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1.9 spring-cloud-gateway-server 4.2.0

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```
*/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/RedisRouteDefinitionRepository.java
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```
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/support/Visitor.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/MvcFoundOnClasspathFailureAnalyzer.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/MvcFoundOnClasspathException.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/LoadBalancerServiceInstanceCookieFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/TransferEncodingNormalizationHeadersFilter.java
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```
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RewriteRequestParameterGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/ConfigurableHintsRegistrationProcessor.java
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Found in path(s):

* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/event/RouteDeletedEvent.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/filter/factory/AddRequestParameterGatewayFilterFactory.java
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/**
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* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/AddRequestHeadersIfNotPresentGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/ResponseCacheSizeWeigher.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/PrefixPathGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/GatewayPropagatingSenderTracingObservationH
andler.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/config/KeyValueConfig.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/HttpClientFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/ResponseCacheManager.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/CachedResponse.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/ResponseCacheGatewayFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/ObservedResponseHttpHeadersFilter.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/config/KeyValueConverter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/CachedResponseMetadata.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/config/KeyValue.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/KeyValueConverter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/postprocessor/AfterCacheExchangeMutator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/ObservationClosingWebExceptionHandler.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/LocalResponseCacheProperties.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/GatewayObservationConvention.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/postprocessor/SetResponseHeadersAfterCacheExchang

```

```
eMutator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/keygenerator/CacheKeyGenerator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/GatewayContext.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayAutoConfiguration.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/keygenerator/UriKeyValueGenerator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/DefaultGatewayObservationConvention.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/ObservedRequestHttpHeadersFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/observation/GatewayDocumentedObservation.java
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org.springframework.cloud.gateway.config.MaxDataSizeValidator

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*/

```

Found in path(s):

```

* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/TokenRelayGatewayFilterFactory.java
No license file was found, but licenses were detected in source scan.

```

<name>Apache License, Version 2.0</name>

Found in path(s):

```

* /spring-cloud-gateway-server-4-2-0-sources-1-jar/META-INF/maven/org.springframework.cloud/spring-cloud-
gateway-server/pom.xml
No license file was found, but licenses were detected in source scan.

```

```

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*/

```

Found in path(s):

```

* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/event/FilterArgsEvent.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/RoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/cors/CorsGatewayFilterApplicationListener.java
*
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/filter/FilterDefinition.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/postprocessor/SetStatusCodeAfterCacheExchangeMutat
or.java
* /spring-cloud-gateway-server-4-2-0-sources-1-

```

```

jar/org/springframework/cloud/gateway/event/EnableBodyCachingEvent.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/GlobalLocalResponseCacheGatewayFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/actuate/GatewayEndpointInfo.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/rewrite/ModifyRequestBodyGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/RouteMetadataUtils.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/HttpClientCustomizer.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/HeaderRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/ServerWebExchangeUtils.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/AbstractStatefulConfigurable.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/AbstractConfigurable.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/postprocessor/RemoveHeadersAfterCacheExchangeMutator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ratelimit/RedisRateLimiter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SpringCloudCircuitBreakerFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/tagsprovider/PropertiesTagsProvider.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/route/Route.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/GatewayToStringStyler.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/rewrite/MessageBodyEncoder.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/CloudFoundryRouteServiceRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/QueryRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/support/WeightConfig.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayProperties.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/AbstractSslConfigurer.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/AfterRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-

```

```

jar/org/springframework/cloud/gateway/route/RouteRefreshListener.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/postprocessor/SetCacheDirectivesByMaxAgeAfterCacheExchangeMutator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/ipresolver/XForwardedRemoteAddressResolver.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/HostRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RequestHeaderSizeGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/tagsprovider/GatewayRouteTagsProvider.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SecureHeadersProperties.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GrpcSslConfigurer.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/WebsocketRoutingFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/MethodRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/RemoteAddrRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RequestSizeGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayReactiveLoadBalancerClientAutoConfiguration.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SecureHeadersGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/RouteDefinitionMetrics.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ratelimit/KeyResolver.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RetryGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/StatefulConfigurable.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/TimeoutException.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/MapRequestHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RequestHeaderToRequestUriGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/HttpHeadersFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/support/HasRouteId.java

```

```

* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/NotFoundException.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/tagsprovider/GatewayPathTagsProvider.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RewriteResponseHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ratelimit/AbstractRateLimiter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SetPathGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/RouteDefinitionWriter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ratelimit/PrincipalNameKeyResolver.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/builder/PredicateSpec.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/RemoveCachedBodyFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/RouteToRequestUrlFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/builder/Buildable.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/WeightRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RewritePathGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/StripPrefixGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/AbstractNameValueGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/AddRequestHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/CacheRequestBodyGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/GatewayFilterChain.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/ServiceUnavailableException.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/SimpleUrlHandlerMappingGlobalCorsAutoConfiguration.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/route/RouteDefinition.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/WeightCalculatorWebFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RequestRateLimiterGatewayFilterFactory.java

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* /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/config/GatewayClassPathWarningAutoConfiguration.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/handler/predicate/CookieRoutePredicateFactory.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/config/LocalResponseCacheAutoConfiguration.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/route/RouteLocator.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/support/ipresolver/RemoteAddressResolver.java
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 /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/config/GatewayLoadBalancerProperties.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/filter/factory/SetResponseHeaderGatewayFilterFactory.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/event/PredicateArgsEvent.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
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 * /spring-cloud-gateway-server-4-2-0-sources-1-
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 * /spring-cloud-gateway-server-4-2-0-sources-1-
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 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/filter/factory/AbstractGatewayFilterFactory.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/discovery/DiscoveryLocatorProperties.java
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 /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/filter/factory/rewrite/GzipMessageBodyResolver.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/filter/factory/RemoveJsonAttributesResponseBodyGatewayFilterFactory.java
 va
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/actuate/GatewayControllerEndpoint.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/support/tagsprovider/GatewayHttpTagsProvider.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/filter/factory/SpringCloudCircuitBreakerResilience4JFilterFactory.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/support/BodyInserterContext.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/filter/factory/cache/keygenerator/CookiesKeyValueGenerator.java
 *
 /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/handler/FilteringWebHandler.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-
 jar/org/springframework/cloud/gateway/config/GatewayMetricsAutoConfiguration.java
 * /spring-cloud-gateway-server-4-2-0-sources-1-

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jar/org/springframework/cloud/gateway/handler/AsyncPredicate.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/discovery/GatewayDiscoveryClientAutoConfiguration.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/NettyWriteResponseFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/GatewayMetricsFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SaveSessionGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/keygenerator/KeyValueGenerator.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/CachingRouteDefinitionLocator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/InMemoryRouteDefinitionRepository.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ForwardRoutingFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/ShortcutConfigurable.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/LocalResponseCacheUtils.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RemoveResponseHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/tagsprovider/GatewayTagsProvider.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/event/RefreshRoutesResultEvent.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/CachingRouteLocator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SetRequestHostHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/builder/GatewayFilterSpec.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/WebClientHttpRoutingFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/AdaptCachedBodyGlobalFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/LocalResponseCacheGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayNoLoadBalancerClientAutoConfiguration.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/ConfigurationService.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SetRequestHeaderGatewayFilterFactory.java

```

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* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/HttpClientSslConfigurer.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/builder/BooleanSpec.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/ResponseCacheManagerFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/route/builder/UriSpec.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/ForwardedHeadersFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/AbstractChangeRequestUriGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/PathRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/GRPCResponseHeadersFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ForwardPathFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
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* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/rewrite/RewriteFunction.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/AbstractRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/builder/RouteLocatorBuilder.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/CompositeRouteDefinitionLocator.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/RouteDefinitionRepository.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/DedupeResponseHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/RoutePredicateHandlerMapping.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/RouteDefinitionLocator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/support/Configurable.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/PreserveHostHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/HttpClientProperties.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/StringToZonedDateTimeConverter.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/filter/GatewayFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/actuate/GatewayLegacyControllerEndpoint.java

```

```

* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/XForwardedRemoteAddrRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/JsonToGrpcGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RemoveRequestParameterGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/keygenerator/HeaderKeyValueGenerator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/GRPCRequestHeadersFilter.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ReactiveLoadBalancerClientFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/PredicateDefinition.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/AddResponseHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/filter/GlobalFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/NettyRoutingFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/WebClientWriteResponseFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GlobalCorsProperties.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/MaxDataSizeValidator.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayResilience4JCircuitBreakerAutoConfiguration.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/PropertiesRouteDefinitionLocator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/support/NameUtils.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/cache/postprocessor/SetMaxAgeHeaderAfterCacheExchange
Mutator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/event/WeightDefinedEvent.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/event/RefreshRoutesEvent.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/XForwardedHeadersFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/actuate/AbstractGatewayControllerEndpoint.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/GatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/BetweenRoutePredicateFactory.java

```



```

* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/CompositeRouteLocator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/route/RouteDefinitionRouteLocator.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/DelegatingServiceInstance.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/support/HttpStatusHolder.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RedirectToGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/SetStatusGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/RemoveRequestHeaderGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/GatewayPredicate.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayMetricsProperties.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/rewrite/CachedBodyOutputMessage.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/headers/RemoveHopByHopHeadersFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/GatewayRedisAutoConfiguration.java
* /spring-cloud-gateway-server-4-2-0-sources-1-jar/org/springframework/cloud/gateway/support/HasConfig.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/rewrite/ModifyResponseBodyGatewayFilterFactory.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/FallbackHeadersGatewayFilterFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/factory/rewrite/MessageBodyDecoder.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/handler/predicate/BeforeRoutePredicateFactory.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/filter/ratelimit/RateLimiter.java
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- */

Found in path(s):

```
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/ConditionalOnEnabledFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/ConditionalOnEnabledPredicate.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/OnEnabledPredicate.java
*
/spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/OnEnabledFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/OnEnabledComponent.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/OnEnabledGlobalFilter.java
* /spring-cloud-gateway-server-4-2-0-sources-1-
jar/org/springframework/cloud/gateway/config/conditional/ConditionalOnEnabledGlobalFilter.java
```

1.10 spring-cloud-function-context 4.2.0

1.10.1 Available under license :

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1.11 jackson-module-parameter-names 2.18.2

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1.12 hibernate-validator 8.0.2.Final

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1.13 xml-commons-resolver 1.2

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1.16 spring-aop 6.2.3

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1.17 reactor-netty-core 1.2.3

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1.18 cxf-rt-bindings-soap 4.1.2

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1.19 txw2 4.0.5

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maven-plugin-annotations (3.5)

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* Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/>

* Source:

<https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations>

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* Source:

<https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file>

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maven-settings

(3.5.2)

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* Project: <https://codehaus-plexus.github.io/plexus-archiver/>

* Source: <https://github.com/codehaus-plexus/plexus-archiver>

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testng (6.14.2)

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* Project: <https://testng.org/doc/index.html>

* Source: <https://github.com/cbeust/testng>

wagon-http-lightweight (3.0.0)

* License: Pending

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Project: <https://maven.apache.org/wagon/>

* Source:

<https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>

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1.20 spring-cloud-starter-gateway 4.2.0

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Found in path(s):

* /spring-cloud-starter-gateway-3-1-3-2-jar/META-INF/maven/org.springframework.cloud/spring-cloud-starter-gateway/pom.xml

1.21 hdrhistogram 2.2.2

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1.22 resilience4j-spring-boot3 2.2.0

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```
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/CircuitBreakerProperties.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/CircuitBreakerMetricsAutoConfiguration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/endpoint/CircuitBreakerEventsEndpoint.java
*
/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/endpoint/CircuitBreakerEndpoint.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/health/CircuitBreakersHealthIndicator.java
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* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/endpoint/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/retry/autoconfigure/package-
info.java
* /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/ratelimiter/autoconfigure/package-
info.java
*
  /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/health/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/nativeimage/configuration/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/ratelimiter/monitoring/endpoint/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/ratelimiter/monitoring/health/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/package-
info.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/monitoring/endpoint/package-info.java
* /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/package-
info.java

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jar/io/github/resilience4j/springboot3/micrometer/autoconfigure/TimerProperties.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/micrometer/autoconfigure/TimerAutoConfiguration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/micrometer/monitoring/endpoint/TimerEventsEndpoint.java
*
/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/micrometer/autoconfigure/TimerConfigurationOnMissingBean.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/micrometer/monitoring/endpoint/TimerEndpoint.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/micrometer/autoconfigure/AbstractTimerConfigurationOnMissingBean.java

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jar/io/github/resilience4j/springboot3/ratelimiter/monitoring/endpoint/RateLimiterEventsEndpoint.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/ratelimiter/monitoring/endpoint/RateLimiterEndpoint.java
*
```

/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/ratelimiter/autoconfigure/RateLimiterProperties.java
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jar/io/github/resilience4j/springboot3/ratelimiter/monitoring/health/RateLimitersHealthIndicator.java
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Found in path(s):

* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/fallback/autoconfigure/FallbackConfigurationOnMissingBean.java
No license file was found, but licenses were detected in source scan.

```
/*
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 */
```

Found in path(s):

* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/CircuitBreakerStreamEventsAutoConfiguration.j
ava
* /resilience4j-spring-boot3-2-2-0-sources-


```
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/endpoint/CircuitBreakerHystrixServerSideEvent.jav
a
*
/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/monitoring/endpoint/CircuitBreakerServerSideEvent.java
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```

```
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 */
```

Found in path(s):

```
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/BulkheadMetricsAutoConfiguration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/BulkheadAutoConfiguration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/monitoring/endpoint/BulkheadEventsEndpoint.java
*
/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/BulkheadProperties.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/monitoring/endpoint/BulkheadEndpoint.java
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```

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*/

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jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/CircuitBreakerAutoConfiguration.java
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```
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 */
```

Found in path(s):

* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/scheduled/threadpool/autoconfigure/ContextAwareScheduledThreadPoolAuto
Configuration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/scheduled/threadpool/autoconfigure/ContextAwareScheduledThreadPoolProp
erties.java
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```
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- * limitations under the License.
- */

Found in path(s):

- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/spelresolver/autoconfigure/SpelResolverConfigurationOnMissingBean.java

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```
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 */
```

Found in path(s):

- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/retry/monitoring/endpoint/RetryEventsEndpoint.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/ratelimiter/autoconfigure/AbstractRateLimiterConfigurationOnMissingBean.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/ratelimiter/autoconfigure/RateLimiterConfigurationOnMissingBean.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/AbstractBulkheadConfigurationOnMissingBean.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/retry/autoconfigure/RetryConfigurationOnMissingBean.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/BulkheadConfigurationOnMissingBean.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/CircuitBreakerConfigurationOnMissingBean.java
- * /resilience4j-spring-boot3-2-2-0-sources-jar/io/github/resilience4j/springboot3/retry/autoconfigure/RetryMetricsAutoConfiguration.java
- * /resilience4j-spring-boot3-2-2-0-sources-

```

jar/io/github/resilience4j/springboot3/retry/autoconfigure/AbstractRetryConfigurationOnMissingBean.java
*
/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/retry/autoconfigure/RetryProperties.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/retry/monitoring/endpoint/RetryEndpoint.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/bulkhead/autoconfigure/ThreadPoolBulkheadProperties.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/circuitbreaker/autoconfigure/AbstractCircuitBreakerConfigurationOnMissing
Bean.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/retry/autoconfigure/RetryAutoConfiguration.java
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```

```

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```

Found in path(s):

```

* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/autoconfigure/TimeLimiterAutoConfiguration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/autoconfigure/AbstractTimeLimiterConfigurationOnMissingBean.
java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/autoconfigure/TimeLimiterConfigurationOnMissingBean.java
*
/resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/autoconfigure/TimeLimiterProperties.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/monitoring/endpoint/TimeLimiterEventsEndpoint.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/autoconfigure/TimeLimiterMetricsAutoConfiguration.java
* /resilience4j-spring-boot3-2-2-0-sources-
jar/io/github/resilience4j/springboot3/timelimiter/monitoring/endpoint/TimeLimiterEndpoint.java

```

1.23 spring-ldap 3.2.11

1.23.1 Available under license :

```
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=====
```

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1.24 libssl3 3.3.5-r0

1.24.1 Available under license :

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
```

```

pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname=$pkgver-r$pkgrel"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt; do
        local
        license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
"

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"

```

```

arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
    # some GNU autoconf options are ignored, but it works
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        --sysconfdir=/etc \
        --mandir=/usr/share/man \
        --localstatedir=/var/lib # it really shouldn't be in /var
    make
}

package() {
    make DESTDIR="$pkgdir" install
    install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
    bsd-games-3.3.tar.gz
"

# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"

build() {

```

```

gpep517 build-wheel \
--wheel-dir .dist \
--output-fd 3 3>&1 >&2
}

check() {
python3 -m venv --clear --without-pip --system-site-packages .testenv
.testenv/bin/python3 -m installer .dist/*.whl
.testenv/bin/python3 -m pytest
}

package() {
python3 -m installer -d "$pkgdir" \
.dist/*.whl
}

sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
license-expression-30.3.0.tar.gz
"

# Automatically generated by apkgbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkgbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/${_pkgreal}-${pkgver}"

build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
INSTALLDIRS=vendor \
NO_PACKLIST=1 \
NO_PERLLOCAL=1
make
}

```

```
check() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make test
}
```

```
package() {
  make DESTDIR="$pkgdir" install
}
```

```
sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
```

```
  BSD-Resource-1.2911.tar.gz
```

```
"
```

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vintagedreamworks@hotmail.com

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<http://members.nbci.com/silicon39/>

<http://www.mp3.com/silicon39>

<https://analoguesque.x10host.com/>

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mini_sendmail - accept email on behalf of real sendmail

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Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

subpackages="\$pkgname-dev"

source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-\$pkgver.tar.bz2"

"

```
builddir="$srcdir"/libart_lgpl-$pkgver
```

```
prepare() {  
    update_config_sub  
    default_prepare  
}
```

```
build() {  
    ./configure \  
    --build=$CBUILD \  
    --host=$CHOST \  
    --prefix=/usr  
    make  
}
```

```
package() {  
    make DESTDIR="$pkgdir" install  
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7  
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
```

```
# Contributor: Patrycja Rosa <alpine@ptrcnll.me>
```

```
# Maintainer: Patrycja Rosa <alpine@ptrcnll.me>
```

```
pkgname=bsd-compat-headers
```

```
pkgver=0.7.2
```

```
pkgrel=6
```

```
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
```

```
url="https://gitlab.alpinelinux.org/alpine/aports"
```

```
arch="noarch"
```

```
license="BSD-2-Clause AND BSD-3-Clause"
```

```
source="
```

```
    cdefs.h
```

```
    queue.h
```

```
    tree.h
```

```
"
```

```
builddir="$srcdir"
```

```
options="!check" # just headers
```

```
package() {  
    mkdir -p "$pkgdir"  
    install -Dm644 -t "$pkgdir"/usr/include/sys \  
    cdefs.h queue.h tree.h  
}
```

```
sha512sums="
```

```
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
```

```
7006442c3f019b6447a620c0cae73178 cdefs.h
```

```
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
```

```
11ea33987d4faba37dde5ce6da0750 queue.h
```

d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h

"

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

/* \$NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp \$ */

/*

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*

* @(#)queue.h 8.5 (Berkeley) 8/20/94

*/

```
#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_
```

```
/*
 * This file defines five types of data structures: singly-linked lists,
 * lists, simple queues, tail queues, and circular queues.
 *
 * A singly-linked list is headed by a single forward pointer. The
 * elements are singly linked for minimum space and
 * pointer manipulation
 * overhead at the expense of O(n) removal for arbitrary elements. New
 * elements can be added to the list after an existing element or at the
 * head of the list. Elements being removed from the head of the list
 * should use the explicit macro for this purpose for optimum
 * efficiency. A singly-linked list may only be traversed in the forward
 * direction. Singly-linked lists are ideal for applications with large
 * datasets and few or no removals or for implementing a LIFO queue.
 *
 * A list is headed by a single forward pointer (or an array of forward
 * pointers for a hash table header). The elements are doubly linked
 * so that an arbitrary element can be removed without a need to
 * traverse the list. New elements can be added to the list before
 * or after an existing element or at the head of the list. A list
 * may only be traversed in the forward direction.
 *
 * A simple queue is headed by a pair of pointers, one the head of the
 * list and the
 * other to the tail of the list. The elements are singly
 * linked to save space, so elements can only be removed from the
 * head of the list. New elements can be added to the list after
```

- * an existing element, at the head of the list, or at the end of the
- * list. A simple queue may only be traversed in the forward direction.
- *
- * A tail queue is headed by a pair of pointers, one to the head of the
- * list and the other to the tail of the list. The elements are doubly
- * linked so that an arbitrary element can be removed without a need to
- * traverse the list. New elements can be added to the list before or
- * after an existing element, at the head of the list, or at the end of
- * the list. A tail queue may be traversed in either direction.
- *
- * A circle queue is headed by a pair of pointers, one to the head of the
- * list and the other to the tail of the list. The elements are doubly
- * linked so that an arbitrary element can be removed without a need to
- * traverse the list. New elements
- can be added to the list before or after
- * an existing element, at the head of the list, or at the end of the list.
- * A circle queue may be traversed in either direction, but has a more
- * complex end of list detection.
- *
- * For details on the use of these macros, see the queue(3) manual page.
- */

```
/*
 * Include the definition of NULL only on NetBSD because sys/null.h
 * is not available elsewhere. This conditional makes the header
 * portable and it can simply be dropped verbatim into any system.
 * The caveat is that on other systems some other header
 * must provide NULL before the macros can be used.
 */
```

```
#ifdef __NetBSD__
#include <sys/null.h>
#endif
```

```
#if defined(QUEUEDEBUG)
# if defined(_KERNEL)
# define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
# include <err.h>
# define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif
```

```
/*
 * Singly-linked List definitions.
 */
#define SLIST_HEAD(name, type) \
struct name { \
    struct type *slh_first; /* first
```

```

element */ \
}

#define SLIST_HEAD_INITIALIZER(head) \
{ NULL }

#define SLIST_ENTRY(type) \
struct { \
    struct type *sle_next; /* next element */ \
}

/*
 * Singly-linked List access methods.
 */
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head) NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field) \
for((var) = (head)->slh_first; \
    (var) != SLIST_END(head); \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = SLIST_FIRST((head)); \
    (var) != SLIST_END(head) && \
    ((tvar) = SLIST_NEXT((var), field), 1); \
    (var) = (tvar))

/*
 * Singly-linked List functions.
 */
#define SLIST_INIT(head) do { \
    (head)->slh_first = SLIST_END(head); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do { \
    (elm)->field.sle_next = (slistelm)->field.sle_next; \
    (slistelm)->field.sle_next \
    = (elm); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do { \
    (elm)->field.sle_next = (head)->slh_first; \
    (head)->slh_first = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define SLIST_REMOVE_AFTER(slistelm, field) do { \
    (slistelm)->field.sle_next = \
        SLIST_NEXT(SLIST_NEXT((slistelm), field), field); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do { \
    (head)->slh_first = (head)->slh_first->field.sle_next; \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do { \
    if ((head)->slh_first == (elm)) { \
        SLIST_REMOVE_HEAD((head), field); \
    } \
    else { \
        struct type *curelm = (head)->slh_first; \
        while(curelm->field.sle_next != (elm)) \
            curelm = curelm->field.sle_next; \
        curelm->field.sle_next = \
            curelm->field.sle_next->field.sle_next; \
    } \
} while (/*CONSTCOND*/0)

/*
 * List definitions.
 */
#define LIST_HEAD(name, type) \
struct name { \
    struct type *lh_first; /* first element */ \
}

#define LIST_HEAD_INITIALIZER(head) \
{ NULL }

#define LIST_ENTRY(type) \
struct { \
    struct type *le_next; /* next element */ \
    struct type **le_prev; /* address of previous next element */ \
}

/*
 * List access methods.
 */
#define LIST_FIRST(head) ((head)->lh_first)
#define LIST_END(head) NULL
#define LIST_EMPTY(head) ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field) ((elm)->field.le_next)

```

```

#define LIST_FOREACH(var, head, field) \
for ((var) = ((head)->lh_first); \
     (var) != LIST_END(head); \
     (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = LIST_FIRST((head)); \
     (var) != LIST_END(head) && \
     ((tvar) = LIST_NEXT((var), field), 1); \
     (var) = (tvar))

#define LIST_MOVE(head1, head2) do { \
LIST_INIT((head2)); \
if (!LIST_EMPTY((head1))) \
{ \
(head2)->lh_first = (head1)->lh_first; \
LIST_INIT((head1)); \
} \
} while (/*CONSTCOND*/0)

/*
 * List functions.
 */

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field) \
if ((head)->lh_first && \
     (head)->lh_first->field.le_prev != &(head)->lh_first) \
QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
    __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field) \
if ((elm)->field.le_next && \
     (elm)->field.le_next->field.le_prev != \
     &(elm)->field.le_next) \
QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm), \
    __FILE__, __LINE__); \
if (*(elm)->field.le_prev != (elm)) \
QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm), \
    __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field) \
(elm)->field.le_next = (void *)1L; \
(elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm, field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

```

```

#define LIST_INIT(head) do { \
    (head)->lh_first = LIST_END(head); \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do { \
    QUEUEDEBDEBUG_LIST_OP((listelm), field) \
    if (((elm)->field.le_next = (listelm)->field.le_next) != \
        LIST_END(head)) \
        (listelm)->field.le_next->field.le_prev = \
            &(elm)->field.le_next; \
    (listelm)->field.le_next = (elm); \
    (elm)->field.le_prev = &(listelm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBDEBUG_LIST_OP((listelm), field) \
    (elm)->field.le_prev = (listelm)->field.le_prev; \
    (elm)->field.le_next = (listelm); \
    *(listelm)->field.le_prev = (elm); \
    (listelm)->field.le_prev = &(elm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBDEBUG_LIST_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.le_next \
        = (head)->lh_first) != LIST_END(head)) \
        (head)->lh_first->field.le_prev = &(elm)->field.le_next; \
    (head)->lh_first = (elm); \
    (elm)->field.le_prev = &(head)->lh_first; \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do { \
    QUEUEDEBDEBUG_LIST_OP((elm), field) \
    if ((elm)->field.le_next != NULL) \
        (elm)->field.le_next->field.le_prev = \
            (elm)->field.le_prev; \
    *(elm)->field.le_prev = (elm)->field.le_next; \
    QUEUEDEBDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do { \
    if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
        (elm2)->field.le_next->field.le_prev = \
            &(elm2)->field.le_next; \
    (elm2)->field.le_prev = (elm)->field.le_prev; \
    *(elm2)->field.le_prev = (elm2); \
    QUEUEDEBDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

```

```

/*
 * Simple queue definitions.
 */
#define SIMPLEQ_HEAD(name, type)  \
struct name {                      \
    struct                          \
    type *sqh_first; /* first element */ \
    struct type **sqh_last; /* addr of last next element */ \
}

#define SIMPLEQ_HEAD_INITIALIZER(head)  \
{ NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type)  \
struct {                      \
    struct type *sqe_next; /* next element */ \
}

/*
 * Simple queue access methods.
 */
#define SIMPLEQ_FIRST(head) ((head)->sqh_first)
#define SIMPLEQ_END(head) NULL
#define SIMPLEQ_EMPTY(head) ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head);  \
     (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head) &&  \
     ((next = ((var)->field.sqe_next)), 1);  \
     (var) = (next))

/*
 * Simple queue functions.
 */
#define SIMPLEQ_INIT(head) do {  \
    (head)->sqh_first = NULL;  \
    (head)->sqh_last  \
    = &(head)->sqh_first;  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {  \

```

```

if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
    (head)->sqh_last = &(elm)->field.sqe_next; \
    (head)->sqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.sqe_next = NULL; \
    *(head)->sqh_last = (elm); \
    (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
        (listelm)->field.sqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do { \
    if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
        (head)->sqh_last = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do { \
    if \
        (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
         == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do { \
    if ((head)->sqh_first == (elm)) { \
        SIMPLEQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->sqh_first; \
        while (curelm->field.sqe_next != (elm)) \
            curelm = curelm->field.sqe_next; \
        if ((curelm->field.sqe_next = \
            curelm->field.sqe_next->field.sqe_next) == NULL) \
            (head)->sqh_last = &(curelm)->field.sqe_next; \
    } \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do { \
    if (!SIMPLEQ_EMPTY((head2))) { \
        *(head1)->sqh_last = (head2)->sqh_first; \
        (head1)->sqh_last = (head2)->sqh_last; \
        SIMPLEQ_INIT((head2)); \
    } \
}

```



```

} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field) \
(SIMPLEQ_EMPTY((head)) ? \
NULL : \
((struct type \
*)(void *) \
((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
 * Tail queue definitions.
 */
#define _TAILQ_HEAD(name, type, qual) \
struct name { \
    qual type *tqh_first; /* first element */ \
    qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head) \
{ TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual) \
struct { \
    qual type *tqe_next; /* next element */ \
    qual type *qual *tqe_prev; /* address of previous next element */ \
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
 * Tail queue access methods.
 */
#define TAILQ_FIRST(head) ((head)->tqh_first)
#define TAILQ_END(head) (NULL)
#define TAILQ_NEXT(elm, field) ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
    (((struct headname *) (void *)((head)->tqh_last))->tqh_last)
#define TAILQ_PREV(elm, headname, field) \
    (((struct headname \
    *) (void *)((elm)->field.tqe_prev))->tqh_last)
#define TAILQ_EMPTY(head) (TAILQ_FIRST(head) == TAILQ_END(head))

#define TAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head); \
    (var) = ((var)->field.tqe_next))

```

```

#define TAILQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->tqh_first); \
     (var) != TAILQ_END(head) && \
     ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field) \
for ((var) = TAILQ_LAST((head), headname); \
     (var) != TAILQ_END(head); \
     (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
for ((var) = TAILQ_LAST((head), headname); \
     (var) != TAILQ_END(head) && \
     ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
 * Tail queue functions.
 */
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, \
elm, field) \
if ((head)->tqh_first && \
     (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
    QUEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field) \
if (*(head)->tqh_last != NULL) \
    QUEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_OP(elm, field) \
if ((elm)->field.tqe_next && \
     (elm)->field.tqe_next->field.tqe_prev != \
     &(elm)->field.tqe_next) \
    QUEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.tqe_prev != (elm)) \
    QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field) \
if ((elm)->field.tqe_next == NULL && \
     (head)->tqh_last != &(elm)->field.tqe_next) \
    QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d", \
        (head), (elm), __FILE__, \
        __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field) \
(elm)->field.tqe_next = (void *)1L; \
(elm)->field.tqe_prev = (void *)1L;
#else

```

```

#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do { \
    (head)->tqh_first = TAILQ_END(head); \
    (head)->tqh_last = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head)) \
        (head)->tqh_first->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
    (head)->tqh_first = (elm); \
    (elm)->field.tqe_prev = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head, \
    elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field) \
    (elm)->field.tqe_next = TAILQ_END(head); \
    (elm)->field.tqe_prev = (head)->tqh_last; \
    *(head)->tqh_last = (elm); \
    (head)->tqh_last = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    if (((elm)->field.tqe_next = (listelm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
    (listelm)->field.tqe_next = (elm); \
    (elm)->field.tqe_prev = &(listelm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    (elm)->field.tqe_prev = (listelm)->field.tqe_prev; \
    (elm)->field.tqe_next = (listelm); \
} while (/*CONSTCOND*/0)

```

```

*(listelm)->field.tqe_prev = (elm); \
(listelm)->field.tqe_prev
= &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do { \
    QUEUEDEBUG_TAILQ_PREREMOVE((head), (elm), field) \
    QUEUEDEBUG_TAILQ_OP((elm), field) \
    if (((elm)->field.tqe_next != TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            (elm)->field.tqe_prev; \
    else \
        (head)->tqh_last = (elm)->field.tqe_prev; \
        *(elm)->field.tqe_prev = (elm)->field.tqe_next; \
        QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field); \
    } while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do { \
    if (((elm2)->field.tqe_next = (elm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm2)->field.tqe_next->field.tqe_prev = \
            &(elm2)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm2)->field.tqe_next; \
        (elm2)->field.tqe_prev = (elm)->field.tqe_prev; \
        *(elm2)->field.tqe_prev = (elm2); \
        QUEUEDEBUG_TAILQ_POSTREMOVE((elm), \
            field); \
    } while (/*CONSTCOND*/0)

#define TAILQ_CONCAT(head1, head2, field) do { \
    if (!TAILQ_EMPTY(head2)) { \
        *(head1)->tqh_last = (head2)->tqh_first; \
        (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
        (head1)->tqh_last = (head2)->tqh_last; \
        TAILQ_INIT((head2)); \
    } \
    } while (/*CONSTCOND*/0)

/*
 * Singly-linked Tail queue declarations.
 */
#define STAILQ_HEAD(name, type) \
struct name { \
    struct type *stqh_first; /* first element */ \
    struct type **stqh_last; /* addr of last next element */ \
}

```

```

#define STAILQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).stqh_first }

#define STAILQ_ENTRY(type) \
struct { \
    struct type *stqe_next; /* next element */ \
}

/*
 * Singly-linked Tail queue access methods.
 */
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head) \
== STAILQ_END(head))

/*
 * Singly-linked Tail queue functions.
 */
#define STAILQ_INIT(head) do { \
    (head)->stqh_first = NULL; \
    (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (head)->stqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.stqe_next = NULL; \
    *(head)->stqh_last = (elm); \
    (head)->stqh_last = &(elm)->field.stqe_next; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (listelm)->field.stqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do { \
    if (((head)->stqh_first = (head)->stqh_first->field.stqe_next) \
== NULL) \
        (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

```

```

#define STAILQ_REMOVE(head, elm, type, field) do { \
    if ((head)->stqh_first == (elm)) { \
        STAILQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->stqh_first; \
        while (curelm->field.stqe_next != (elm)) \
            curelm = curelm->field.stqe_next; \
        if ((curelm->field.stqe_next = \
            curelm->field.stqe_next->field.stqe_next) == NULL) \
            (head)->stqh_last = &(curelm)->field.stqe_next; \
    } \
} while (/*CONSTCOND*/0)

#define STAILQ_FOREACH(var, head, field) \
    for ((var) = ((head)->stqh_first); \
        (var); \
        (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar) \
    for ((var) = STAILQ_FIRST((head)); \
        (var) && ((tvar) = STAILQ_NEXT((var), field), 1); \
        (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do { \
    if (!STAILQ_EMPTY((head2))) { \
        *(head1)->stqh_last \
        = (head2)->stqh_first; \
        (head1)->stqh_last = (head2)->stqh_last; \
        STAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field) \
    (STAILQ_EMPTY((head)) ? \
    NULL : \
    ((struct type *) (void *) \
    ((char *) ((head)->stqh_last) - offsetof(struct type, field))))

#ifdef _KERNEL
/*
 * Circular queue definitions. Do not use. We still keep the macros
 * for compatibility but because of pointer aliasing issues their use
 * is discouraged!
 */
/*

```

```

* __launder_type(): We use this ugly hack to work around the the compiler
* noticing that two types may not alias each other and elide tests in code.
* We hit this in the CIRCLEQ macros when comparing 'struct name *' and
* 'struct type *' (see CIRCLEQ_HEAD()). Modern compilers (such as GCC
* 4.8) declare these comparisons as always false, causing the code to
* not run as designed.
*
* This hack is only to be used for comparisons and thus can be fully const.
* Do not use for assignment.
*
* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
* this by changing the head/tail sentinal values, but see the note above
* this one.
*/
static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
    __asm __volatile("" : "+r" (__x));
    return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field) \
    if ((head)->cqh_first != CIRCLEQ_ENDC(head) && \
        (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
            __FILE__, __LINE__); \
    if ((head)->cqh_last != CIRCLEQ_ENDC(head) && \
        (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
            __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_last != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ \
elm last %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_first != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \

```

```

if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
    QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
        (elm), __FILE__, __LINE__); \
}
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field) \
    (elm)->field.cqe_next = (void *)1L; \
    (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type) \
    struct name { \
        struct type *cqh_first; /* \
        first element */ \
        struct type *cqh_last; /* last element */ \
    }

#define CIRCLEQ_HEAD_INITIALIZER(head) \
    { CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type) \
    struct { \
        struct type *cqe_next; /* next element */ \
        struct type *cqe_prev; /* previous element */ \
    }

/*
 * Circular queue functions.
 */
#define CIRCLEQ_INIT(head) do { \
    (head)->cqh_first = CIRCLEQ_END(head); \
    (head)->cqh_last = CIRCLEQ_END(head); \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm)->field.cqe_next; \
    (elm)->field.cqe_prev = (listelm); \
    if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (listelm)->field.cqe_next->field.cqe_prev = (elm); \
    (listelm)->field.cqe_next = (elm); \
} while (/*CONSTCOND*/0)

```



```
#define CIRCLEQ_INSERT_BEFORE(head,
listelm, elm, field) do { \
    QUEUEDEBBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm); \
    (elm)->field.cqe_prev = (listelm)->field.cqe_prev; \
    if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (listelm)->field.cqe_prev->field.cqe_next = (elm); \
    (listelm)->field.cqe_prev = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define CIRCLEQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next = (head)->cqh_first; \
    (elm)->field.cqe_prev = CIRCLEQ_END(head); \
    if ((head)->cqh_last == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (head)->cqh_first->field.cqe_prev = (elm); \
    (head)->cqh_first = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define CIRCLEQ_INSERT_TAIL(head, elm, field) do { \
    QUEUEDEBBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next \
    = CIRCLEQ_END(head); \
    (elm)->field.cqe_prev = (head)->cqh_last; \
    if ((head)->cqh_first == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (head)->cqh_last->field.cqe_next = (elm); \
    (head)->cqh_last = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define CIRCLEQ_REMOVE(head, elm, field) do { \
    QUEUEDEBBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBBUG_CIRCLEQ_ELM((head), (elm), field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm)->field.cqe_prev; \
    else \
        (elm)->field.cqe_next->field.cqe_prev = \
            (elm)->field.cqe_prev; \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm)->field.cqe_next; \
    else \

```

```

(elm)->field.cqe_prev->field.cqe_next = \
    (elm)->field.cqe_next; \
QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_FOREACH(var, head, field) \
for ((var) = ((head)->cqh_first); \
    (var) != CIRCLEQ_ENDC(head); \
    (var) \
    = ((var)->field.cqe_next))

#define CIRCLEQ_FOREACH_REVERSE(var, head, field) \
for ((var) = ((head)->cqh_last); \
    (var) != CIRCLEQ_ENDC(head); \
    (var) = ((var)->field.cqe_prev))

/*
 * Circular queue access methods.
 */

#define CIRCLEQ_FIRST(head) ((head)->cqh_first)
#define CIRCLEQ_LAST(head) ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head) (__launter_type(head))
/* For assignments */
#define CIRCLEQ_END(head) ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head) \
    (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field) \
    (((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
    ? ((head)->cqh_first) \
    : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field) \
    (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
    ? ((head)->cqh_last) \
    : \
    (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3

```

```

pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/"${_pkgname}-${pkgver}"

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r${pkgrel}" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

package() {
    gpep517 install-wheel --destdir "$pkgdir" \
        .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
flake8-copyright-0.2.4.tar.gz
"

#ifdef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else

```

```

# define __BEGIN_DECLS
# define __END_DECLS
#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct) fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

build() {
    cargo auditable build --release --frozen
}

check() {
    cargo test --frozen
}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
"

/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */

```

```

/* Modified by Void Linux. */
/*
 * Copyright 2002 Niels Provos <provos@citi.umich.edu>
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
 * IN NO EVENT SHALL THE
 * AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y) \
    ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) || \
     (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
 * This file defines data structures for different types of trees:
 * splay trees and red-black trees.
 */

```

- * A splay tree is a self-organizing data structure. Every operation
- * on the tree causes a splay to happen. The splay moves the requested
- * node to the root of the tree and partly rebalances it.
- *
- * This has the benefit that request locality causes faster lookups as
- * the requested nodes move to the top of the tree. On the other hand,
- * every lookup causes memory writes.
- *
- * The Balance Theorem bounds the total access time for m operations
- * and n inserts on an initially empty tree as $O((m + n)\lg n)$. The
- * amortized cost for a sequence of m accesses to a splay tree is $O(\lg n)$;
- *
- * A red-black tree is a binary search tree with the node color as an
- * extra attribute. It fulfills a set of conditions:
- * - every search path from the root to a leaf consists of the
- * same number of black nodes,
- * - each red node (except for the root) has a black parent,
- * - each leaf node is black.
- *
- * Every operation on a red-black tree is bounded as $O(\lg n)$.
- * The maximum height of a red-black tree is $2\lg(n+1)$.
- */

```
#define SPLAY_HEAD(name, type) \
struct name { \
    struct type *sph_root; /* root of the tree */ \
}
```

```
#define SPLAY_INITIALIZER(root) \
{ NULL }
```

```
#define SPLAY_INIT(root) do { \
    (root)->sph_root = NULL; \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_ENTRY(type) \
struct { \
    struct type *spe_left; /* left element */ \
    struct type *spe_right; /* right element */ \
}
```

```
#define SPLAY_LEFT(elm, field) (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field) (elm)->field.spe_right
#define SPLAY_ROOT(head) (head)->sph_root
#define SPLAY_EMPTY(head) (SPLAY_ROOT(head) == NULL)
```

```
/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
```

```
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do { \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_ROTATE_LEFT(head, tmp, field) do { \
    SPLAY_RIGHT((head)->sph_root, \
    field) = SPLAY_LEFT(tmp, field); \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_LINKLEFT(head, tmp, field) do { \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_LEFT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_LINKRIGHT(head, tmp, field) do { \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_ASSEMBLE(head, node, left, right, field) do { \
    SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
    SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field); \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
    SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)
```

/* Generates prototypes and inline functions */

```
#define
    SPLAY_PROTOTYPE(name, type, field, cmp) \
void name##_SPLAY(struct name *, struct type *); \
void name##_SPLAY_MINMAX(struct name *, int); \
struct type *name##_SPLAY_INSERT(struct name *, struct type *); \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *); \
\
/* Finds the node with the same key as elm */ \
static __inline struct type * \
name##_SPLAY_FIND(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) \
        return(NULL); \
    name##_SPLAY(head, elm); \
}
```

```

if ((cmp)(elm, (head)->sph_root) == 0) \
    return (head->sph_root); \
return (NULL); \
} \
\
static __inline __sys_tree_h_unused struct type * \
name##_SPLAY_NEXT(struct name *head, struct type *elm) \
{ \
    name##_SPLAY(head, elm); \
    if (SPLAY_RIGHT(elm, field) != NULL) { \
        elm = SPLAY_RIGHT(elm, field); \
        while (SPLAY_LEFT(elm, field) != NULL) { \
            elm = SPLAY_LEFT(elm, field); \
        } \
    } \
} \
else \
    elm = NULL; \
return (elm); \
} \
\
static __sys_tree_h_unused __inline struct type * \
name##_SPLAY_MIN_MAX(struct name *head, int val) \
{ \
    name##_SPLAY_MINMAX(head, val); \
    return (SPLAY_ROOT(head)); \
}

/* Main splay operation.
 * Moves node close to the key of elm to top
 */
#define SPLAY_GENERATE(name, type, field, cmp) \
struct type * \
name##_SPLAY_INSERT(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) { \
        SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
    } else { \
        int __comp; \
        name##_SPLAY(head, elm); \
        __comp = (cmp)(elm, (head)->sph_root); \
        if (__comp < 0) { \
            SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field); \
            SPLAY_RIGHT(elm, field) = (head)->sph_root; \
            SPLAY_LEFT((head)->sph_root, field) = NULL; \
        } else if (__comp > 0) { \
            SPLAY_RIGHT(elm, \
field) = SPLAY_RIGHT((head)->sph_root, field); \
            SPLAY_LEFT(elm, field) = (head)->sph_root; \
        } \
    } \
}

```



```

        SPLAY_RIGHT((head)->sph_root, field) = NULL; \
    } else \
        return ((head)->sph_root); \
} \
(head)->sph_root = (elm); \
return (NULL); \
} \
\
struct type * \
name##_SPLAY_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *__tmp; \
    if (SPLAY_EMPTY(head)) \
        return (NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) { \
        if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
            (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
        } else { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
            name##_SPLAY(head, elm); \
            SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
        } \
        return (elm); \
    } \
    return (NULL); \
} \
\
void \
name##_SPLAY(struct \
    name *head, struct type *elm) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    int __comp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if ((cmp)(elm, __tmp) < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field); \
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            }

```

```

    } \
    SPLAY_LINKLEFT(head, __right, field); \
} else if (__comp > 0) { \
    __tmp = SPLAY_RIGHT((head)->sph_root, field); \
    if (__tmp == NULL) \
        break; \
    if ((cmp)(elm, __tmp) > 0){ \
        SPLAY_ROTATE_LEFT(head, __tmp, field); \
        if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
            break; \
    } \
    SPLAY_LINKRIGHT(head, __left, field); \
} \
} \
SPLAY_ASSEMBLE(head,
&__node, __left, __right, field); \
} \
\
/* Splay with either the minimum or the maximum element \
* Used to find minimum or maximum element in tree. \
*/ \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL; \
    __left = __right = &__node; \
    \
    while (1) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if (__comp < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field); \
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKLEFT(head, __right, field); \
        } else if (__comp > 0) { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if (__comp > 0) { \
                SPLAY_ROTATE_LEFT(head, __tmp, field); \
                if (SPLAY_RIGHT((head)->sph_root,
field) == NULL)\
                    break; \
            }

```

```

    } \
    SPLAY_LINKRIGHT(head, __left, field); \
} \
} \
SPLAY_ASSEMBLE(head, &__node, __left, __right, field); \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y) name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y) name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head) \
    for ((x) = SPLAY_MIN(name, head); \
        (x) != NULL; \
        (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type) \
struct name { \
    struct type *rbh_root; /* root of the tree */ \
}

#define RB_INITIALIZER(root) \
{ \
    NULL \
}

#define RB_INIT(root) do { \
    (root)->rbh_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED 1
#define RB_ENTRY(type) \
struct { \
    struct type *rbe_left; /* left element */ \
    struct type *rbe_right; /* right element */ \
    struct type *rbe_parent; /* parent element */ \
    int rbe_color; /* node color */ \
}

```

```

#define RB_LEFT(elm, field) (elm)->field.rbe_left
#define RB_RIGHT(elm, field) (elm)->field.rbe_right
#define RB_PARENT(elm, field) (elm)->field.rbe_parent
#define RB_COLOR(elm, field) (elm)->field.rbe_color
#define RB_ROOT(head) (head)->rbh_root
#define RB_EMPTY(head) (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do { \
    RB_PARENT(elm, field) = parent; \
    RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL; \
    RB_COLOR(elm, field) = RB_RED; \
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do { \
    RB_COLOR(black, field) = RB_BLACK; \
    RB_COLOR(red, field) \
    = RB_RED; \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do { \
    (tmp) = RB_RIGHT(elm, field); \
    if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
        RB_PARENT(RB_LEFT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_LEFT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do { \
    (tmp) = RB_LEFT(elm, field); \
    if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field)) \
    != NULL) { \
        RB_PARENT(RB_RIGHT(tmp, field), field) = (elm); \
    }

```

```

} \
RB_AUGMENT(elm); \
if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
    if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
        RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
    else \
        RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
} else \
    (head)->rbh_root = (tmp); \
RB_RIGHT(tmp, field) = (elm); \
RB_PARENT(elm, field) = (tmp); \
RB_AUGMENT(tmp); \
if ((RB_PARENT(tmp, field))) \
    RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr) \
    attr void name##_RB_INSERT_COLOR(struct name *, struct \
        type *); \
    attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *); \
    attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
    attr struct type *name##_RB_INSERT(struct name *, struct type *); \
    attr struct type *name##_RB_FIND(struct name *, struct type *); \
    attr struct type *name##_RB_NFIND(struct name *, struct type *); \
    attr struct type *name##_RB_NEXT(struct type *); \
    attr struct type *name##_RB_PREV(struct type *); \
    attr struct type *name##_RB_MINMAX(struct name *, int); \
    \

/* Main rb operation.
 * Moves node close to the key of elm to top
 */
#define RB_GENERATE(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr) \
    attr void \
    name##_RB_INSERT_COLOR(struct name *head, struct type *elm) \
    { \
        struct type \
        *parent, *gparent, *tmp; \
        while ((parent = RB_PARENT(elm, field)) != NULL && \

```

```

    RB_COLOR(parent, field) == RB_RED) { \
gparent = RB_PARENT(parent, field); \
if (parent == RB_LEFT(gparent, field)) { \
    tmp = RB_RIGHT(gparent, field); \
    if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
        RB_COLOR(tmp, field) = RB_BLACK; \
        RB_SET_BLACKRED(parent, gparent, field);\
        elm = gparent; \
        continue; \
    } \
    if (RB_RIGHT(parent, field) == elm) { \
        RB_ROTATE_LEFT(head, parent, tmp, field);\
        tmp = parent; \
        parent = elm; \
        elm = tmp; \
    } \
    RB_SET_BLACKRED(parent, gparent, field); \
    RB_ROTATE_RIGHT(head, gparent, tmp, field); \
} else { \
    tmp = RB_LEFT(gparent, field); \
    if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
        RB_COLOR(tmp, field) = RB_BLACK; \
        RB_SET_BLACKRED(parent, gparent, field);\
        elm = gparent; \
        continue; \
    } \
    if (RB_LEFT(parent, field) == elm)
{ \
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    tmp = parent; \
    parent = elm; \
    elm = tmp; \
} \
    RB_SET_BLACKRED(parent, gparent, field); \
    RB_ROTATE_LEFT(head, gparent, tmp, field); \
} \
} \
RB_COLOR(head->rbh_root, field) = RB_BLACK; \
} \
\
attr void \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{ \
    struct type *tmp; \
    while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
        elm != RB_ROOT(head)) { \
        if (RB_LEFT(parent, field) == elm) { \
            tmp = RB_RIGHT(parent, field); \

```

```

if (RB_COLOR(tmp, field) == RB_RED) { \
    RB_SET_BLACKRED(tmp, parent, field); \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = RB_RIGHT(parent, field); \
} \
if ((RB_LEFT(tmp, field) == NULL || \
    RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
    (RB_RIGHT(tmp, field) == NULL || \
    RB_COLOR(RB_RIGHT(tmp,
field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED; \
    elm = parent; \
    parent = RB_PARENT(elm, field); \
} else { \
    if (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
        struct type *oleft; \
        if ((oleft = RB_LEFT(tmp, field)) \
            != NULL) \
            RB_COLOR(oleft, field) = RB_BLACK;\
        RB_COLOR(tmp, field) = RB_RED; \
        RB_ROTATE_RIGHT(head, tmp, oleft, field);\
        tmp = RB_RIGHT(parent, field); \
    } \
    RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_RIGHT(tmp, field)) \
        RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    elm = RB_ROOT(head); \
    break; \
} \
} else { \
    tmp = RB_LEFT(parent, field); \
    if (RB_COLOR(tmp, field) == RB_RED) { \
        RB_SET_BLACKRED(tmp, parent, field); \
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        tmp
= RB_LEFT(parent, field); \
    } \
    if ((RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
        (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
        RB_COLOR(tmp, field) = RB_RED; \
        elm = parent; \
        parent = RB_PARENT(elm, field); \
    } else { \

```

```

if (RB_LEFT(tmp, field) == NULL || \
    RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
    struct type *oright; \
    if ((oright = RB_RIGHT(tmp, field)) \
        != NULL) \
        RB_COLOR(oright, field) = RB_BLACK;\
    RB_COLOR(tmp, field) = RB_RED; \
    RB_ROTATE_LEFT(head, tmp, oright, field);\
    tmp = RB_LEFT(parent, field); \
} \
RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
RB_COLOR(parent, field) = RB_BLACK; \
if (RB_LEFT(tmp, field)) \
    RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
RB_ROTATE_RIGHT(head, parent, tmp, field);\
elm = RB_ROOT(head); \
break; \
} \
} \
} \
if
(elm) \
    RB_COLOR(elm, field) = RB_BLACK; \
} \
\
attr struct type * \
name##_RB_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *child, *parent, *old = elm; \
    int color; \
    if (RB_LEFT(elm, field) == NULL) \
        child = RB_RIGHT(elm, field); \
    else if (RB_RIGHT(elm, field) == NULL) \
        child = RB_LEFT(elm, field); \
    else { \
        struct type *left; \
        elm = RB_RIGHT(elm, field); \
        while ((left = RB_LEFT(elm, field)) != NULL) \
            elm = left; \
        child = RB_RIGHT(elm, field); \
        parent = RB_PARENT(elm, field); \
        color = RB_COLOR(elm, field); \
        if (child) \
            RB_PARENT(child, field) = parent; \
        if (parent) { \
            if (RB_LEFT(parent, field) == elm) \
                RB_LEFT(parent, field) = child; \
            else \

```



```

    RB_RIGHT(parent, field) = child; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head)
= child; \
if (RB_PARENT(elm, field) == old) \
    parent = elm; \
(elm)->field = (old)->field; \
if (RB_PARENT(old, field)) { \
    if (RB_LEFT(RB_PARENT(old, field), field) == old)\
        RB_LEFT(RB_PARENT(old, field), field) = elm;\
    else \
        RB_RIGHT(RB_PARENT(old, field), field) = elm;\
    RB_AUGMENT(RB_PARENT(old, field)); \
} else \
    RB_ROOT(head) = elm; \
RB_PARENT(RB_LEFT(old, field), field) = elm; \
if (RB_RIGHT(old, field)) \
    RB_PARENT(RB_RIGHT(old, field), field) = elm; \
if (parent) { \
    left = parent; \
    do { \
        RB_AUGMENT(left); \
    } while ((left = RB_PARENT(left, field)) != NULL); \
} \
goto color; \
} \
parent = RB_PARENT(elm, field); \
color = RB_COLOR(elm, field); \
if (child) \
    RB_PARENT(child, field) = parent; \
if (parent) { \
    if (RB_LEFT(parent, field) == elm) \
        RB_LEFT(parent, field) = child; \
    else \
        RB_RIGHT(parent,
field) = child; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head) = child; \
color: \
if (color == RB_BLACK) \
    name##_RB_REMOVE_COLOR(head, parent, child); \
return (old); \
} \
\
/* Inserts a node into the RB tree */ \
attr struct type * \

```

```

name##_RB_INSERT(struct name *head, struct type *elm) \
{ \
    struct type *tmp; \
    struct type *parent = NULL; \
    int comp = 0; \
    tmp = RB_ROOT(head); \
    while (tmp) { \
        parent = tmp; \
        comp = (cmp)(elm, parent); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    RB_SET(elm, parent, field); \
    if (parent != NULL) { \
        if (comp < 0) \
            RB_LEFT(parent, field) = elm; \
        else \
            RB_RIGHT(parent, field) = elm; \
        RB_AUGMENT(parent); \
    } else \
        RB_ROOT(head) = elm; \
    name##_RB_INSERT_COLOR(head, \
    elm); \
    return (NULL); \
} \
\
/* Finds the node with the same key as elm */ \
attr struct type * \
name##_RB_FIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (NULL); \
} \
\

```

```

/* Finds the first node greater than or equal to the search key */\
attr struct type * \
name##_RB_NFIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *res = NULL; \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) { \
            res = tmp; \
            tmp = RB_LEFT(tmp, field); \
        } \
        else if (comp > 0) \
            tmp = \
RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (res); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_NEXT(struct type *elm) \
{ \
    if (RB_RIGHT(elm, field)) { \
        elm = RB_RIGHT(elm, field); \
        while (RB_LEFT(elm, field)) \
            elm = RB_LEFT(elm, field); \
    } else { \
        if (RB_PARENT(elm, field) && \
            (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        else { \
            while (RB_PARENT(elm, field) && \
                (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
                elm = RB_PARENT(elm, field); \
            elm = RB_PARENT(elm, field); \
        } \
    } \
    return (elm); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_PREV(struct type *elm) \
{ \

```

```

if (RB_LEFT(elm, field)) { \
    elm = RB_LEFT(elm, field); \
    while (RB_RIGHT(elm, field)) \
        elm = RB_RIGHT(elm, field); \
}
else { \
    if (RB_PARENT(elm, field) && \
        (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
        elm = RB_PARENT(elm, field); \
    else { \
        while (RB_PARENT(elm, field) && \
            (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        elm = RB_PARENT(elm, field); \
    } \
} \
return (elm); \
} \
\

attr struct type * \
name##_RB_MINMAX(struct name *head, int val) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *parent = NULL; \
    while (tmp) { \
        parent = tmp; \
        if (val < 0) \
            tmp = RB_LEFT(tmp, field); \
        else \
            tmp = RB_RIGHT(tmp, field); \
    } \
    return (parent); \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x, \
y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x) name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x) name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head) \

```

```

for ((x) = RB_MIN(name, head); \
    (x) != NULL; \
    (x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y) \
for ((x) = (y); \
    ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
    (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y) \
for ((x) = RB_MIN(name, head); \
    ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
    (x) = (y))

#define RB_FOREACH_REVERSE(x, name, head) \
for ((x) = RB_MAX(name, head); \
    (x) != NULL; \
    (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y) \
for ((x) = (y); \
    ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
    (x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name, \
head, y) \
for ((x) = RB_MAX(name, head); \
    ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
    (x) = (y))

#endif /* _SYS_TREE_H_ */

```

1.25 libx11 1.8.11-r0

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1.26 alpine-keys 2.5-r0

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Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=alpine-keys

pkgver=2.5

pkgrel=0

pkgdesc="Public keys for Alpine Linux packages"

url="https://alpinelinux.org"

we install arch specific keys to /etc so we cannot do arch=noarch

arch="all"

license="MIT"

replaces="alpine-base"

1.27 commons-fileupload 1.5

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1.28 jandex 3.2.0

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1.30 javax-activation 2.1.3

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1.31 java-cacerts 1.1-r0

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# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
buildid="$srcdir/${_pkgreal}-${pkgver}"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
        INSTALLDIRS=vendor \
        NO_PACKLIST=1 \
        NO_PERLLOCAL=1
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
}
```

```
sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
```

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```
<program> Copyright (C) <year> <name of author>
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
```

```
This is free software, and you are welcome to redistribute it  
under certain conditions; type 'show c' for details.
```

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```

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
0001-bsd-games-scores-dir.patch
"
options="!check" # no tests

build() {
# some GNU autoconf options are ignored, but it works
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr \
--sysconfdir=/etc \
--mandir=/usr/share/man \
--scoredir=/usr/share/$pkgname
make
}

package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6 0001-bsd-games-scores-dir.patch
"

Vintage Dreams Waves v 2.0. for Creative Labs' AWE Soundcards
(EMU Soundfont 2 Format)

Copyright (c) Ian Wilson, 1996 (Updated January 1998)

```

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vintagedreamworks@hotmail.com

<http://www.geocities.com/SiliconValley/Campus/8645/index.html>

<http://members.nbc.com/silicon39/>

<http://www.mp3.com/silicon39>

<https://analoguesque.x10host.com/>

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Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

```

subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
mini_sendmail - accept email on behalf of real sendmail

```

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Contributor: Patrycja Rosa <alpine@ptrcnull.me>

Maintainer: Patrycja Rosa <alpine@ptrcnull.me>

pkgname=bsd-compat-headers

pkgver=0.7.2

pkgrel=6

pkgdesc="BSD compatibility headers (cdefs, queue, tree)"

url="https://gitlab.alpinelinux.org/alpine/aports"

arch="noarch"

license="BSD-2-Clause AND BSD-3-Clause"

source="

cdefs.h

queue.h

tree.h

"

builddir="\$srcdir"

options="!check" # just headers

package() {

mkdir -p "\$pkgdir"

install -Dm644 -t "\$pkgdir"/usr/include/sys \

cdefs.h queue.h tree.h

}

sha512sums="

37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312

7006442c3f019b6447a620c0cae73178 cdefs.h

2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86

11ea33987d4faba37dde5ce6da0750 queue.h

d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da

cef2092881eded0a2e94f6a07752ef3 tree.h

"

Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>

Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>

pkgname=spdx-licenses

pkgver=3.26.0

pkgrel=0

pkgdesc="Various data formats for the SPDX License List"

url="https://spdx.org/"

arch="noarch"

options="!check" # no test suite

license="CC-BY-3.0"

source="license-list-data-\$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v\$pkgver.tar.gz"

builddir="\$srcdir/license-list-data-\$pkgver"

subpackages="\$pkgname-list"

_types="html json rdfa rdfturtle rdfxml template text"

```
for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done
```

```
package() {
    mkdir -p "$pkgdir"
}
```

```
_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname=$pkgver-r$pkgrel"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}
```

```
list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt;
    do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}
```

```
sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a  license-list-data-3.26.0.tar.gz
"
```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95

<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

Contributor: Dhruvin Gandhi <contact@dhruvin>

Maintainer: Patrycja Rosa <alpine@ptrcnull.me>

pkgname=py3-license-expression

_pkgname=license_expression

pkgver=30.4.1

pkgrel=0

pkgdesc="Library to parse, compare, simplify and normalize license expressions"

url="https://github.com/nexB/license-expression"

arch="noarch"

license="Apache-2.0"

depends="python3 py3-boolean.py"

makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"

checkdepends="py3-pytest py3-pytest-xdist"

subpackages="\$pkgname-pyc"

source="https://files.pythonhosted.org/packages/source/l/_pkgname/_pkgname-\$pkgver.tar.gz"

builddir="\$srcdir/\$pkgname-\$pkgver"

build() {

gpep517 build-wheel \

--wheel-dir .dist \

--output-fd 3 3>&1 >&2

}

check() {

python3 -m venv --clear --without-pip --system-site-packages .testenv

.testenv/bin/python3 -m installer .dist/*.whl

.testenv/bin/python3 -m pytest

}

package() {

python3 -m installer -d "\$pkgdir" \

.dist/*.whl

}

sha512sums="

114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312

```

fda3f699cbc7c4fbd47a71e220440fb0
license_expression-30.4.1.tar.gz
"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
buildid="$_srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

package() {
    gpep517 install-wheel --destdir "$pkgdir" \
        .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"

```

```

source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

build() {
    cargo auditable build --release --frozen
}

check() {
    cargo test --frozen
}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
"

```

1.32 spring-cloud-stream 4.2.0

1.32.1 Available under license :

Apache-2.0

1.33 libmd 1.1.0-r0

1.33.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Files:

*

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src/sha2.c

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man/rmd160.3

man/sha1.3

man/sha2.3

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src/helper.c

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src/md5.c

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src/sha1.c

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1.34 angus-mail 2.0.3

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1.38 brotli 1.1.0-r2

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1.40 spring-vault-core 3.1.2

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1.42 reactor-core 3.7.3

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Found in path(s):

- * /reactor-core-3-7-3-sources-jar/reactor/util/context/Context1.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/context/Context2.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSink.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/context/Context3.java
- *

/reactor-core-3-7-3-sources-jar/reactor/util/context/Context0.java

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Found in path(s):

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDematerialize.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoPeekFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTakeLast.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoIgnoreElement.java
- *

/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxContextWrite.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxPeekFuseable.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDoOnEach.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoPeek.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoRetry.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRepeatPredicate.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/CorePublisher.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSkipUntil.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxIndexFuseable.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoBridges.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRepeat.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoRepeat.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTake.java

- *

/reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCallableOnAssembly.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoPublishOn.java

- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDistinct.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple4.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InnerConsumer.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoOnAssembly.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoToCompletableFuture.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSubscribeOn.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoOnErrorResume.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDistinctFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/DrainUtils.java
- * /reactor-core-3-7-3-sources-jar/reactor/adapters/JdkFlowAdapter.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFilter.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDetach.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSourceFluxFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoMapFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSourceMono.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/OptimizableOperator.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnBackpressureDrop.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDetach.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/LambdaMonoSubscriber.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoElapsed.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/NonBlocking.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxLog.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuples.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxIndex.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxLogFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoMap.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple5.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTakeWhile.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/SingleWorkerScheduler.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxCancelOn.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxScanSeed.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoIgnoreElements.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFilterFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoLog.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoHide.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDoFirst.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SerializedSubscriber.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDematerialize.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFilterFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SignalType.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSkipWhile.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoMaterialize.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTakeLastOne.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMaterialize.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDefaultIfEmpty.java

- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple2.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/Logger.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple7.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSingleMono.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSkipLast.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoRepeatWhen.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDoFirstFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxHide.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxBufferPredicate.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxElapsed.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFilter.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSkip.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTimed.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/LambdaSubscriber.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoContextWrite.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxScan.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTakeFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDoFirstFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSourceMonoFuseable.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnAssembly.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple6.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/concurrent/SpSCLinkedArrayQueue.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxZipIterable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BaseSubscriber.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ImmutableSignal.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSingle.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxPeek.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple8.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/Fuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoRepeatPredicate.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxCallableOnAssembly.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSourceFlux.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoNext.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCancelOn.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/Tuple3.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDoFirst.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SignalPeek.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnBackpressureLatest.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSourceFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDistinctUntilChanged.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDoOnEachFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoLogFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDoOnEachFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSubscribeOn.java

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```
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/DelegateServiceScheduler.java
* /reactor-core-3-7-3-sources-jar/reactor/util/context/Context.java
* /reactor-core-3-7-3-sources-jar/reactor/util/context/Context4.java
* /reactor-core-3-7-3-sources-jar/reactor/util/context/Context5.java
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```
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ContextPropagationSupport.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/CallSiteSupplierFactory.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/BoundedElasticSchedulerSupplier.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalProducerAttr.java
*
```

/reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFluxRestoringThreadLocals.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/BoundedElasticThreadPerTaskScheduler.java
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* /reactor-core-3-7-3-sources-jar/reactor/util/concurrent/MpscLinkedQueue.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/OnNextFailureStrategy.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/ReactorThreadFactory.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoOnErrorReturn.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/SchedulerState.java
* /reactor-core-3-7-3-sources-jar/reactor/core/observability/DefaultSignalListener.java
* /reactor-core-3-7-3-sources-jar/reactor/core/observability/SignalListenerFactory.java
*

/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnErrorReturn.java
* /reactor-core-3-7-3-sources-jar/reactor/core/observability/SignalListener.java
* /reactor-core-3-7-3-sources-jar/reactor/util/context/ReactorContextAccessor.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalManySink.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkManySerialized.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Timed.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkEmptySerialized.java
*
/reactor-core-3-7-3-sources-jar/reactor/util/retry/ImmutableRetrySignal.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTimed.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkOneSerialized.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalOneSink.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/DelegatingScheduledExecutorService.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalEmptySink.java
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* /reactor-core-3-7-3-sources-jar/reactor/util/annotation/NonNull.java

* /reactor-core-3-7-3-sources-jar/reactor/util/annotation/NonNullApi.java

* /reactor-core-3-7-3-sources-jar/reactor/util/annotation/Nullable.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCacheInvalidateWhen.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSwitchMapNoPrefetch.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/BoundedElasticScheduler.java

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Found in path(s):

```
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalConnectableFluxOperator.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ConnectableLiftFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoLift.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRefCount.java
*
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoLiftFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxPublish.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/Schedulers.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxLiftFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxBufferTimeout.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ConnectableFlux.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelLiftFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/Scheduler.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ConnectableLift.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/GroupedLiftFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/Exceptions.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BlockingOptionalMonoSubscriber.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxGenerate.java
*
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SynchronousSink.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxContextWriteRestoringThreadLocals.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxConcatArray.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxAutoConnectFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxLift.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Operators.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BlockingSingleSubscriber.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxAutoConnect.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelLift.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Flux.java
```

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxBuffer.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxReplay.java
*

/reactor-core-3-7-3-sources-jar/reactor/core/publisher/GroupedLift.java
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* /reactor-core-3-7-3-sources-jar/reactor/util/context/ContextN.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxJust.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoRunnable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BlockingLastSubscriber.java
*

/reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelArraySource.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoJust.java
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- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMetricsFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/QueueDrainSubscriber.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoMetrics.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoMetricsFuseable.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/SchedulerMetricDecorator.java

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- * /reactor-core-3-7-3-sources-jar/reactor/util/package-info.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/package-info.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/context/package-info.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/function/package-info.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/package-info.java
- * /reactor-core-3-7-3-sources-jar/reactor/adapters/package-info.java
- * /reactor-core-3-7-3-sources-jar/reactor/util/concurrent/package-info.java

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* /reactor-core-3-7-3-sources-jar/reactor/util/context/CoreContext.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ContextTrackingFunctionWrapper.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnBackpressureBuffer.java
* /reactor-core-3-7-3-sources-jar/reactor/core/Disposable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/ExecutorServiceWorker.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/GroupedFlux.java
*
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InnerOperator.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BufferOverflowStrategy.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ContextHolder.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnBackpressureBufferStrategy.java
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```
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/ImmediateScheduler.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Signal.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDefaultIfEmpty.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/NextProcessor.java
*
/ reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoHasElements.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoAll.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDoFinally.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/DirectInnerContainer.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMapFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMapSignal.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDoFinally.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoReduceSeed.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoPeekTerminal.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoElementAt.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoHasElement.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoReduce.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoAny.java
*
/ reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFlattenIterable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoNameFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ReplayProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoStreamCollector.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTakeLastOne.java
* /reactor-core-3-7-3-sources-jar/reactor/util/concurrent/SpSCArrayQueue.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDoOnEach.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxName.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCollect.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/UnicastProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxNameFuseable.java
*
/ reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCollectList.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/DelegateProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxWindow.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/DirectProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/SingleScheduler.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/EmitterProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/ParallelScheduler.java
* /reactor-core-3-7-3-sources-jar/reactor/util/Metrics.java
```

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCount.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoName.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Traces.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMetrics.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSwitchOnFirst.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinksSpecs.java

* /reactor-core-3-7-3-sources-jar/reactor/util/context/ContextView.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Sinks.java

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* /reactor-core-3-7-3-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration
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```
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/OperatorDisposables.java
* /reactor-core-3-7-3-sources-jar/reactor/core/CoreSubscriber.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/EmptyCompositeDisposable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/WorkerTask.java
*
* /reactor-core-3-7-3-sources-jar/reactor/util/concurrent/Queues.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/SchedulerTask.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCacheTime.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxLimitRequest.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/InstantPeriodicWorkerTask.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnBackpressureBufferTimeout.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDelaySequence.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/PeriodicWorkerTask.java
```

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/StrictSubscriber.java
* /reactor-core-3-7-3-sources-jar/reactor/core/Disposables.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/PeriodicSchedulerTask.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoExpand.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelThen.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/ReactorBlockHoundIntegration.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelMap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SignalLogger.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkManyUnicast.java

```

*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxErrorSupplied.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalMonoOperator.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTimeout.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFlatMap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxCreate.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDeferContextual.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxInterval.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMerge.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ConnectableFluxHide.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxErrorOnRequest.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxGroupJoin.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOperator.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDelaySubscription.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxEmpty.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFirstWithSignal.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoNever.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxBufferBoundary.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxOnErrorResume.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BlockingFirstSubscriber.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRepeatWhen.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelLog.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxCallable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFluxOnAssembly.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxZip.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InternalFluxOperator.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSampleTimeout.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCallable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BlockingIterable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelMergeSort.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoEmpty.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxConcatIterable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkManyEmitterProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxError.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSink.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSource.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDelayElement.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxGroupBy.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxNever.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelConcatMap.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDelay.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSingleOptionalCallable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxIterable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRetryWhen.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFlatMap.java

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- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoIgnorePublisher.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoOperator.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSwitchMap.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxWindowPredicate.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/InnerProducer.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxStream.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMergeSequential.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoIgnoreThen.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkOneMulticast.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ConnectableFluxOnAssembly.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDelaySubscription.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSequenceEqual.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSwitchIfEmpty.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFluxHide.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCreate.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFlattenIterable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSourceFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoUsing.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDeferContextual.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDefer.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoRetryWhen.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSubscribeOnValue.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxUsing.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Hooks.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxWindowBoundary.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoZip.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelCollect.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoHandleFuseable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxWindowWhen.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelGroup.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxDefer.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxBufferWhen.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSampleFirst.java
- *
- /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxCombineLatest.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFromPublisher.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSubscribeOnCallable.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxWithLatestFrom.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSubscribeOnValue.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCompletionStage.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelDoOnEach.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFirstWithValue.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRetry.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelPeek.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SourceProducer.java
- * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFromMonoOperator.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTimeout.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFilter.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTakeUntilOther.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFlatMapMany.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFirstWithValue.java
* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/ExecutorScheduler.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoError.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFlatMap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFirstWithSignal.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxConcatMap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxHandleFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoCurrentContext.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoHandle.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSource.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxHandle.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSample.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelMergeOrdered.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRange.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/BlockingMonoSubscriber.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelMergeSequential.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTakeUntil.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelMergeReduce.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSubscribeOnCallable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSingleOptional.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxPublishMulticast.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxArray.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxSkipUntilOther.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkManyReplayProcessor.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSupplier.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTakeUntilOther.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoErrorSupplied.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxJoin.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelSource.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelReduceSeed.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxPublishOn.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoSwitchIfEmpty.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelRunOn.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFlux.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFromFluxOperator.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/ParallelFluxName.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoContextWriteRestoringThreadLocals.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ConnectableFluxRestoringThreadLocals.java
 * /reactor-core-3-7-3-sources-jar/reactor/util/annotation/Incubating.java
 * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxContextWriteRestoringThreadLocalsFuseable.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/StateLogger.java
 * /reactor-core-3-7-3-sources-jar/reactor/core/publisher/ContextPropagation.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTapFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTapFuseable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTapRestoringThreadLocals.java
*
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoTap.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxTapRestoringThreadLocals.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkManyBestEffort.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkManyUnicastNoBackpressure.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxConcatMapNoPrefetch.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/SinkEmptyMulticast.java
*
* /reactor-core-3-7-3-sources-jar/reactor/util/retry/RetrySpec.java
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* /reactor-core-3-7-3-sources-jar/reactor/util/retry/RetryBackoffSpec.java
* /reactor-core-3-7-3-sources-jar/reactor/util/retry/Retry.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/Scannable.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxRefCountGrace.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoPublishMulticast.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxWindowTimeout.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoFilterWhen.java
*
/reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxFilterWhen.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoDelayUntil.java
* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxExpand.java
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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxUsingWhen.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/MonoUsingWhen.java

* /reactor-core-3-7-3-sources-jar/reactor/core/scheduler/VirtualThreadFactory.java

* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/FluxMergeComparing.java

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* /reactor-core-3-7-3-sources-jar/reactor/core/publisher/Mono.java

* /reactor-core-3-7-3-sources-jar/reactor/util/Loggers.java

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1.45 woodstox 7.0.0

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1.48 jakarta-xml-soap-api 3.0.2

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1.49 resilience4j-spring6 2.2.0

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1.50 java-common 1.0-r0

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1.52 jackson-dataformat-xml 2.18.2

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Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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1.53 libxrender 0.9.12-r0

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1.54 commons-lang3 3.17.0

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- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/HttpRequestLoadBalancerRequest.java
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- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/serviceregistry/ServiceRegistryAutoConfiguration.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/DefaultServiceInstance.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/configuration/SleuthPresentVerifier.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/RetryableRequestContext.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/RetryableStatusCodeException.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/reactive/RetryableStatusCodeException.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/configuration/CompositeCompatibilityVerifier.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/discovery/simple/SimpleDiscoveryProperties.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerLifecycleValidator.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/discovery/EnableDiscoveryClient.java


```

*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/AutoServiceRegistrationProperties.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancedRetryPolicy.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/CommonsClientAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/TimedRequestContext.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/health/DiscoveryCompositeHealthContributor.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/event/InstancePreRegisteredEvent.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/WebClientCustomizer.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/discovery/DiscoveryClient.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/HintRequestContext.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/configuration/CompatibilityVerifier.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/configuration/CompatibilityNotMetException.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/ManagementServerPortUtils.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/hypermedia/TraversalDefinition.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/LoadBalancedExchangeFilterFunction.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/health/reactive/ReactiveDiscoveryHealthIndicator.java
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jar/org/springframework/cloud/client/hypermedia/CloudHypermediaAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/ReactiveLoadBalancer.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancedRetryContext.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/DefaultResponse.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/configuration/CompatibilityVerifierAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/LoadBalancerRetryPolicy.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/commons/config/CommonsConfigAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/composite/reactive/ReactiveCompositeDiscoveryClient.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/simple/reactive/SimpleReactiveDiscoveryClient.java

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```

*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/ReactorLoadBalancerExchangeFilterFunction.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancerClient.java
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jar/org/springframework/cloud/client/discovery/event/InstanceRegisteredEvent.java
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jar/org/springframework/cloud/client/hypermedia/ServiceInstanceProvider.java
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jar/org/springframework/cloud/client/discovery/simple/reactive/SimpleReactiveDiscoveryClientAutoConfiguration.j
ava
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/RetryableExchangeFilterFunctionLoadBalancerRetryPol
icy.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/ResponseData.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/actuator/NamedFeature.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/AutoServiceRegistrationConfiguration.java
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jar/org/springframework/cloud/client/discovery/simple/SimpleDiscoveryClientAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/LoadBalancerRetryContext.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/commons/util/SpringFactoryImportSelector.java
* /spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/actuator/HasFeatures.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/AutoServiceRegistrationAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/actuator/FeaturesEndpoint.java
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/spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/commons/util/InetUtilsProperties.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/serviceregistry/Registration.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/ServiceRegistry.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/LoadBalancerClientRequestTransformer.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancedRetryFactory.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/configuration/CompatibilityNotMetFailureAnalyzer.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancedRecoveryCallback.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/health/DiscoveryClientHealthIndicator.java
* /spring-cloud-commons-4-2-0-sources-1-

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jar/org/springframework/cloud/configuration/SpringBootVersionVerifier.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/endpoint/ServiceRegistryEndpoint.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancerUriTools.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/Request.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/RequestData.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/ServiceInstanceChooser.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/commons/util/UtilAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-
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/spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/AutoServiceRegistration.java
* /spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-
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jar/org/springframework/cloud/client/serviceregistry/AbstractAutoServiceRegistration.java
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* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/ServiceInstance.java
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/spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancerDefaultMappingsProviderAutoConfiguration.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/configuration/CompatibilityPredicate.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/configuration/VerificationResult.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/event/HeartbeatMonitor.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/RestTemplateCustomizer.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/RegistrationManagementLifecycle.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/health/reactive/ReactiveDiscoveryCompositeHealthContributor.java
*

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/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/configuration/CompatibilityVerifierProperties.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/LoadBalancerLifecycle.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/commons/util/IdUtils.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/RequestDataContext.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/EnableDiscoveryClientImportSelector.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/InterceptorRetryPolicy.java
* /spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/EmptyResponse.java
* /spring-cloud-commons-4-2-0-sources-1-
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/spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-
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* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/health/DiscoveryHealthIndicator.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/Response.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/serviceregistry/RegistrationLifecycle.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/event/ParentHeartbeatEvent.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/hypermedia/RemoteResourceRefresher.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/discovery/health/DiscoveryClientHealthIndicatorProperties.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/hypermedia/RemoteResource.java
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jar/org/springframework/cloud/commons/config/DefaultsBindHandlerAdvisor.java
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* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/commons/publisher/FluxFirstNonEmptyEmitting.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/circuitbreaker/observation/CircuitBreakerObservationDocumentation.java
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- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/SimpleObjectProvider.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/HostInfoEnvironmentPostProcessor.java
- *
- /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/RetryLoadBalancerInterceptor.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/discovery/ReactiveDiscoveryClient.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/RestClientBuilderCustomizer.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/reactive/LoadBalancerWebClientBuilderBeanPostProcessor.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/commons/util/InetUtils.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/BlockingLoadBalancerInterceptor.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/ClientHttpResponseStatusCodeException.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerAutoConfiguration.java
- *
- /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/reactive/LoadBalancerBeanPostProcessorAutoConfiguration.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerProperties.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerRestTemplateBuilderBeanPostProcessor.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerEagerLoadProperties.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerInterceptor.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/DeferringLoadBalancerInterceptor.java
- * /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/reactive/DeferringLoadBalancerExchangeFilterFunction.java
- *
- /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/loadbalancer/AbstractLoadBalancerBlockingBuilderBeanPostProcessor.java

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* /spring-cloud-commons-4-2-0-sources-1-

jar/org.springframework.cloud/client/loadbalancer/LoadBalancerRequestTransformer.java

* /spring-cloud-commons-4-2-0-sources-1-

jar/org.springframework.cloud/commons/security/ResourceServerTokenRelayAutoConfiguration.java

*

/spring-cloud-commons-4-2-0-sources-1-

jar/org.springframework.cloud/client/hypermedia/DiscoveredResource.java

* /spring-cloud-commons-4-2-0-sources-1-

jar/org.springframework.cloud/client/hypermedia/DynamicServiceInstanceProvider.java

* /spring-cloud-commons-4-2-0-sources-1-

jar/org.springframework.cloud/client/discovery/composite/CompositeDiscoveryClient.java

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jar/org.springframework.cloud/client/loadbalancer/BlockingRestClassesPresentCondition.java

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jar/org/springframework/cloud/client/loadbalancer/reactive/ExchangeFilterFunctionUtils.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/loadbalancer/reactive/RetryableLoadBalancerExchangeFilterFunction.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/commons/util/TaskSchedulerWrapper.java
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jar/org/springframework/cloud/client/ConditionalOnReactiveDiscoveryEnabled.java
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jar/org/springframework/cloud/client/ConditionalOnDiscoveryEnabled.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/ConditionalOnBlockingDiscoveryEnabled.java
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* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/circuitbreaker/ReactiveCircuitBreakerFactory.java
* /spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/circuitbreaker/NoFallbackAvailableException.java
*
/spring-cloud-commons-4-2-0-sources-1-
jar/org/springframework/cloud/client/circuitbreaker/ReactiveCircuitBreaker.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/circuitbreaker/Customizer.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/circuitbreaker/CircuitBreaker.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/circuitbreaker/ConfigBuilder.java
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jar/org/springframework/cloud/client/circuitbreaker/AbstractCircuitBreakerFactory.java
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* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/circuitbreaker/observation/ObservedFunction.java
*
/spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/circuitbreaker/observation/DefaultCircuitBreakerObservationConvention.java
* /spring-cloud-commons-4-2-0-sources-1-jar/org/springframework/cloud/client/circuitbreaker/observation/CircuitBreakerObservationConvention.java
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1.57 swagger-core-jakarta 2.2.25

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1.58 tomcat-jdbc 11.0.0-M16

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1.59 error_prone_annotations 2.21.1

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Found in path(s):

* /error-prone-annotations-2-21-1-3-jar/META-

INF/maven/com.google.errorprone/error_prone_annotations/pom.xml

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Manifest-Version: 1.0

Created-By: Maven JAR Plugin 3.2.2

Build-Jdk-Spec: 17

Automatic-Module-Name: com.google.errorprone.annotations

Bundle-Description: Error Prone is a static analysis tool for Java that
catches common programming mistakes at compile-time.

Bundle-DocURL: https://errorprone.info/error_prone_annotations

Bundle-License: "Apache 2.0";link="http://www.apache.org/licenses/LICENSE-2.0.txt"

Bundle-ManifestVersion: 2

Bundle-Name: error-prone annotations

Bundle-SCM: url="https://github.com/google/error-prone/error_prone_annotations",connection="scm:git:https://github.com/google/error-prone.git/error_prone_annotations",developer-connection="scm:git:git@github.com:google/error-prone.git/error_prone_annotations",tag=HEAD

Bundle-SymbolicName: com.google.errorprone.annotations

Bundle-Vendor: Google LLC

Bundle-Version: 2.21.1

Export-Package: com.google.errorprone.annotations;uses:="javax.lang.model.element";version="2.21.1",com.google.errorprone.annotations.concurrent;version="2.21.1"

Import-Package: javax.lang.model.element

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Found in path(s):

* /error-prone-annotations-2-21-1-3-jar/META-INF/MANIFEST.MF

1.60 poi 5.4.0

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org.apache.poi.util.ReplacingInputStream is based on code from
inbot-utils (<https://github.com/Inbot/inbot-utils>)

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1.61 jakarta-validation-api 3.0.2

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~ Jakarta Bean Validation API
~
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-->
<![CDATA[
Comments to: <a href="mailto:bean-validation-dev@eclipse.org">bean-validation-dev@eclipse.org</a>.<br>
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```

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```
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```


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* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ValidateUnwrappedValue.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/executable/ValidateOnExecution.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/AssertTrue.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintDefinitionException.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Positive.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Digits.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Min.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/executable/package-info.java
*
/jakarta-validation-api-3-0-2-sources-jar/module-info.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ValidatorContext.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/CascadableDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ExecutableDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Configuration.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/MethodDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/spi/package-info.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/groups/Default.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/GroupDefinitionException.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/FutureOrPresent.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/NotBlank.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/DecimalMin.java
*
/jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ConstraintDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Payload.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/spi/BootstrapState.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ParameterNameProvider.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/Scope.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ValidationProviderResolver.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/NegativeOrZero.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/NotEmpty.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/valueextraction/ExtractedValue.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraintvalidation/ValidationTarget.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/UnexpectedTypeException.java
*
/jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/CrossParameterDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/PropertyDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/BootstrapConfiguration.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/GroupConversionDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/valueextraction/package-info.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ReturnValueDescriptor.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/bootstrap/GenericBootstrap.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/AssertFalse.java

- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/valueextraction/Unwrapping.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ReportAsSingleViolation.java
- *
- /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintViolationException.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ParameterDescriptor.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Constraint.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/TraversableResolver.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/NoProviderFoundException.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ValidatorFactory.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Null.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ValidationException.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Path.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Validation.java
- * /jakarta-validation-api-3-0-2-sources-
- jar/jakarta/validation/valueextraction/ValueExtractorDefinitionException.java
- *
- /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintValidatorFactory.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Max.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/PastOrPresent.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Negative.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Validator.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ContainerElementTypeDescriptor.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ConstructorDescriptor.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintDeclarationException.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Email.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Pattern.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ElementKind.java
- *
- /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/executable/ExecutableValidator.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/NotNull.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ElementDescriptor.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Past.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/package-info.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ClockProvider.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Size.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/package-info.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/PositiveOrZero.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/bootstrap/ProviderSpecificBootstrap.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/Future.java
- *
- /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintTarget.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/DecimalMax.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/GroupSequence.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/spi/ConfigurationState.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/BeanDescriptor.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/groups/ConvertGroup.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraintvalidation/package-info.java
- * /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/spi/ValidationProvider.java

```

* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/MessageInterpolator.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/bootstrap/package-info.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/valueextraction/ValueExtractor.java
*
/jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/groups/package-info.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintValidatorContext.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintViolation.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraintvalidation/SupportedValidationTarget.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/valueextraction/UnwrapByDefault.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/Valid.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/OverridesAttribute.java
* /jakarta-validation-api-3-0-2-sources-
jar/jakarta/validation/valueextraction/ValueExtractorDeclarationException.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/ConstraintValidator.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/constraints/package-info.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/executable/ExecutableType.java
*
/jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/MethodType.java
* /jakarta-validation-api-3-0-2-sources-jar/jakarta/validation/metadata/ContainerDescriptor.java

```

1.62 truelicense-spi 4.0.3

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```

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```
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```

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```

Found in path(s):

```

* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/i18n/package-info.java
* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/codec/Codecs.java
* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/i18n/BasicMessage.java
* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/i18n/FormattedResourceBundle.java
* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/i18n/Formattable.java
* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/codec/package-info.java
* /truelicense-spi-4-0-3-sources-jar/global/namespace/truelicense/spi/i18n/FormattedMessage.java

```

1.63 zlib 1.3.1-r2

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1.64 wildfly-common 1.5.4.Final

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1.70 spring-cloud-starter 4.2.0

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* /spring-cloud-starter-4-2-0-jar/META-INF/maven/org.springframework.cloud/spring-cloud-starter/pom.xml

1.71 fun-io-api 2.3.0

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Found in path(s):

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/NoContentException.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/function/XFunction.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Decoder.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Codec.java

*

/fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Encoder.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/function/XConsumer.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Filter.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/function/XSupplier.java

* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Sink.java

```
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Socket.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Internal.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Store.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/CompositeClosable.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ConnectedCodec.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/GenSource.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/Source.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ContentTooLargeException.java
```

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```
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveSink.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveInputStream.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveSource.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/GenSink.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveStore.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveEntrySource.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveEntrySink.java
* /fun-io-api-2-3-0-sources-jar/global/namespace/fun/io/api/ArchiveOutputStream.java
```

1.72 jakarta-inject-api 2.0.1

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1.73 jsr305 3.0.2

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```
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/Immutable.java  
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/GuardedBy.java  
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/NotThreadSafe.java  
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/ThreadSafe.java
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1.74 jakarta.mail-api 2.1.3

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1.80 utmps 0.1.2.3-r2

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1.82 truelicense-api 4.0.3

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*/

/**

* Returns {@code true} if this exception is considered confidential and

* should not be shared with users.

```

* <p>
* The implementation in the class {@code LicenseManagementException}
* returns {@code true}.
*/

```

Found in path(s):

```

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseManagementException.java
No license file was found, but licenses were detected in source scan.

```

```

/*
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*/
/**
* Returns {@code true} if this exception is considered confidential and
* should not be shared with users.
* <p>
* The implementation in the class {@code LicenseValidationException}
* returns {@code false}.
*/

```

Found in path(s):

```

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseValidationException.java
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```

```

/*
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*/
/**
* Provides life cycle management for license keys.
* License keys are small binary objects which can be stored in a file, a preferences node, the heap or any custom
* implementation of the {@link global.namespace.fun.io.api.Store} interface.
* License keys pass the following life cycle phases as defined by the interfaces
* {@link global.namespace.truelicense.api.VendorLicenseManager} and {@link
global.namespace.truelicense.api.ConsumerLicenseManager}:
* <ol>
* <li>{@linkplain global.namespace.truelicense.api.VendorLicenseManager#generateKeyFrom generation},
* <li>{@linkplain global.namespace.truelicense.api.ConsumerLicenseManager#install installation},
* <li>{@linkplain global.namespace.truelicense.api.ConsumerLicenseManager#load loading},
* <li>{@linkplain global.namespace.truelicense.api.ConsumerLicenseManager#verify
verification} and
* <li>{@linkplain global.namespace.truelicense.api.ConsumerLicenseManager#uninstall uninstallation}
* </ol>
* <p>
* A license bean is an instance of the {@link global.namespace.truelicense.api.License} class.
* This class follows the Java Bean pattern and defines common properties for the license management subject, issue
* date, issuer, holder, consumer type/amount, validity period and custom data.

```

- * These properties get `{@link plain.global.namespace.truelicense.api.LicenseInitialization#initialize initialized}` and
- * `{@link plain.global.namespace.truelicense.api.LicenseValidation#validate validated}` whenever a license key gets generated.
- * They also get validated whenever a license key gets installed or verified.
- *
- * A license key gets generated from a license bean by applying the following function composition:
- *

```

* {@code encrypt(compress(encode(sign(encode(validate(initialize(duplicate(bean)))))))))}
* 
```
- *
- * When installing or verifying a license key, a duplicate of the original license bean gets derived by applying the
- * following (almost inverse) function composition (note that there is no initialization and hence no duplication
- * required):
- *

```

* {@code validate(decode(authenticate(decode(decompress(decrypt(key))))))}
* 
```
- *
- * The validation step is skipped when a license key is just viewed.
- * Encryption is done via JCA with a configurable password based encryption algorithm.
- * Authentication is done via JCA with a configurable keystore type and signature algorithm.
- * Encoding is done with `{@link java.beans.XMLEncoder}` for simple, schema-less, yet resilient long term archival.
- *
- * TrueLicense 3 retains full compatibility with TrueLicense 1 (`{@code V1}`) and TrueLicense 2 (`{@code V2/*}`)
- format
- * license keys.
- *
- * Applications use an instance of the interface `{@link`
- `plain.global.namespace.truelicense.api.LicenseManagementContextBuilder}` as their
- * starting
- point for configuring a `{@link plain.global.namespace.truelicense.api.LicenseManagementContext}` and subsequently
- one or more
- * `{@link plain.global.namespace.truelicense.api.ConsumerLicenseManager}` or `{@link`
- `plain.global.namespace.truelicense.api.VendorLicenseManager}` instances.
- *
- * For security, passwords are represented as an instance of the `{@link`
- `plain.global.namespace.truelicense.api.passwd.PasswordProtection}`
- * interface.
- * Other security critical strings (algorithms, paths, etc.) are annotatable with
- * `{@code @plain.global.namespace.truelicense.obfuscate.Obfuscate}` and processible with the TrueLicense Maven
- Plugin for
- * simple, reliable obfuscation of constant string values in the byte code for license applications.
- *
- * **Warning:**
- * To protect against reverse engineering and modification of your application, it is strictly necessary to generally
- * process *all* byte code which is comprised in your deployment unit with a tool for byte code
- obfuscation.
- * TrueLicense

does not provide general byte code obfuscation because there exist good quality third party tools, e.g.

* ProGuard.

*/

Found in path(s):

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/package-info.java

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-->

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* /truelicense-api-4-0-3-sources-jar/META-INF/maven/global.namespace.truelicense/truelicense-api/pom.xml

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*/

Found in path(s):

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* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseFactory.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/x500/X500PrincipalBuilder.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/ConsumerLicenseManager.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/codec/package-info.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseManagementAuthorization.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/passwd/package-info.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseManagerMixin.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/x500/X500AttributeTypeKeyword.java

*

/truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/AuthenticationFactory.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/package-info.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/crypto/EncryptionChildBuilder.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/builder/GenBuilder.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/builder/package-info.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/RepositoryFactory.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/UncheckedLicenseManagementException.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/UncheckedVendorLicenseManager.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/Authentication.java

*

/truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseKeyGenerator.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/x500/GenX500PrincipalBuilder.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/VendorLicenseManager.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseManagerParameters.java

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/i18n/Message.java

```

* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/RepositoryController.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/i18n/package-info.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/crypto/EncryptionFactory.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/AuthenticationChildBuilder.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/codec/Codec.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/VendorLicenseManagerBuilder.java
*
/truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/UncheckedConsumerLicenseManager.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/passwd/PasswordUsage.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/crypto/EncryptionParameters.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseManagerBuilderMixin.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/crypto/package-info.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/ConsumerLicenseManagerBuilder.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseFunctionComposition.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/passwd/PasswordProtection.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/x500/package-info.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/RepositoryIntegrityException.java
*
/truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/crypto/Encryption.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/passwd/Password.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseValidation.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/UncheckedLicenseManager.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/builder/GenChildBuilder.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/passwd/WeakPasswordException.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/UncheckedLicenseKeyGenerator.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/auth/AuthenticationParameters.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/License.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseManagementContext.java
*
/truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/LicenseInitialization.java
* /truelicense-api-4-0-3-sources-jar/global/namespace/truelicense/api/passwd/PasswordPolicy.java

```

1.83 alpine-base 3.22.2-r0

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1.84 resilience4j-micrometer 2.2.0

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1.85 byte-buddy 1.15.11

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1.86 netty-resolver-dns-native-macos

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1.87 ical4j 3.2.17

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* /netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml
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- * /netty-resolver-dns-classes-macos-4-1-118-final-sources-
- jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java
- * /netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/io/netty/resolver/dns/macos/DnsResolver.java
- * /netty-resolver-dns-classes-macos-4-1-118-final-sources-jar/io/netty/resolver/dns/macos/package-info.java

1.89 micrometer-observation 1.14.4

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1.91 acl 2.3.2-r1

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* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java

* /netty-codec-socks-4-1-118-final-sources-

jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java

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Found in path(s):

```

* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponseDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ClientEncoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java
*
/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/package-info.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ServerEncoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/AbstractSocks5Message.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientEncoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4Message.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequestDecoder.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponseDecoder.java
*
/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/package-info.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerEncoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
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Found in path(s):

```

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java
*

```

```

/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandType.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/package-info.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksMessageEncoder.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCommonUtils.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java
*
/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksResponse.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java
*
/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/SocksMessage.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdRequestDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java
*
/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/package-info.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksRequest.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponseDecoder.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequest.java
* /netty-codec-socks-4-1-118-final-sources-
jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdRequest.java
* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksMessage.java
*

```


/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java

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* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java

*

/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksCmdStatus.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksRequestType.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAuthScheme.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksAddressType.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/SocksVersion.java

*

/netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.java

* /netty-codec-socks-4-1-118-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressType.java

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* Project: <https://codehaus-plexus.github.io/plexus-archiver/>

* Source: <https://github.com/codehaus-plexus/plexus-archiver>

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* Source: http://sourceforge.net/project/showfiles.php?group_id=29449

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* Project: <https://testng.org/doc/index.html>

* Source: <https://github.com/cbeust/testng>

wagon-http-lightweight (3.0.0)

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1.96 coreutils-fmt 9.5-r2

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1.98 alpine-keys 2.5-r0

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pkgname=alpine-keys

pkgver=2.5

pkgrel=0

```
pkgdesc="Public keys for Alpine Linux packages"
url="https://alpinelinux.org"
# we install arch specific keys to /etc so we cannot do arch=noarch
arch="all"
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1.99 cxf-rt-features-logging 4.1.2

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1.100 antlr 4.13.0

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

This file contains the default format ANTLR uses.

*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<id> <text>"

report(location, message, type) ::= "<type>(<message.id>): <location> <message.text>"

wantsSingleLineMessage() ::= "false"

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg

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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
* For now, a simple string match used on x.y of x.y.z scheme.
* Must match Tool.VERSION during load to templates.
*
* REQUIRED.
*/

```

```

javascriptTypeInitMap ::= [
  "bool": "false",
  "int": "0",
  "float": "0.0",
  "str": "",
  default: "{}" // anything
  other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';
<if(file.genListener)>
import <file.grammarName>Listener from './<file.grammarName>Listener.js';
<endif>
<if(file.genVisitor)>

```



```

import <file.grammarName>Visitor from './<file.grammarName>Visitor.js';
<endif>

<namedActions.header>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';

// This class defines a complete listener for a parse tree produced by <file.parserName>.
export default class <file.grammarName>Listener extends antlr4.tree.ParseTreeListener {

<file.listenerNames:{lname |
// Enter a parse tree produced by <file.parserName>#<lname>.
enter<lname; format="cap">(ctx) {
\}

// Exit a parse tree produced by <file.parserName>#<lname>.
exit<lname;
format="cap">(ctx) {
\}

}; separator="\n">

}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';

// This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

export default class <file.grammarName>Visitor extends antlr4.tree.ParseTreeVisitor {

<file.visitorNames:{lname |
// Visit a parse tree produced by <file.parserName>#<lname>.
visit<lname; format="cap">(ctx) {
return this.visitChildren(ctx);
\}

}; separator="\n">

}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
// jshint ignore: start
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>

<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds,
index) );

const sharedContextCache = new antlr4.atn.PredictionContextCache();

export default class <parser.name> extends <superClass; null="antlr4.Parser"> {

  static grammarFileName = "<parser.grammarFileName>";
  static literalNames = [ <parser.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
  static symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
  static ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

  constructor(input) {
    super(input);
    this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
    this.ruleNames = <parser.name>.ruleNames;
    this.literalNames = <parser.name>.literalNames;
    this.symbolicNames = <parser.name>.symbolicNames;
    <namedActions.members>
  }

  <if(sempredFuncs)>
  sempred(localctx, ruleIndex, predIndex) {
    switch(ruleIndex) {
      <parser.sempredFuncs.values:{f
| case <f.ruleIndex>:
      return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
      default:
        throw "No predicate with index:" + ruleIndex;
    }
  }
}

```

```

    <sempredFuncs.values; separator="\n">
    <endif>

    <funcs; separator="\n">

}

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<if(parser.rules)>
<parser.rules:{r | <parser.name>.RULE_<r.name> = <r.index>;}; separator="\n", wrap, anchor>
<endif>

<funcs:{f | <ruleContexts(f)>;}; separator="\n">

<! Define fields of this parser to export the context classes !>
<parser.funcs:{f | <parser.name>.<f.ctxType> = <f.ctxType>; }; separator="\n">

>>

ruleContexts(currentRule) ::= <<
<currentRule.ruleCtx>

<currentRule.altLabelCtxs:{l | <currentRule.altLabelCtxs.(l)>;}; separator="\n">
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action
= function(localctx, ruleIndex, actionIndex) {
switch (ruleIndex) {
<recog.actionFuncs.values:{f|
case <f.ruleIndex>:
this.<f.name>_action(localctx, actionIndex);
break;}; separator="\n">
default:
throw "No registered action for:" + ruleIndex;
}
};

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
switch (ruleIndex) {

```

```

    <recog.sempredFuncs.values:{f| case <f.ruleIndex>:
return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
    default:
        throw "No registered predicate for:" + ruleIndex;
    }
};

```

```

<sempredFuncs.values; separator="\n">
<endif>
>>

```

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleActionFunction(r, actions) ::= <<

```

```

<lexer.name>.prototype.<r.name>_action = function(localctx , actionIndex) {
switch (actionIndex) {
    <actions:{index|
case <index>:
    <actions.(index)>
break;};
separator="\n">
default:
    throw "No registered action for:" + actionIndex;
}
};
>>

```

```

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name>.prototype.<r.name>_sempred =
function<else><r.name>_sempred<endif>(localctx, predIndex) {
switch(predIndex) {
    <actions:{index| case <index>:
return <actions.(index)>;}; separator="\n">
default:
    throw "No predicate with index:" + predIndex;
}
};
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<currentRule.escapedName>(<currentRule.args:{a | <a.escapedName>}; separator=", ">) {
  let localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.escapedName>}>);
  this.enterRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  }<if(exceptions)>
  <exceptions; separator="\n">
  <else> catch (re) {
    if(re instanceof antlr4.error.RecognitionException) {
      localctx.exception = re;
      this._errHandler.reportError(this, re);
      this._errHandler.recover(this, re);
    } else {
      throw re;
    }
  }<endif> finally {
    <finallyAction>
    this.exitRule();
  }
  return localctx;
}

```

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=

<<

```

<currentRule.escapedName>(_p<if(currentRule.args)>, <args:{a | , <a>}><endif>) {
  if(_p===undefined) {
    _p = 0;
  }
  const _parentctx = this._ctx;
  const _parentState = this.state;
  let localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{a | , <a.escapedName>}>);
  let _prevctx
= localctx;
  const _startState = <currentRule.startState>;
  this.enterRecursionRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {

```

```

<code>
<postamble; separator="\n">
<namedActions.after>
} catch( error) {
    if(error instanceof antlr4.error.RecognitionException) {
        localctx.exception = error;
        this._errHandler.reportError(this, error);
        this._errHandler.recover(this, error);
    } else {
        throw error;
    }
} finally {
    <finallyAction>
    this.unrollRecursionContexts(_parentctx)
}
return localctx;
}

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(this, localctx);<endif>
this.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock,
...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = this._input.LT(1);<endif>
<preamble; separator="\n">
switch(this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
    break;}; separator="\n">
default:
    <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
switch (this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
if(<expr>)
{
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
while(<loopExpr>) {
<alts; separator="\n">
this.state = <choice.loopBackStateNumber>;
this._errHandler.sync(this);
<iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
<preamble; separator="\n">
do {
<alts; separator="\n">
this.state = <choice.stateNumber>; <! loopback/exit decision !>
this._errHandler.sync(this);
<iteration>
} while(<loopExpr>);
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
var
  la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
switch(la_) {
  <alts:{alt |
case <i>:
  <alt>
  break;
}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
<alts:{alt |
if(la_==<i><if(!choice.ast.greedy)>+1<endif>) {
  <alt>
}; separator="\n} else ">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx)
while(_alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER) {
  if(_alt==1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <! should only be one !>
  }
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
}
>>

```

```

PlusBlock(choice,
alts, error) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);

```



```

var _alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
  switch (_alt) {
    <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
    break;}; separator="\n">
  default:
    <error>
  }
  this.state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>, this._ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER );
>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "throw new antlr4.error.NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Javascript language spec - shift operators are 32 bits long max
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>)
  & ~0x1f) === 0
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & <bits.calculated>) !== 0)
%>

isZero ::= [
  "0":true,
  default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>

```

```

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>===<t.type>}; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case <t.type>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
this.state = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>this.<r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argE
xprsChunks>);
>>

MatchToken(m) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l
| <labelref(l)> = }><endif>this.match(<parser.name>.<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>this._input.LT(1);<endif>
<capture>
<if(invert)>if(<m.varName>\<=0 || <expr>)<else>if(!(<expr>))<endif> {
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>this._errHandler.recoverInline(this);
}
else {
  this._errHandler.reportMatch(this);
  this.consume();
}
>>

Wildcard(w) ::= <<
this.state = <w.stateNumber>;
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>this.matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```
SemPred(p, chunks, failChunks) ::= <<
this.state = <p.stateNumber>;
if (!( <chunks>)) {
    throw new antlr4.error.FailedPredicateException(this,
    <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>, <p.msg><endif>);
}
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>
```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "this.skip();"
LexerMoreCommand() ::= "this.more();"
LexerPopModeCommand() ::= "this.popMode();"
LexerTypeCommand(arg, grammar) ::= "this._type = <arg>);"
LexerChannelCommand(arg, grammar) ::= "this._channel = <arg>);"
LexerModeCommand(arg, grammar) ::= "this._mode = <arg>);"
LexerPushModeCommand(arg, grammar) ::= "this.pushMode(<arg>);"
```

```
ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.escapedName>"
LocalRef(a) ::= "localctx.<a.escapedName>"
RetValRef(a) ::= "localctx.<a.escapedName>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::=
    "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <rhsChunks>"
```

```
TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"
```

```
TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label> == null ? null : <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> == null ? 0 : <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> == null ? 0 : <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> == null ? 0 : <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> == null ? 0 : <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> == null ? 0 : <ctx(t)>.<t.label>.tokenIndex)"
```

```

TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> == null ? 0 : parseInt(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label> == null ? null : <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r)
::= "<ctx(r)>.<r.label> == null ? null : <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> == null ? null : this._input.getText(new
antlr4.Interval(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "this._input.getText(new antlr4.Interval(localctx.start, this._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "this.getInvokingContext(<s.ruleIndex>).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks) ::= "this.getInvokingContext(<s.ruleIndex>).<s.escapedName> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.push(<labelref(a.label)>);"

TokenDecl(t) ::= "this.<t.escapedName> = null;"
TokenTypeDecl(t) ::= "var <t.escapedName> = 0;"
TokenListDecl(t)
::= "this.<t.escapedName> = [];"
RuleContextDecl(r) ::= "this.<r.escapedName> = null;"
RuleContextListDecl(rdecl) ::= "this.<rdecl.escapedName> = [];"

ContextTokenGetterDecl(t) ::= <<
<t.escapedName>() {
    return this.getToken(<parser.name>.<t.name>, 0);
};
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
<t.escapedName>_list() {
    return this.getTokens(<parser.name>.<t.name>);
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<t.escapedName> = function(i) {
    if(i===undefined) {
        i = null;
    }
    if(i===null) {
        return this.getTokens(<parser.name>.<t.name>);
    }
}

```

```

    } else {
        return this.getToken(<parser.name>.<t.name>, i);
    }
};

>>

ContextRuleGetterDecl(r)    ::= <<
<r.escapedName>() {
    return this.getTypedRuleContext(<r.ctxName>,0);
};
>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
<r.escapedName>_list() {
    return this.getTypedRuleContexts(<parser.name>.<r.ctxName>);
}
>>

ContextRuleListIndexedGetterDecl(r)
    ::= <<
<r.escapedName> = function(i) {
    if(i===undefined) {
        i = null;
    }
    if(i===null) {
        return this.getTypedRuleContexts(<r.ctxName>);
    } else {
        return this.getTypedRuleContext(<r.ctxName>,i);
    }
};
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName)    ::= "_<ruleName>"
ImplicitSetLabel(id)           ::= "_tset<id>"
ListLabelName(label)          ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = this._input.LA(1);"

```

```

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,signatures) ::= <<
class <struct.escapedName> extends
<if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif> {

    constructor(parser, parent, invokingState<struct.ctorAttrs:{a
| , <a.escapedName>}>)> {
        if(parent===undefined) {
            parent = null;
        }
        if(invokingState===undefined || invokingState===null) {
            invokingState = -1;
        }
        super(parent, invokingState);
        this.parser = parser;
        this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;
        <attrs:{a | <a>}; separator="\n">
        <struct.ctorAttrs:{a | this.<a.escapedName> = <a.escapedName> || null;}; separator="\n">
    }

    <getters:{g | <g>}; separator="\n\n">

    <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
    copyFrom(ctx) {
        super.copyFrom(ctx);
        <struct.attrs:{a | this.<a.escapedName> = ctx.<a.escapedName>;}; separator="\n">
    }
    <endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">

}

>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.escapedName> extends <struct.parentRule; format="cap">Context {

    constructor(parser, ctx) {

        super(parser);
        <attrs:{a | <a>}; separator="\n">
        super.copyFrom(ctx);
    }

    <getters:{g | <g>}; separator="\n\n">

    <dispatchMethods; separator="\n">

```

```

}

<! Define fields of this parser to export this struct/context class !>
<parser.name>.<struct.name> = <struct.escapedName>;

>>

ListenerDispatchMethod(method) ::= <<
<if(method.isEnter)>enter<else>exit<endif>Rule(listener) {
    if(listener instanceof <parser.grammarName>Listener ) {
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
    }
}

>>

VisitorDispatchMethod(method) ::= <<
accept(visitor) {
    if ( visitor instanceof <parser.grammarName>Visitor ) {
        return visitor.visit<struct.derivedFromName; format="cap">(this);
    } else {
        return visitor.visitChildren(this);
    }
}

>>

AttributeDecl(d) ::= "this.<d.escapedName> = <if(d.initValue)><d.initValue><else>null<endif>"

/** If we don't know location of label def x, use this template */
labelref(x)
::= "<if(!x.isLocal)>localctx.<endif><x.escapedName>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "this.precpred(this._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "this._ctx.stop = this._input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
localctx = new <ctxName>Context(this, _parentctx, _parentState);
<if(label)>
<if(isListLabel)>
localctx.<label>.push(_prevctx);
<else>

```

```

localctx.<label> = _prevctx;
<endif>
<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = new <currentAltLabel; format="cap">Context(this, new <ruleName; format="cap">Context(this,
_parentctx, _parentState));
<if(label)>
<if(isListLabel)>
localctx.<label>.push(_prevctx);
<else>
localctx.<label>
= _prevctx;
<endif>
<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = new <ctxName>Context(this, localctx);
this._ctx = localctx;
_prevctx = localctx;
>>

recRuleSetPrevCtx() ::= <<
if(this._parseListeners!=null) {
    this.triggerExitRuleEvent();
}
_prevctx = localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
import antlr4 from 'antlr4';

<namedActions.header>

<lexer>

>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';

```



```

<endif>
<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds, index) );

export default class <lexer.name> extends <if(superClass)><superClass><else>antlr4.Lexer<endif>
{

    static grammarFileName = "<lexer.grammarFileName>";
    static channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>,
<lexer.channelNames:{c| "<c>"}; separator=", ", wrap, anchor><endif> ];
    static modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ];
    static literalNames = [ <lexer.literalNames:{t| <t>}; null="null", separator=", ", wrap, anchor> ];
    static symbolicNames = [ <lexer.symbolicNames:{t| <t>}; null="null", separator=", ", wrap, anchor> ];
    static ruleNames = [ <lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor> ];

    constructor(input) {
        super(input)
        this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
antlr4.atn.PredictionContextCache());
        <namedActions.members>
    }
}

<lexer.name>.EOF = antlr4.Token.EOF;
<if(lexer.tokens)>
<lexer.tokens:{k| <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<if(lexer.escapedChannels)>
<lexer.escapedChannels:{c|
<lexer.name>.<c> = <lexer.escapedChannels.(c)>;}; separator="\n">

<endif>
<if(rest(lexer.escapedModeNames))>
<rest(lexer.escapedModeNames):{m| <lexer.name>.<m> = <i>;}; separator="\n">

<endif>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
const serializedATN = [<model.serialized: {s| <s>}; separator=", ", wrap>];

```

>>

```
/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
```

```
initValue(typeName) ::= <<
<javacriptTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".js"
```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg

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```
/*
```

```
[The "BSD licence"]
```

```
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```

```
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```

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```
*/
```

```
/*
```

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the format that mimicks GCC output.

```
*/
```

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<text> [error <id>]"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

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*/

/** The definitive ANTLR v3 tree grammar to walk/visit ANTLR v4 grammars.

* Parses trees created by ANTLRParser.g.

*

* Rather than have multiple tree grammars, one for each visit, I'm

- * creating this generic visitor that knows about context. All of the
- * boilerplate pattern recognition is done here. Then, subclasses can
- * override the methods they care about.

This prevents a lot of the same

- * context tracking stuff like "set current alternative for current
- * rule node" that is repeated in lots of tree filters.

*/

tree grammar GrammarTreeVisitor;

options {

language = Java;

tokenVocab = ANTLRParser;

ASTLabelType = GrammarAST;

}

// Include the copyright in this source and also the generated source

@header {

/*

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*/

package org.antlr.v4.parse;

import org.antlr.v4.Tool;

import org.antlr.v4.tool.*;

```

import org.antlr.v4.tool.ast.*;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Method;
}

@members
{
public String grammarName;
public GrammarAST currentRuleAST;
public String currentModeName = LexerGrammar.DEFAULT_MODE_NAME;
public String currentRuleName;
public GrammarAST currentOuterAltRoot;
public int currentOuterAltNumber = 1; // 1..n
public int rewriteEBNFLevel = 0;

public GrammarTreeVisitor() { this(null); }

// Should be abstract but can't make gen'd parser abstract;
// subclasses should implement else everything goes to stderr!
public ErrorManager getErrorManager() { return null; }

public void visitGrammar(GrammarAST t) { visit(t, "grammarSpec"); }
public void visit(GrammarAST t, String ruleName) {
    CommonTreeNodeStream nodes = new CommonTreeNodeStream(new GrammarASTAdaptor(), t);
    setTreeNodeStream(nodes);
    try {
        Method m = getClass().getMethod(ruleName);
        m.invoke(this);
    }
    catch (Throwable e) {
        ErrorManager errMgr = getErrorManager();
        if ( e instanceof InvocationTargetException ) {
            e = e.getCause();
        }
        //e.printStackTrace(System.err);
        if
        ( errMgr==null ) {
            System.err.println("can't find rule "+ruleName+
                " or tree structure error: "+t.toStringTree()
            );
            e.printStackTrace(System.err);
        }
        else errMgr.toolError(ErrorType.INTERNAL_ERROR, e);
    }
}

public void discoverGrammar(GrammarRootAST root, GrammarAST ID) { }
public void finishPrequels(GrammarAST firstPrequel) { }

```

```

public void finishGrammar(GrammarRootAST root, GrammarAST ID) { }

public void grammarOption(GrammarAST ID, GrammarAST valueAST) { }
public void ruleOption(GrammarAST ID, GrammarAST valueAST) { }
public void blockOption(GrammarAST ID, GrammarAST valueAST) { }
public void defineToken(GrammarAST ID) { }
public void defineChannel(GrammarAST ID) { }
public void globalNamedAction(GrammarAST scope, GrammarAST ID, ActionAST action) { }
public void importGrammar(GrammarAST label, GrammarAST ID) { }

public void modeDef(GrammarAST m, GrammarAST ID) { }

public void discoverRules(GrammarAST rules) { }
public void finishRules(GrammarAST
    rule) { }
public void discoverRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    ActionAST arg, ActionAST returns, GrammarAST thrws,
    GrammarAST options, ActionAST locals,
    List<GrammarAST> actions,
    GrammarAST block) { }
public void finishRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void discoverLexerRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers, GrammarAST
    options,
        GrammarAST block) { }
public void finishLexerRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void ruleCatch(GrammarAST arg, ActionAST action) { }
public void finallyAction(ActionAST action) { }
public void discoverOuterAlt(AltAST alt) { }
public void finishOuterAlt(AltAST alt) { }
public void discoverAlt(AltAST alt) { }
public void finishAlt(AltAST alt) { }

public void ruleRef(GrammarAST ref, ActionAST arg) { }
public void tokenRef(TerminalAST ref) { }
public void elementOption(GrammarASTWithOptions t,
    GrammarAST ID, GrammarAST valueAST) { }
public void stringRef(TerminalAST ref) { }
public void wildcardRef(GrammarAST ref) { }
public void actionInAlt(ActionAST action) { }
public void sempredInAlt(PredAST pred) { }
public void label(GrammarAST op, GrammarAST ID, GrammarAST element) { }
public void lexerCallCommand(int outerAltNumber, GrammarAST ID, GrammarAST arg) { }
public void lexerCommand(int outerAltNumber, GrammarAST ID) { }

protected void enterGrammarSpec(GrammarAST tree) { }
protected void exitGrammarSpec(GrammarAST tree) { }

protected void enterPrequelConstructs(GrammarAST tree) { }

```

protected void exitPrequelConstructs(GrammarAST tree) { }

protected void enterPrequelConstruct(GrammarAST tree) { }

protected void exitPrequelConstruct(GrammarAST tree) { }

protected void enterOptionsSpec(GrammarAST tree) { }

protected void exitOptionsSpec(GrammarAST tree) { }

protected void enterOption(GrammarAST tree) { }

protected void exitOption(GrammarAST tree) { }

protected void enterOptionValue(GrammarAST
tree) { }

protected void exitOptionValue(GrammarAST tree) { }

protected void enterDelegateGrammars(GrammarAST tree) { }

protected void exitDelegateGrammars(GrammarAST tree) { }

protected void enterDelegateGrammar(GrammarAST tree) { }

protected void exitDelegateGrammar(GrammarAST tree) { }

protected void enterTokensSpec(GrammarAST tree) { }

protected void exitTokensSpec(GrammarAST tree) { }

protected void enterTokenSpec(GrammarAST tree) { }

protected void exitTokenSpec(GrammarAST tree) { }

protected void enterChannelsSpec(GrammarAST tree) { }

protected void exitChannelsSpec(GrammarAST tree) { }

protected void enterChannelSpec(GrammarAST tree) { }

protected void exitChannelSpec(GrammarAST tree) { }

protected void enterAction(GrammarAST tree) { }

protected void exitAction(GrammarAST tree) { }

protected void enterRules(GrammarAST tree) { }

protected void exitRules(GrammarAST tree) { }

protected void enterMode(GrammarAST tree) { }

protected void exitMode(GrammarAST
tree) { }

protected void enterLexerRule(GrammarAST tree) { }

protected void exitLexerRule(GrammarAST tree) { }

protected void enterRule(GrammarAST tree) { }

protected void exitRule(GrammarAST tree) { }

```
protected void enterExceptionGroup(GrammarAST tree) { }
protected void exitExceptionGroup(GrammarAST tree) { }

protected void enterExceptionHandler(GrammarAST tree) { }
protected void exitExceptionHandler(GrammarAST tree) { }

protected void enterFinallyClause(GrammarAST tree) { }
protected void exitFinallyClause(GrammarAST tree) { }

protected void enterLocals(GrammarAST tree) { }
protected void exitLocals(GrammarAST tree) { }

protected void enterRuleReturns(GrammarAST tree) { }
protected void exitRuleReturns(GrammarAST tree) { }

protected void enterThrowsSpec(GrammarAST tree) { }
protected void exitThrowsSpec(GrammarAST tree) { }

protected void enterRuleAction(GrammarAST tree) { }
protected void exitRuleAction(GrammarAST tree) { }

protected void enterRuleModifier(GrammarAST
tree) { }
protected void exitRuleModifier(GrammarAST tree) { }

protected void enterLexerRuleBlock(GrammarAST tree) { }
protected void exitLexerRuleBlock(GrammarAST tree) { }

protected void enterRuleBlock(GrammarAST tree) { }
protected void exitRuleBlock(GrammarAST tree) { }

protected void enterLexerOuterAlternative(AltAST tree) { }
protected void exitLexerOuterAlternative(AltAST tree) { }

protected void enterOuterAlternative(AltAST tree) { }
protected void exitOuterAlternative(AltAST tree) { }

protected void enterLexerAlternative(GrammarAST tree) { }
protected void exitLexerAlternative(GrammarAST tree) { }

protected void enterLexerElements(GrammarAST tree) { }
protected void exitLexerElements(GrammarAST tree) { }

protected void enterLexerElement(GrammarAST tree) { }
protected void exitLexerElement(GrammarAST tree) { }

protected void enterLexerBlock(GrammarAST tree) { }
```



```

protected void exitLexerBlock(GrammarAST tree) { }

protected void enterLexerAtom(GrammarAST tree) { }
protected
void exitLexerAtom(GrammarAST tree) { }

protected void enterActionElement(GrammarAST tree) { }
protected void exitActionElement(GrammarAST tree) { }

protected void enterAlternative(AltAST tree) { }
protected void exitAlternative(AltAST tree) { }

protected void enterLexerCommand(GrammarAST tree) { }
protected void exitLexerCommand(GrammarAST tree) { }

protected void enterLexerCommandExpr(GrammarAST tree) { }
protected void exitLexerCommandExpr(GrammarAST tree) { }

protected void enterElement(GrammarAST tree) { }
protected void exitElement(GrammarAST tree) { }

protected void enterAstOperand(GrammarAST tree) { }
protected void exitAstOperand(GrammarAST tree) { }

protected void enterLabeledElement(GrammarAST tree) { }
protected void exitLabeledElement(GrammarAST tree) { }

protected void enterSubrule(GrammarAST tree) { }
protected void exitSubrule(GrammarAST tree) { }

protected void enterLexerSubrule(GrammarAST tree) { }
protected void exitLexerSubrule(GrammarAST tree) { }

protected
void enterBlockSuffix(GrammarAST tree) { }
protected void exitBlockSuffix(GrammarAST tree) { }

protected void enterEbnfSuffix(GrammarAST tree) { }
protected void exitEbnfSuffix(GrammarAST tree) { }

protected void enterAtom(GrammarAST tree) { }
protected void exitAtom(GrammarAST tree) { }

protected void enterBlockSet(GrammarAST tree) { }
protected void exitBlockSet(GrammarAST tree) { }

protected void enterSetElement(GrammarAST tree) { }
protected void exitSetElement(GrammarAST tree) { }

```

```

protected void enterBlock(GrammarAST tree) { }
protected void exitBlock(GrammarAST tree) { }

protected void enterRuleref(GrammarAST tree) { }
protected void exitRuleref(GrammarAST tree) { }

protected void enterRange(GrammarAST tree) { }
protected void exitRange(GrammarAST tree) { }

protected void enterTerminal(GrammarAST tree) { }
protected void exitTerminal(GrammarAST tree) { }

protected void enterElementOptions(GrammarAST tree) { }
protected void exitElementOptions(GrammarAST tree) {
}

protected void enterElementOption(GrammarAST tree) { }
protected void exitElementOption(GrammarAST tree) { }

@Override
public void traceIn(String ruleName, int ruleIndex) {
    System.err.println("enter "+ruleName+": "+input.LT(1));
}

@Override
public void traceOut(String ruleName, int ruleIndex) {
    System.err.println("exit "+ruleName+": "+input.LT(1));
}
}

grammarSpec
@init {
    enterGrammarSpec($start);
}
@after {
    exitGrammarSpec($start);
}
: ^( GRAMMAR ID {grammarName=$ID.text;}
    {discoverGrammar((GrammarRootAST)$GRAMMAR, $ID);}
    prequelConstructs
    {finishPrequels($prequelConstructs.firstOne);}
    rules mode*
    {finishGrammar((GrammarRootAST)$GRAMMAR, $ID);}
)
;

prequelConstructs returns [GrammarAST firstOne=null]

```

```

@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
: {$firstOne=$start;} prequelConstruct+
|
;

prequelConstruct
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
:
    optionsSpec
    | delegateGrammars
    | tokensSpec
    | channelsSpec
    | action
    ;

optionsSpec
@init {
    enterOptionsSpec($start);
}
@after {
    exitOptionsSpec($start);
}
: ^(OPTIONS option*)
;

option
@init {
    enterOption($start);
    boolean rule = inContext("RULE ...");
    boolean block = inContext("BLOCK ...");
}
@after {
    exitOption($start);
}
: ^(a=ASSIGN ID v=optionValue)
{
    if ( block ) blockOption($ID, $v.start); // most specific first
    else if ( rule ) ruleOption($ID, $v.start);
}

```

```

        else grammarOption($ID, $v.start);
    }
;

optionValue returns [String v]
@init {
    enterOptionValue($start);
    $v = $start.token.getText();
}
@after {
    exitOptionValue($start);
}
: ID
| STRING_LITERAL
| INT
;

delegateGrammars
@init {
    enterDelegateGrammars($start);
}
@after {
    exitDelegateGrammars($start);
}
: ^(IMPORT delegateGrammar+)
;

delegateGrammar
@init {
    enterDelegateGrammar($start);
}
@after {
    exitDelegateGrammar($start);
}
: ^(ASSIGN label=ID id=ID) {importGrammar($label, $id);}
| id=ID    {importGrammar(null, $id);}
;

tokensSpec
@init {
    enterTokensSpec($start);
}
@after {
    exitTokensSpec($start);
}
: ^(TOKENS_SPEC tokenSpec+)
;

```

```

tokenSpec
@init {
    enterTokenSpec($start);
}
@after {
    exitTokenSpec($start);
}
: ID    {defineToken($ID);}
;

```

```

channelsSpec
@init {
    enterChannelsSpec($start);
}
@after {
    exitChannelsSpec($start);
}
: ^(CHANNELS channelSpec+)
;

```

```

channelSpec
@init {
    enterChannelSpec($start);
}
@after {
    exitChannelSpec($start);
}
: ID    {defineChannel($ID);}
;

```

```

action
@init {
    enterAction($start);
}
@after {
    exitAction($start);
}
: ^(AT sc=ID? name=ID ACTION) {globalNamedAction($sc, $name, (ActionAST)$ACTION);}
;

```

```

rules
@init {
    enterRules($start);
}
@after {
    exitRules($start);
}
: ^(RULES {discoverRules($RULES);} (rule|lexerRule)* {finishRules($RULES);})

```

```

;

mode
@init {
    enterMode($start);
}
@after {
    exitMode($start);
}
: ^(
    MODE ID {currentModeName=$ID.text; modeDef($MODE, $ID);} lexerRule* )
;

lexerRule
@init {
    enterLexerRule($start);
    List<GrammarAST> mods = new ArrayList<GrammarAST>();
    currentOuterAltNumber=0;
}
@after {
    exitLexerRule($start);
}
: ^( RULE TOKEN_REF
    {currentRuleName=$TOKEN_REF.text; currentRuleAST=$RULE;}
    (^ (RULEMODIFIERS m=FRAGMENT {mods.add($m);}))?
    opts=optionsSpec*
    {discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, $opts.start, (GrammarAST)input.LT(1));}
    lexerRuleBlock
    {
        finishLexerRule((RuleAST)$RULE, $TOKEN_REF, $lexerRuleBlock.start);
        currentRuleName=null; currentRuleAST=null;
    }
    )
;

rule
@init {
    enterRule($start);
    List<GrammarAST> mods = new ArrayList<GrammarAST>();
    List<GrammarAST> actions = new ArrayList<GrammarAST>(); // track roots
    currentOuterAltNumber=0;
}
@after {
    exitRule($start);
}
: ^( RULE RULE_REF {currentRuleName=$RULE_REF.text; currentRuleAST=$RULE;}
    (^ (RULEMODIFIERS (m=ruleModifier{mods.add($m.start);})+))?
    ARG_ACTION?

```

```

    ret=ruleReturns?
    thr=throwsSpec?
    loc=locals?
    ( opts=optionsSpec
    | a=ruleAction {actions.add($a.start);}
    )*
    {discoverRule((RuleAST)$RULE, $RULE_REF, mods, (ActionAST)$ARG_ACTION,
        $ret.start!=null?(ActionAST)$ret.start.getChild(0):null,
        $thr.start, $opts.start,
        $loc.start!=null?(ActionAST)$loc.start.getChild(0):null,
        actions, (GrammarAST)input.LT(1));}
    ruleBlock exceptionGroup
    {finishRule((RuleAST)$RULE, $RULE_REF, $ruleBlock.start); currentRuleName=null; currentRuleAST=null;}
    )
;

exceptionGroup
@init {
    enterExceptionGroup($start);
}
@after {
    exitExceptionGroup($start);
}
: exceptionHandler* finallyClause?
;

exceptionHandler
@init {
    enterExceptionHandler($start);
}
@after {
    exitExceptionHandler($start);
}
: ^(CATCH ARG_ACTION ACTION) {ruleCatch($ARG_ACTION, (ActionAST)$ACTION);}
;

finallyClause
@init
{
    enterFinallyClause($start);
}
@after {
    exitFinallyClause($start);
}
: ^(FINALLY ACTION) {finallyAction((ActionAST)$ACTION);}
;

locals

```

```

@init {
    enterLocals($start);
}
@after {
    exitLocals($start);
}
: ^(LOCALS ARG_ACTION)
;

```

```

ruleReturns
@init {
    enterRuleReturns($start);
}
@after {
    exitRuleReturns($start);
}
: ^(RETURNS ARG_ACTION)
;

```

```

throwsSpec
@init {
    enterThrowsSpec($start);
}
@after {
    exitThrowsSpec($start);
}
: ^(THROWS ID+)
;

```

```

ruleAction
@init {
    enterRuleAction($start);
}
@after {
    exitRuleAction($start);
}
: ^(AT ID ACTION)
;

```

```

ruleModifier
@init {
    enterRuleModifier($start);
}
@after {
    exitRuleModifier($start);
}
: PUBLIC
| PRIVATE

```



```

| PROTECTED
| FRAGMENT
;

lexerRuleBlock
@init {
  enterLexerRuleBlock($start);
}
@after {
  exitLexerRuleBlock($start);
}
: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  lexerOuterAlternative
  )+
  )
;

ruleBlock
@init
{
  enterRuleBlock($start);
}
@after {
  exitRuleBlock($start);
}
: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  outerAlternative
  )+
  )
;

lexerOuterAlternative
@init {
  enterLexerOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitLexerOuterAlternative((AltAST)$start);
}

```

: lexerAlternative

;

outerAlternative

@init {

enterOuterAlternative((AltAST)\$start);

discoverOuterAlt((AltAST)\$start);

}

@after {

finishOuterAlt((AltAST)\$start);

exitOuterAlternative((AltAST)\$start);

}

: alternative

;

lexerAlternative

@init {

enterLexerAlternative(\$start);

}

@after {

exitLexerAlternative(\$start);

}

: ^(LEXER_ALT_ACTION lexerElements lexerCommand+)

| lexerElements

;

lexerElements

@init {

enterLexerElements(\$start);

}

@after {

exitLexerElements(\$start);

}

: ^(ALT lexerElement+)

;

lexerElement

@init {

enterLexerElement(\$start);

}

@after

{

exitLexerElement(\$start);

}

: lexerAtom

| lexerSubrule

| ACTION {actionInAlt((ActionAST)\$ACTION);}

```

| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}
| ^ (ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^ (SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| EPSILON
;

```

lexerBlock

```

@init {
    enterLexerBlock($start);
}
@after {
    exitLexerBlock($start);
}
: ^ (BLOCK optionsSpec? lexerAlternative+)
;

```

lexerAtom

```

@init {
    enterLexerAtom($start);
}
@after {
    exitLexerAtom($start);
}
: terminal
| ^ (NOT blockSet)
| blockSet
| ^ (WILDCARD elementOptions)
| WILDCARD
| LEXER_CHAR_SET
| range
| ruleref
;

```

actionElement

```

@init {
    enterActionElement($start);
}
@after {
    exitActionElement($start);
}
: ACTION
| ^ (ACTION elementOptions)
| SEMPRED
| ^ (SEMPRED elementOptions)
;

```

alternative

```

@init {

```

```

enterAlternative((AltAST)$start);
discoverAlt((AltAST)$start);
}
@after {
finishAlt((AltAST)$start);
exitAlternative((AltAST)$start);
}
: ^(ALT
elementOptions? element+)
| ^(ALT elementOptions? EPSILON)
;

lexerCommand
@init {
enterLexerCommand($start);
}
@after {
exitLexerCommand($start);
}
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
{lexerCallCommand(currentOuterAltNumber, $ID, $lexerCommandExpr.start);}
| ID
{lexerCommand(currentOuterAltNumber, $ID);}
;

lexerCommandExpr
@init {
enterLexerCommandExpr($start);
}
@after {
exitLexerCommandExpr($start);
}
: ID
| INT
;

element
@init {
enterElement($start);
}
@after {
exitElement($start);
}
: labeledElement
| atom
| subrule
| ACTION {actionInAlt((ActionAST)$ACTION);}
| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}

```

```

| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| range
| ^(NOT blockSet)
| ^(NOT block)
;

astOperand
@init {
  enterAstOperand($start);
}
@after {
  exitAstOperand($start);
}
: atom
| ^(NOT
blockSet)
| ^(NOT block)
;

labeledElement
@init {
  enterLabeledElement($start);
}
@after {
  exitLabeledElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID element) {label($start, $ID, $element.start);}
;

subrule
@init {
  enterSubrule($start);
}
@after {
  exitSubrule($start);
}
: ^(blockSuffix block)
| block
;

lexerSubrule
@init {
  enterLexerSubrule($start);
}
@after {
  exitLexerSubrule($start);
}

```

```
: ^(blockSuffix lexerBlock)
| lexerBlock
;
```

```
blockSuffix
@init {
  enterBlockSuffix($start);
}
@after {
  exitBlockSuffix($start);
}
: ebnfSuffix
;
```

```
ebnfSuffix
@init {
  enterEbnfSuffix($start);
}
@after {
  exitEbnfSuffix($start);
}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;
```

```
atom
@init {
  enterAtom($start);
}
@after {
  exitAtom($start);
}
: ^(DOT ID terminal)
| ^(DOT ID ruleref)
| ^(WILDCARD elementOptions) {wildcardRef($WILDCARD);}
| WILDCARD {wildcardRef($WILDCARD);}
| terminal
| blockSet
| ruleref
;
```

```
blockSet
@init
{
  enterBlockSet($start);
}
@after {
```

```

exitBlockSet($start);
}
: ^(SET setElement+)
;

setElement
@init {
    enterSetElement($start);
}
@after {
    exitSetElement($start);
}
: ^(STRING_LITERAL elementOptions) {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{
    stringRef((TerminalAST)$a);
    stringRef((TerminalAST)$b);
}
| LEXER_CHAR_SET
;

block
@init {
    enterBlock($start);
}
@after {
    exitBlock($start);
}
: ^(BLOCK optionsSpec? ruleAction* ACTION? alternative+)
;

ruleref
@init {
    enterRuleref($start);
}
@after {
    exitRuleref($start);
}
: ^(RULE_REF arg=ARG_ACTION? elementOptions?)
{
    ruleRef($RULE_REF, (ActionAST)$ARG_ACTION);
    if ( $arg!=null ) actionInAlt((ActionAST)$arg);
}
;

```

```

range
@init {
    enterRange($start);
}
@after {
    exitRange($start);
}
: ^(RANGE STRING_LITERAL STRING_LITERAL)
;

terminal
@init {
    enterTerminal($start);
}
@after {
    exitTerminal($start);
}
: ^(STRING_LITERAL elementOptions)
    {stringRef((TerminalAST)$STRING_LITERAL);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}
;

elementOptions
@init {
    enterElementOptions($start);
}
@after {
    exitElementOptions($start);
}
: ^(ELEMENT_OPTIONS elementOption[(GrammarASTWithOptions)$start.getParent()]*)
;

elementOption[GrammarASTWithOptions t]
@init {
    enterElementOption($start);
}
@after {
    exitElementOption($start);
}
: ID {elementOption(t, $ID, null);}
| ^(ASSIGN id=ID v=ID) {elementOption(t, $id, $v);}
| ^(ASSIGN ID v=STRING_LITERAL) {elementOption(t, $ID, $v);}
| ^(ASSIGN
ID v=ACTION) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=INT) {elementOption(t, $ID, $v);}
;

```


Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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*/

```

```

phpTypeInitMap ::= [
    "int": "0",
    "long": "0",
    "float": "0.0",
    "double": "0.0",
    "boolean": "false",
    default: "null"
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeListener;

/**

```

```

* This interface defines a complete listener for a parse tree produced by
* {@see <file.parserName>}.
*/
interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
* Enter a parse tree produced by the `<lname>`
* labeled alternative in {@see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()}.
<else>
* Enter a parse tree produced by {@see <file.parserName>::<lname>()}.
<endif>
* @param $context The parse tree.
*/
public function enter<lname; format="cap">(Context\\<lname; format="cap">Context $context): void;
/**
<if(file.listenerLabelRuleNames.(lname))>
* Exit a parse tree produced by the `<lname>` labeled alternative
* in {@see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()}.
<else>
* Exit a parse
tree produced by {@see <file.parserName>::<lname>()}.
<endif>
* @param $context The parse tree.
*/
public function exit<lname; format="cap">(Context\\<lname; format="cap">Context $context): void;};
separator="\n"
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>

```

```

use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
use Antlr\\Antlr4\\Runtime\\Tree\\ErrorNode;
use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;

```

```

/**
* This class provides an empty implementation of {@see <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle a subset
* of the available methods.
*/
class <file.grammarName>BaseListener implements <file.grammarName>Listener
{

```

```

<file.listenerNames:{lname |
/**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function enter<lname; format="cap">(Context\<lname; format="cap">Context
    $context): void {\}

/**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function exit<lname; format="cap">(Context\<lname; format="cap">Context $context): void {\});
separator="\n">

/**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function enterEveryRule(ParserRuleContext $context): void {}

/**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function exitEveryRule(ParserRuleContext $context): void {}

/**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function visitTerminal(TerminalNode $node): void {}

/**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function visitErrorNode(ErrorNode $node): void {}
}
>>

```

```

VisitorFile(file, header, namedActions) ::= <<

```

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>

<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced by {@see <file.parserName>}.
 */
interface <file.grammarName>Visitor extends ParseTreeVisitor
{
    <file.visitorNames:{lname |
/**
    <if(file.visitorLabelRuleNames.(lname))>
    * Visit a parse tree produced by the `<lname>` labeled alternative
    * in {@see <file.parserName>::<file.visitorLabelRuleNames.(lname)>()}.
    <else>
    * Visit a parse tree produced by {@see <file.parserName>::<lname>()}.
    <endif>
    *
    * @param Context\<lname; format="cap">Context $context The parse tree.
    *
    * @return mixed The visitor result.
    */
    public function visit<lname; format="cap">(Context\<lname; format="cap">Context $context);};
    separator="\n\n"
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\AbstractParseTreeVisitor;

/**
 * This class provides an
 * empty implementation of {@see <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 */
class <file.grammarName>BaseVisitor extends AbstractParseTreeVisitor implements <file.grammarName>Visitor
{
    <file.visitorNames:{lname |

```

```

/**
 * {@inheritdoc\}
 *
 * The default implementation returns the result of calling
 * {@see self::visitChildren()\} on `context`.
 */
public function visit<Iname; format="cap">(Context\<Iname; format="cap">Context $context)
{
    return $this->visitChildren($context);
\}}; separator="\n\n">
}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
\<?php

```

```

/*
 * Generated from <grammarFileName> by ANTLR <ANTLRVersion>
 */

```

```

>>
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
namespace<if(file.genPackage)> <file.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
use
Antlr\Antlr4\Runtime\Atn\ATN;
use Antlr\Antlr4\Runtime\Atn\ATNDeserializer;
use Antlr\Antlr4\Runtime\Atn\ParserATNSimulator;
use Antlr\Antlr4\Runtime\Dfa\DFA;
use Antlr\Antlr4\Runtime\Error\Exceptions\FailedPredicateException;
use Antlr\Antlr4\Runtime\Error\Exceptions\NoViableAltException;
use Antlr\Antlr4\Runtime\PredictionContexts\PredictionContextCache;
use Antlr\Antlr4\Runtime\Error\Exceptions\RecognitionException;
use Antlr\Antlr4\Runtime\RuleContext;
use Antlr\Antlr4\Runtime\Token;
use Antlr\Antlr4\Runtime\TokenStream;
use Antlr\Antlr4\Runtime\Vocabulary;
use Antlr\Antlr4\Runtime\VocabularyImpl;
use Antlr\Antlr4\Runtime\RuntimeMetaData;
use Antlr\Antlr4\Runtime\Parser;
<if(namedActions.definitions)><namedActions.definitions><endif>

```

```

final class <parser.name> extends <superClass; null="Parser">
{

```

```

<if(parser.tokens)>
public const <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=",
", wrap, anchor>;
<endif>

<if(parser.rules)>
public const <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>

/**
 * @var array<string>
 */
public const RULE_NAMES = [
<parser.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(parser.literalNames, parser.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

<namedActions.members>
<endif>

<parser:(ctor)()>

private static function initialize(): void
{
if (self::$atn !== null) {
return;
}

RuntimeMetaData::checkVersion('<file.ANTLRVersion>', RuntimeMetaData::VERSION);

$atn = (new ATNDeserializer())->deserialize(self::SERIALIZED_ATN);

$decisionToDFA = [];
for ($i = 0, $count = $atn->getNumberOfDecisions(); $i < $count; $i++) {
$decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
}

self::$atn = $atn;
self::$decisionToDFA

```

```

= $decisionToDFA;
self::$sharedContextCache = new PredictionContextCache();
}

public function getGrammarFileName(): string
{
    return "<parser.grammarFileName>";
}

public function getRuleNames(): array
{
    return self::RULE_NAMES;
}

public function getSerializedATN(): array
{
    return self::SERIALIZED_ATN;
}

public function getATN(): ATN
{
    return self::$satn;
}

public function getVocabulary(): Vocabulary
{
    static $vocabulary;

    return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}
<if(funcs)>

    <funcs; separator="\n\n">
<endif>
<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex): bool
{
    switch ($ruleIndex) {
        <parser.sempredFuncs.values:{f}
        case <f.ruleIndex>:
            return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">

    default:
        return
true;
    }
}

```



```

    <sempredFuncs.values; separator="\n\n">
<endif>
}
}

namespace <if(file.genPackage)><file.genPackage>\<endif>Context {
    use Antlr\Antlr4\Runtime\ParserRuleContext;
    use Antlr\Antlr4\Runtime\Token;
    use Antlr\Antlr4\Runtime\Tree\ParseTreeVisitor;
    use Antlr\Antlr4\Runtime\Tree\TerminalNode;
    use Antlr\Antlr4\Runtime\Tree\ParseTreeListener;
    use <if(file.genPackage)><file.genPackage>\<endif><parser.name>;
    <if (file.genVisitor)>use <if(file.genPackage)><file.genPackage>\<endif><file.grammarName>Visitor;<endif>
    <if (file.genListener)>use <if(file.genPackage)><file.genPackage>\<endif><file.grammarName>Listener;<endif>
    <namedActions.contexts>

    <funcs :{ func | <func.ruleCtx><if(func.altLabelCtxs)>

<func.altLabelCtxs:{l | <func.altLabelCtxs.(l)>}; separator="\n\n"><endif> }; separator="\n\n">
    }
>>

vocabulary(literalNames, symbolicNames) ::= <<
/**
 * @var array<string|null>
 */
private const LITERAL_NAMES = [
    <literalNames:{t | <t>}; null="null",
    separator=", ", wrap, anchor>
];

/**
 * @var array<string>
 */
private const SYMBOLIC_NAMES = [
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>

public function action(?RuleContext $localContext, int $ruleIndex, int $actionIndex): void
{
    switch ($ruleIndex) {
        <recog.actionFuncs.values:{f|
        case <f.ruleIndex>:

```

```

    $this->action<f.name; format="cap">($localContext, $actionIndex);
    break;}; separator="\n\n">
}
}

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex): bool
{
    switch ($ruleIndex) {
    <recog.sempredFuncs.values:{f|
    case <f.ruleIndex>:
        return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">
    }

    return true;
}
<sempredFuncs.values; separator="\n\n">
<endif>
>>

parser_ctor(p) ::= <<
public function __construct(TokenStream
    $input)
{
    parent::__construct($input);

    self::initialize();

    $this->interp = new ParserATNSimulator($this, self::$satn, self::$decisionToDFA, self::$sharedContextCache);
}
>>

/**
 * This generates a private method since the actionIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<
private function action<r.name; format="cap">(?<r.ctxType> $localContext, int $actionIndex): void
{
    switch ($actionIndex) {
    <actions:{index|
    case <index>:
    <actions.(index)>

    break;}; separator="\n\n">

```

```

}
}
>>

/**
 * This generates a private method since the predicateIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
private function sempred<r.name; format="cap">(?Context\\<r.ctxType> $localContext, int $predicateIndex): bool
{
  switch ($predicateIndex) {
    <actions: {index|
      case <index>:
        return <actions.(index)>;}; separator="\n\n">
  }

  return
  true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,exceptions,postamble)
::= <<
/**
 * @throws RecognitionException
 */
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">): Context\\<currentRule.ctxType>
{
  $localContext = new Context\\<currentRule.ctxType>($this->ctx, $this->getState())<currentRule.args:{a | ,
$a.name}>>};

  $this->enterRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">

  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  }<if(exceptions)><exceptions; separator="\n"><else> catch (RecognitionException $exception) {
    $localContext->exception = $exception;
    $this->errorHandler->reportError($this, $exception);
    $this->errorHandler->recover($this, $exception);
  }<endif> finally {

```

```

        <finallyAction>
        $this->exitRule();
    }

    return $localContext;
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamb
le) ::= <<
/**
 * @throws RecognitionException
 */
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">): Context\\<currentRule.ctxType>
{
    return $this->recursive<currentRule.name; format="cap">(0<currentRule.args:{a | , <a.name>}>);
}

/**
 * @throws RecognitionException
 */
private function recursive<currentRule.name; format="cap">(int $precedence<args:{a | , <a>}>):
Context\\<currentRule.ctxType>
{
    $parentContext = $this->ctx;
    $parentState = $this->getState();
    $localContext = new Context\\<currentRule.ctxType>($this->ctx, $parentState<currentRule.args:{a | ,
<a.name>}>);
    $previousContext = $localContext;
    $startState = <currentRule.startState>;
    $this->enterRecursionRule($localContext, <currentRule.startState>,
self::RULE_<currentRule.name>, $precedence);
    <namedActions.init>
    <locals; separator="\n">

    try {
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    } catch (RecognitionException $exception) {
        $localContext->exception = $exception;
        $this->errorHandler->reportError($this, $exception);
        $this->errorHandler->recover($this, $exception);
    } finally {
        <finallyAction>
        $this->unrollRecursionContexts($parentContext);
    }
}

```

```

return $localContext;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>$localContext = new
Context\<currentOuterMostAltCodeBlock.altLabel; format="cap">Context($localContext);<endif>
$this->enterOuterAlt($localContext, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice,
preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

```

```

switch ($this->input->LA(1)) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
<alt>
break;}; separator="\n\n">

```

```

default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

```

```

switch ($this->input->LA(1)) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
<alt>
break;}; separator="\n\n">

```

```

default:
break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<preamble; separator="\n">

if (<expr>) {
    <alts; separator="\n">
}
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

<preamble;
separator="\n">
while (<loopExpr>) {
    <alts; separator="\n">
    $this->setState(<choice.loopBackStateNumber>);
    $this->errorHandler->sync($this);
    <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);

<preamble; separator="\n">
do {
    <alts; separator="\n">
    $this->setState(<choice.stateNumber>); <! loopback/exit decision !>
    $this->errorHandler->sync($this);
    <iteration>
} while (<loopExpr>);
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

```

```

switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
    <alts:{ alt |

```

```

case <i>:
  <alt>
break;}; separator="\n\n">
}
>>

```

```

OptionalBlock(choice,
  alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

```

```

switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
<alts:{alt |
  case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
break;}; separator="\n\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

```

```

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);

```

```

while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER) {
  if ($alt === 1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <! should only be one !>
  }
}

```

```

$this->setState(<choice.loopBackStateNumber>);
$this->errorHandler->sync($this);

```

```

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);

```

```

$alt
= 1<if(!choice.ast.greedy)>+1<endif>;

```

```

do {
  switch ($alt) {
    <alts:{alt|

```

```

case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n\n">
  default:
    <error>
  }

$this->setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
} while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException($this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) === 0
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName,
bits.shift)>})> && ((1 \<< <offsetShiftVar(s.varName, bits.shift)>) & <bits.calculated>) !== 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>($<shiftAmount> - <offset>)<else>$<shiftAmount><endif>
%>

offsetShiftConst(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(self::<shiftAmount> - <offset>)<else>self::<shiftAmount><endif>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | $<s.varName> === self::<t.name>}; separator=" || ">
%>

```



```

cases(tokens) ::= <<
<tokens:{t | case self::<t.name>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
$this->setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> = }><endif>$this-><if(r.ast.options.p)>recursive<r.name>;
format="cap"><else><r.name><endif>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif>
<argExprsChunks>);
>>

MatchToken(m) ::= <<
$this->setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l
| <labelref(l)> = }><endif>$this->match(self::<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
$this->setState(<m.stateNumber>);

<if(m.labels)><m.labels:{l | <labelref(l)> = }>$this->input->LT(1);<endif>
<capture>

if (<if(invert)>$<m.varName> \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>$this->errorHandler->recoverInline($this);
} else {
    if ($this->input->LA(1) === Token::EOF) {
        $this->matchedEOF = true;
    }

    $this->errorHandler->reportMatch($this);
    $this->consume();
}
>>

Wildcard(w) ::= <<
$this->setState(<w.stateNumber>);
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>$this->matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
$this->setState(<p.stateNumber>);

if
  (!(<chunks>)) {
    throw new FailedPredicateException($this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
    <p.msg><endif>);
  }
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "$this->skip();"
LexerMoreCommand() ::= "$this->more();"
LexerPopModeCommand() ::= "$this->popMode();"

LexerTypeCommand(arg, grammar) ::= "$this->type = <arg>);"
LexerChannelCommand(arg, grammar) ::= "$this->channel = <arg>);"
LexerModeCommand(arg, grammar) ::= "$this->mode = <arg>);"
LexerPushModeCommand(arg, grammar) ::= "$this->pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "$localContext-><a.name>"
LocalRef(a) ::= "$localContext-><a.name>"
RetValRef(a) ::= "$localContext-><a.name>"
QRetValRef(a) ::= "<ctx(a)>-><a.dict>-><a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>-><t.name>"
LabelRef(t)
  ::= "<ctx(t)>-><t.name>"
ListLabelRef(t) ::= "<ctx(t)>-><ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>-><s.name> = <rhsChunks>);"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getText() : null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getType() : 0)"

```

```

TokenPropertyRef_line(t) ::= "<ctx(t)-><t.label> != null ? <ctx(t)-><t.label>->getLine() : 0)"
TokenPropertyRef_pos(t) ::= "<ctx(t)-><t.label> != null ? <ctx(t)-><t.label>->getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)-><t.label> != null ? <ctx(t)-><t.label>->getChannel() : 0)"
TokenPropertyRef_index(t) ::= "<ctx(t)-><t.label> != null ? <ctx(t)-><t.label>->getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "<ctx(t)-><t.label> != null ? (int) <ctx(t)-><t.label>->getText() : 0)"

RulePropertyRef_start(r) ::= "<ctx(r)-><r.label> != null ? (<ctx(r)-><r.label>->start) : null)"
RulePropertyRef_stop(r) ::= "<ctx(r)-><r.label> != null ? (<ctx(r)-><r.label>->stop) : null)"
RulePropertyRef_text(r) ::= "<ctx(r)-><r.label> != null ? $this->input->getTextByTokens(<ctx(r)-><r.label>->start, <ctx(r)-><r.label>->stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)-><r.label>"
RulePropertyRef_parser(r) ::= "$this"

ThisRulePropertyRef_start(r) ::= "$localContext->start"
ThisRulePropertyRef_stop(r) ::= "$localContext->stop"
ThisRulePropertyRef_text(r) ::= "$this->input->getTextByTokens($localContext->start, $this->input->LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "$localContext"
ThisRulePropertyRef_parser(r) ::= "$this"

NonLocalAttrRef(s) ::= "$this->getInvokingContext(<s.ruleIndex>)-><s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "$this->getInvokingContext(<s.ruleIndex>)-><s.name> = <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)-><a.listName>[]"
= <labelref(a.label)>;"

TokenDecl(t) ::= "<TokenLabelType()> $<t.name>"
TokenTypeDecl(t) ::= ""
TokenListDecl(t) ::= "array $<t.name> = []"
RuleContextDecl(r) ::= "<r.ctxName> $<r.name>"
RuleContextListDecl(rdecl) ::= "array $<rdecl.name> = []"
AttributeDecl(d) ::= "<d.type> $<d.name><if(d.initValue)> = <d.initValue><endif>"

PropertiesDecl(struct) ::= <<
<if(struct.tokenListDecls>
  <struct.tokenListDecls : { d | /**
* @var array<Token>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.tokenDecls>
<if(struct.tokenListDecls>

<endif>
<struct.tokenDecls : { d | /**
* @var <TokenLabelType()>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">

```

```

<endif>
<if(struct.ruleContextDecls)>
<if(struct.tokenListDecls || struct.tokenDecls)>

<endif>
<struct.ruleContextDecls : {d | /**
* @var <d.ctxName>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextListDecls)>
<if(struct.tokenListDecls || struct.tokenDecls
|| struct.ruleContextDecls)>

<endif>
<struct.ruleContextListDecls : {d | /**
* @var array\<<d.ctxName>\>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.attributeDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls || struct.ruleContextListDecls)>

<endif>
<struct.attributeDecls : {d | /**
* @var <d.type><if(!d.initValue)>|null<endif> $<d.name>
*/
public $<d.name><if(d.initValue)> = <d.initValue><endif>;}; separator="\n\n">
<endif>

>>

```

```

ContextTokenGetterDecl(t) ::= <<
public function <t.name>(): ?TerminalNode
{
    return $this->getToken(<parser.name>::<t.name>, 0);
}
>>

```

```

ContextTokenListGetterDecl(t) ::= <<
>>

```

```

ContextTokenListIndexedGetterDecl(t) ::= <<
/**
* @return array\<TerminalNode>|TerminalNode|null
*/
public function <t.name>(?int $index = null)
{

```

```

if ($index === null) {
    return $this->getTokens(<parser.name>::<t.name>);
}

return $this->getToken(<parser.name>::<t.name>, $index);
}
>>

ContextRuleGetterDecl(r)
    ::= <<
public function <r.name>(): ?<r.ctxName>
{
    return $this->getTypedRuleContext(<r.ctxName>::class, 0);
}
>>

ContextRuleListGetterDecl(r) ::= <<
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
/**
 * @return array<<r.ctxName>>|<r.ctxName>|null
 */
public function <r.name>(?int $index = null)
{
    if ($index === null) {
        return $this->getTypedRuleContexts(<r.ctxName>::class);
    }

    return $this->getTypedRuleContext(<r.ctxName>::class, $index);
}
>>

LexerRuleContext() ::= "RuleContext"

/**
 * The rule context name is the rule followed by a suffix; e.g., r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "$<d.varName> = $this->input->LT(1);"
CaptureNextTokenType(d) ::= "$<d.varName> = $this->input->LA(1);"

```

```

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,signatures)
::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif>
{
<PropertiesDecl(struct)>
public function __construct(?ParserRuleContext $parent, ?int $invokingState = null<ctorAttrs:{a | , ?<a> = null}>)
{
parent::__construct($parent, $invokingState);
<if(struct.ctorAttrs)>

    <struct.ctorAttrs:{a | $this-><a.name> = $<a.name> ?? $this-><a.name>;}; separator="\n">
<endif>
}

public function getRuleIndex(): int
{
    return <parser.name>::RULE_<struct.derivedFromName>;
}
<if(getters)>

    <getters:{g | <g>;}; separator="\n\n">
<endif>
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
public function copyFrom(ParserRuleContext $context): void
{
parent::copyFrom($context);

    <struct.attrs:{a | $this-><a.name> = $context-><a.name>;}; separator="\n">
}
<endif>
<if(dispatchMethods)>

<dispatchMethods;
separator="\n\n">
<endif>
<if(extensionMembers)>

    <extensionMembers; separator="\n\n">
<endif>
}
>>

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context
{
<PropertiesDecl(struct)>

```

```

public function __construct(<struct.parentRule; format="cap">Context $context)
{
    parent::__construct($context);

    $this->copyFrom($context);
}
<if(getters)>

    <getters:{g | <g>}; separator="\n\n">
<endif>
<if(dispatchMethods)>

    <dispatchMethods; separator="\n\n">
<endif>
}
>>

ListenerDispatchMethod(method) ::= <<
public function <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener $listener): void
{
    if ($listener instanceof <parser.grammarName>Listener) {
        $listener-><if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">($this);
    }
}
>>

VisitorDispatchMethod(method) ::= <<
public function accept(ParseTreeVisitor $visitor): mixed
{
    if ($visitor instanceof
        <parser.grammarName>Visitor) {
        return $visitor->visit<struct.derivedFromName; format="cap">($this);
    }

    return $visitor->visitChildren($this);
}
>>

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>$localContext-><endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "$localContext"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "\$this->precpred(\$this->ctx, <opPrec>)"

recRuleSetReturnAction(src,name) ::= "\$<name> = \$<src>-><name>;"

```

```

recRuleSetStopToken() ::= "$this->ctx->stop = $this->input->LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
$localContext = new Context\\<ctxName>Context($parentContext, $parentState);
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext,
    $startState, self::RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
$localContext = new Context\\<currentAltLabel; format="cap">Context(new Context\\<ruleName;
format="cap">Context($parentContext, $parentState));
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
$localContext = new Context\\<ctxName>Context($localContext);
$this->ctx = $localContext;
$previousContext = $localContext;
>>

recRuleSetPrevCtx() ::= <<
if ($this->getParseListeners() !== null) {
    $this->triggerExitRuleEvent();
}

$previousContext = $localContext;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>

```


<lexer>

>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass)

::= <<

namespace<if(lexerFile.genPackage)> <lexerFile.genPackage><endif> {

<if(namedActions.header)><namedActions.header><endif>

use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;

use Antlr\\Antlr4\\Runtime\\Atn\\LexerATNSimulator;

use Antlr\\Antlr4\\Runtime\\Lexer;

use Antlr\\Antlr4\\Runtime\\CharStream;

use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;

use Antlr\\Antlr4\\Runtime\\RuleContext;

use Antlr\\Antlr4\\Runtime\\Atn\\ATN;

use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;

use Antlr\\Antlr4\\Runtime\\Vocabulary;

use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;

use Antlr\\Antlr4\\Runtime\\VocabularyImpl;

<if(namedActions.definitions)><namedActions.definitions><endif>

final class <lexer.name> extends <superClass; null="Lexer">

{

<if(lexer.tokens)>

public const <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;

<endif>

<if(lexer.escapedChannels)>

public const <lexer.escapedChannels:{c | <c> = <lexer.escapedChannels.(c)>};

separator=", ", wrap, anchor>;

<endif>

<if(rest(lexer.escapedModeNames))>

public const <rest(lexer.escapedModeNames):{m | <m>=<i>}; separator=", ", wrap, anchor>;

<endif>

/**

* @var array<string>

*/

public const CHANNEL_NAMES = [

'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channelNames)>, <lexer.channelNames:{c| '<c>'>;

separator=", ", wrap, anchor><endif>

];

/**

* @var array<string>

*/

public const MODE_NAMES = [

<lexer.modes:{m| '<m>'>; separator=", ", wrap, anchor>

```

];

/**
 * @var array<string>
 */
public const RULE_NAMES = [
    <lexer.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

    <namedActions.members>
<endif>

public function __construct(CharStream $input)
{
    parent::__construct($input);

    self::initialize();

    $this->interp
= new LexerATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
}

private static function initialize(): void
{
    if (self::$atn !== null) {
        return;
    }

    RuntimeMetaData::checkVersion('<lexerFile.ANTLRVersion>', RuntimeMetaData::VERSION);

    $atn = (new ATNDeserializer())->deserialize(self::SERIALIZED_ATN);

    $decisionToDFA = [];
    for ($i = 0, $count = $atn->getNumberOfDecisions(); $i < $count; $i++) {
        $decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
    }

    self::$atn = $atn;
    self::$decisionToDFA = $decisionToDFA;
    self::$sharedContextCache = new PredictionContextCache();

```

```

}

public static function vocabulary(): Vocabulary
{
    static $vocabulary;

    return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}

public function getGrammarFileName(): string
{
    return '<lexer.grammarFileName>';
}

public function getRuleNames(): array
{
    return
self::RULE_NAMES;
}

public function getSerializedATN(): array
{
    return self::SERIALIZED_ATN;
}

/**
 * @return array<string>
 */
public function getChannelNames(): array
{
    return self::CHANNEL_NAMES;
}

/**
 * @return array<string>
 */
public function getModeNames(): array
{
    return self::MODE_NAMES;
}

public function getATN(): ATN
{
    return self::$atn;
}

public function getVocabulary(): Vocabulary
{

```

```

    return self::vocabulary();
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
}
}
>>

```

```

SerializedATN(model) ::= <<
private const SERIALIZED_ATN =
[<model.serialized: {s | <s>}; separator=", ", wrap={<\n> }>];
>>

```

```

/**
 * Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is `null`.
 */
initValue(typeName) ::= <<
<phpTypeInitMap.(typeName)>
>>

```

```

codeFileExtension() ::= ".php"

```

Found in path(s):
 * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/PHP/PHP.stg
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```

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*/

```

```

tree grammar ATNBuilder;
options {
    language    = Java;
    tokenVocab  = ANTLRParser;
    ASTLabelType = GrammarAST;
    // filter    = true;
}

```

```

// Include the copyright in this source and also the generated source

```

```

@header {

```

```

/*

```

```

[The "BSD license"]

```

```

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```

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```

```

*/

```

```

package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;

```

```

import org.antlr.v4.automata.ATNFactory;
}

@members {
    ATNFactory factory;
    public ATNBuilder(TreeNodeStream input, ATNFactory factory) {
        this(input);
        this.factory = factory;
    }
}

dummy : block[null] ; // avoid error about no start rule

ruleBlock[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {
    List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();
    int alt = 1;
    factory.setCurrentOuterAlt(alt);
}
: ^(BLOCK
    (^ (OPTIONS .*)?
        ( a=alternative
            {alts.add($a.p); factory.setCurrentOuterAlt(++alt);}
        )+
    )
    {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
;

block[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();}
: ^(BLOCK (^ (OPTIONS .*)? (a=alternative {alts.add($a.p);})+ )
    {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
;

alternative returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> els = new ArrayList<ATNFactory.Handle>();}
: ^(LEXER_ALT_ACTION a=alternative lexerCommands)
    {$p = factory.lexerAltCommands($a.p,$lexerCommands.p);}
| ^(ALT elementOptions? EPSILON)    {$p = factory.epsilon($EPSILON);}
| ^(ALT elementOptions? (e=element {els.add($e.p);})+) {$p = factory.alt(els);}
;

lexerCommands returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> cmds = new ArrayList<ATNFactory.Handle>();}
: (c=lexerCommand {if ($c.cmd != null) cmds.add($c.cmd);})+
    {
        $p = factory.alt(cmds);
    }
}

```

```

;

lexerCommand returns
[ATNFactory.Handle cmd]
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
  {$cmd = factory.lexerCallCommand($ID, $lexerCommandExpr.start);}
| ID
  {$cmd = factory.lexerCommand($ID);}
;

lexerCommandExpr
: ID
| INT
;

element returns [ATNFactory.Handle p]
: labeledElement {$p = $labeledElement.p;}
| atom {$p = $atom.p;}
| subrule {$p = $subrule.p;}
| ACTION {$p = factory.action((ActionAST)$ACTION);}
| SEMPRED {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(ACTION .) {$p = factory.action((ActionAST)$ACTION);}
| ^(SEMPRED .) {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(NOT b=blockSet[true]) {$p = $b.p;}
| LEXER_CHAR_SET {$p = factory.charSetLiteral($start);}
;

astOperand returns [ATNFactory.Handle p]
: atom {$p = $atom.p;}
| ^(NOT blockSet[true]) {$p = $blockSet.p;}
;

labeledElement returns [ATNFactory.Handle p]
: ^(ASSIGN ID element) {$p = factory.label($element.p);}
| ^(PLUS_ASSIGN ID element)
  {$p = factory.listLabel($element.p);}
;

subrule returns [ATNFactory.Handle p]
: ^(OPTIONAL block[$start]) {$p = $block.p;}
| ^(CLOSURE block[$start]) {$p = $block.p;}
| ^(POSITIVE_CLOSURE block[$start]) {$p = $block.p;}
| block[null] {$p = $block.p;}
;

blockSet[boolean invert] returns [ATNFactory.Handle p]
@init {List<GrammarAST> alts = new ArrayList<GrammarAST>();}
: ^(SET (setElement {alts.add($setElement.start);})+) {$p = factory.set($start, alts, $invert);}

```

```

;

/** Don't combine with atom otherwise it will build spurious ATN nodes */
setElement
: ^(STRING_LITERAL .)
| ^(TOKEN_REF .)
| STRING_LITERAL
| TOKEN_REF
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
| LEXER_CHAR_SET
;

atom returns [ATNFactory.Handle p]
: range    {$p = $range.p;}
| ^(DOT ID terminal) {$p = $terminal.p;}
| ^(DOT ID ruleref) {$p = $ruleref.p;}
| ^(WILDCARD .) {$p = factory.wildcard($start);}
| WILDCARD {$p = factory.wildcard($start);}
| blockSet[false] {$p
= $blockSet.p;}
| terminal {$p = $terminal.p;}
| ruleref {$p = $ruleref.p;}
;

ruleref returns [ATNFactory.Handle p]
: ^(RULE_REF ARG_ACTION? ^(ELEMENT_OPTIONS .*)) {$p = factory.ruleRef($RULE_REF);}
| ^(RULE_REF ARG_ACTION?) {$p = factory.ruleRef($RULE_REF);}
| RULE_REF {$p = factory.ruleRef($RULE_REF);}
;

range returns [ATNFactory.Handle p]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL) {$p = factory.range($a,$b);}
;

terminal returns [ATNFactory.Handle p]
: ^(STRING_LITERAL .) {$p = factory.stringLiteral((TerminalAST)$start);}
| STRING_LITERAL {$p = factory.stringLiteral((TerminalAST)$start);}
| ^(TOKEN_REF ARG_ACTION .) {$p = factory.tokenRef((TerminalAST)$start);}
| ^(TOKEN_REF .) {$p = factory.tokenRef((TerminalAST)$start);}
| TOKEN_REF {$p = factory.tokenRef((TerminalAST)$start);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

elementOption
: ID

```



```
| ^ (ASSIGN ID
ID)
| ^ (ASSIGN ID STRING_LITERAL)
| ^ (ASSIGN ID ACTION)
| ^ (ASSIGN ID INT)
;
```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ATNBuilder.g

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 */

/** ANTLR tool checks output templates are compatible with tool code generation.
 * For now, a simple string match used on x.y of x.y.z scheme.
 * Must match Tool.VERSION during load to templates.
 *
 * REQUIRED.
```

```
*/
```

```
pythonTypeInitMap ::= [  
    "bool": "False",  
    "int": "0",  
    "float": "0.0",  
    "str": "",  
    default: "None" // anything other  
    than a primitive type is an object  
]
```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
# encoding: utf-8  
from antlr4 import *  
from io import StringIO  
import sys  
if sys.version_info[1] > 5:  
    from typing import TextIO  
else:  
    from typing.io import TextIO  
  
<namedActions.header>  
<parser>  
  
>>
```

```
ListenerFile(file, header, namedActions) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
from antlr4 import *  
if "." in __name__:  
    from <file.parserName> import <file.parserName>  
else:  
    from <file.parserName> import <file.parserName>  
<header>
```

```
# This class defines a complete listener for a parse tree produced by <file.parserName>.  
class <file.grammarName>Listener(ParseTreeListener):
```

```
    <file.listenerNames:{lname |  
# Enter a parse tree produced by <file.parserName>#<lname>.  
def enter<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):  
    pass
```

```
# Exit a parse tree produced by <file.parserName>#<lname>.  
def exit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
```

```

pass

}; separator="\n">

del <file.parserName>
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    return self.visitChildren(ctx)

}; separator="\n">

del <file.parserName>
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR
<ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

```

```

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | <t>}; null="\\"<INVALID>\'", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="\\"<INVALID>\'", separator=", ", wrap, anchor> ]

    <if(parser.rules)>
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
    <endif>

    ruleNames =
    [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType>.EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor())>

    <namedActions.members>

    <funcs; separator="\n">

    <if(sempredFuncs)>
    def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
        if self._predicates == None:
            self._predicates = dict()
    <parser.sempredFuncs.values:{f |
        self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
        pred = self._predicates.get(ruleIndex, None)
        if pred is None:
            raise Exception("No predicate with index:" + str(ruleIndex))
        else:
            return pred(localctx, predIndex)

```

```

        <sempredFuncs.values; separator="\n">
<endif>

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx:RuleContext, ruleIndex:int, actionIndex:int):
    if self._actions is None:
        actions = dict()
<recog.actionFuncs.values:{f|
    actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
    self._actions = actions
    action = self._actions.get(ruleIndex, None)
    if action is not None:
        action(localctx, actionIndex)
    else:
        raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values:{f|
    preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
    self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>

>>

parser_ctor(p) ::= <<
def __init__(self,
input:TokenStream, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

```

```
>>
```

```
/* This generates a private method since the actionIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
```

```
RuleActionFunction(r, actions) ::= <<
```

```
def <r.name>_action(self, localctx:<r.ctxType> , actionIndex:int):
```

```
  <actions:{index|
```

```
  <if(first(actions))>
```

```
    if actionIndex == <index>:
```

```
      <actions.(index)>
```

```
  <elseif(rest(actions))>
```

```
    elif actionIndex == <index>:
```

```
      <actions.(index)>
```

```
  <endif> }; separator="\n">
```

```
>>
```

```
/* This generates a private method since the predIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
```

```
RuleSempredFunction(r, actions) ::= <<
```

```
def <r.name>_sempred(self, localctx:<r.ctxType>, predIndex:int):
```

```
  <actions:{index|
```

```
  <if(first(actions))>
```

```
    if predIndex == <index>:
```

```
      return <actions.(index)>
```

```
  <elseif(rest(actions))>
```

```
    elif predIndex == <index>:
```

```
      return <actions.(index)>
```

```
  <endif> }; separator="\n">
```

```
>>
```

```
RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
```

```
<ruleCtx>
```

```
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
```

```
def <currentRule.escapedName>(self<currentRule.args:{a | , <a.escapedName><if(a.type)>:<a.type><endif>}>):
```

```
  localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | ,
  <a.escapedName>}>)
```

```
  self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
```

```
  <namedActions.init>
```

```

<locals; separator="\n">
try:
  <code>
  <postamble; separator="\n">
  <namedActions.after>
<if(exceptions)>
<exceptions; separator="\n">
<else>
except RecognitionException as re:
  localctx.exception = re
  self._errHandler.reportError(self,
re)
  self._errHandler.recover(self, re)
<endif>
finally:
  <finallyAction>
  self.exitRule()
return localctx

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.escapedName>(self, _p:int=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
  _parentctx = self._ctx
  _parentState = self.state
  localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.escapedName>}>)
  _prevctx = localctx
  _startState = <currentRule.startState>
  self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
  <namedActions.init>
  <locals; separator="\n">
  try:
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  except RecognitionException as re:
    localctx.exception = re

  self._errHandler.reportError(self, re)
  self._errHandler.recover(self, re)
  finally:
    <finallyAction>

```

```

        self.unrollRecursionContexts(_parentctx)
    return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
    pass}; separator="\nel">
else:
    <error>

>>

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
    pass}; separator="\nel">
else:
    pass
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>;

```



```

    <alts; separator="\n">

    <!else if ( !(<followExpr> ) <error>!>
    >>

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt
    block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i>:
    <alt>
    pass
}; separator="\n">

>>

```

```

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nел">

>>

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt
= self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    if _alt==1<if(!choice.ast.greedy)>+1<endif>:
        <iteration>
        <alts> <! should only be one !>
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    <alts:{alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nел">
    else:
        <error>
    self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

Sync(s)
::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" or ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & <bits.calculated>) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t
| <s.varName>==<t.type>}; separator=" or ">
%>

cases(tokens) ::= <<
if token in [<tokens:{t | <t.type>}; separator=", ">]:
>>

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argE
xprsChunks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)

```

```
>>
```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{l | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>
```

```
Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>self.matchWildcard()
>>
```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```
SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
    <p.msg><endif>)
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:
    <catchAction>
>>
```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "skip()"
```

```
LexerMoreCommand() ::= "more()"
```

```
LexerPopModeCommand() ::= "popMode()"
```

```
LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
```

```

LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar)   ::= "_mode = <arg>"
LexerPushModeCommand(arg,
grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.escapedName>"
LocalRef(a) ::= "localctx.<a.escapedName>"
RetValRef(a) ::= "localctx.<a.escapedName>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None
else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r)  ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r)  ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r)   ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r)  ::= "localctx.stop"
ThisRulePropertyRef_text(r)  ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r)   ::= "localctx"
ThisRulePropertyRef_parser(r)
::= "self"

NonLocalAttrRef(s)   ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

```

```

TokenDecl(t) ::= "self.<t.escapedName> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.escapedName> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.escapedName> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.escapedName> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.escapedName> = list() # of <rdecl.ctxName>s"

```

```

ContextTokenGetterDecl(t)    ::= <<
def <t.escapedName>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>

```

```

// should never be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>

```

```

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.escapedName>(self,
i:int=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>

```

```

ContextRuleGetterDecl(r)    ::= <<
def <r.escapedName>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>

```

```

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>

```

```

ContextRuleListIndexedGetterDecl(r) ::= <<
def <r.escapedName>(self, i:int=None):
    if i is None:
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
    else:
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

```

```
LexerRuleContext() ::= "RuleContext"
```

```
/** The rule context name is the rule followed by a suffix; e.g.,  
 * r becomes rContext.  
 */
```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
```

```
ImplicitSetLabel(id)
```

```
 ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"
```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,signatures) ::= <<  
class <struct.escapedName>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):  
  __slots__ = 'parser'
```

```
  def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{a | ,  
<a.escapedName><if(a.type)><a.type><endif>=None}>):
```

```
    super().__init__(parent, invokingState)
```

```
    self.parser = parser
```

```
    <attrs:{a | <a>}; separator="\n">
```

```
    <struct.ctorAttrs:{a | self.<a.escapedName> = <a.escapedName>}; separator="\n">
```

```
    <getters:{g | <g>}; separator="\n\n">
```

```
  def getRuleIndex(self):
```

```
    return <parser.name>.RULE_<struct.derivedFromName>
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
  def copyFrom(self, ctx:ParserRuleContext):
```

```
    super().copyFrom(ctx)
```

```
    <struct.attrs:{a | self.<a.escapedName> = ctx.<a.escapedName>}; separator="\n">
```

```
<endif>
```

```
  <dispatchMethods; separator="\n">
```

```
  <extensionMembers; separator="\n">
```

```
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
```

```
class <struct.escapedName>(<currentRule.name; format="cap">Context):
```

```
  def __init__(self, parser, ctx:ParserRuleContext): # actually a <parser.name>.<currentRule.name;  
  format="cap">Context
```

```

    super().__init__(parser)
    <attrs:{ a | <a>}; separator="\n">
    self.copyFrom(ctx)

    <getters:{ g | <g>}; separator="\n">

    <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener:ParseTreeListener):
    if hasattr( listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">" ):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
        format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor:ParseTreeVisitor):
    if hasattr( visitor, "visit<struct.derivedFromName; format="cap">" ):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.escapedName> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.escapedName>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
localctx =
    <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
    <if(label)>
    <if(isListLabel)>
    localctx.<label>.append(_prevctx)
    <else>
    localctx.<label> = _prevctx

```



```

<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName,
lexerFile.ANTLRVersion)>
from antlr4 import *
from io import StringIO
import sys
if sys.version_info[1] > 5:
    from typing import TextIO
else:
    from typing.io import TextIO

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<

```

```

<if(superClass)>
if "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    <if(lexer.escapedChannels)>
        <lexer.escapedChannels:{c| <c> = <lexer.escapedChannels.(c)>}; separator="\n">

    <endif>
    <if(rest(lexer.escapedModeNames))>
        <rest(lexer.escapedModeNames):{m| <m> = <i>}; separator="\n">

    <endif>
    <if(lexer.tokens)>
        <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channelNames)>,
<lexer.channelNames:{c| u"<c>"}; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ]

    literalNames = [ "\<INVALID>",
        <lexer.literalNames:{t | <t>}; separator=", ", wrap, anchor> ]

    symbolicNames = [ "\<INVALID>",
        <lexer.symbolicNames:{t | <t>}; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    grammarFileName = "<lexer.grammarFileName>"

def __init__(self, input=None, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

```

```

<namedActions.members>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model)
::= <<
def serializedATN():
    return [
        <model.serialized: {s | <s>}; separator=",", wrap>
    ]
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

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*/

/** Find left-recursive rules */

tree grammar LeftRecursiveRuleWalker;

```
options {
    tokenVocab=ANTLRParser;
    ASTLabelType=GrammarAST;
}
```

```
@header {
package org.antlr.v4.parse;
```

```
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}
```

```
@members {
private String ruleName;
private int currentOuterAltNumber; // which outer alt of rule?
public
    int numAlts; // how many alts for this rule total?
```

```
public void setAltAssoc(AltAST altTree, int alt) {}
public void binaryAlt(AltAST altTree, int alt) {}
public void prefixAlt(AltAST altTree, int alt) {}
public void suffixAlt(AltAST altTree, int alt) {}
public void otherAlt(AltAST altTree, int alt) {}
public void setReturnValues(GrammarAST t) {}
}
```

```
@rulecatch { }
```

// TODO: can get parser errors for not matching pattern; make them go away

```
public
rec_rule returns [boolean isLeftRec]
@init
{
    currentOuterAltNumber = 1;
}
: ^( r=RULE id=RULE_REF {ruleName=$id.getText();}
    ruleModifier?
```

```

// (ARG_ACTION)? shouldn't allow args, right?
^(RETURNS a=ARG_ACTION {setReturnValues($a);}))?
// (^(THROWS .+)) ? don't allow
(^(LOCALS ARG_ACTION) )? // TODO: copy these to gen'd code
(^(OPTIONS .*)
|^(AT ID ACTION) // TODO: copy
)*
ruleBlock { $isLeftRec = $ruleBlock.isLeftRec; }
exceptionGroup
)
;

exceptionGroup
: exceptionHandler* finallyClause?
;

exceptionHandler
: ^(CATCH ARG_ACTION ACTION)
;

finallyClause
: ^(FINALLY ACTION)
;

ruleModifier
: PUBLIC
| PRIVATE
| PROTECTED
;

ruleBlock returns [boolean isLeftRec]
@init{boolean lr=false; this.numAlts = $start.getChildCount();}
: ^( BLOCK
(
o=outerAlternative
{if ($o.isLeftRec) $isLeftRec = true;}
{currentOuterAltNumber++;}
)+
)
;

/** An alt is either prefix, suffix, binary, or ternary operation or "other" */
outerAlternative returns [boolean isLeftRec]
: (binary)=>      binary
      {binaryAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| (prefix)=>      prefix
      {prefixAlt((AltAST)$start, currentOuterAltNumber);}
| (suffix)=>      suffix

```

```

        {suffixAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
    | nonLeftRecur    {otherAlt((AltAST)$start, currentOuterAltNumber);}
    ;

binary
: ^(
    ALT elementOptions? recurse element* recurse epsilonElement* )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

prefix
: ^( ALT elementOptions?
    element+
    recurse epsilonElement*
    )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

suffix
: ^( ALT elementOptions? recurse element+ )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

nonLeftRecur
: ^(ALT elementOptions? element+)
;

recurse
: ^(ASSIGN ID recurseNoLabel)
| ^(PLUS_ASSIGN ID recurseNoLabel)
| recurseNoLabel
;

recurseNoLabel : {((CommonTree)input.LT(1)).getText().equals(ruleName)}? RULE_REF;

token returns [GrammarAST t=null]
: ^(ASSIGN ID s=token {$t = $s.t;})
| ^(PLUS_ASSIGN ID s=token {$t = $s.t;})
| b=STRING_LITERAL    {$t = $b;}
| ^(b=STRING_LITERAL elementOptions) {$t = $b;}
| ^(c=TOKEN_REF elementOptions) {$t = $c;}
| c=TOKEN_REF          {$t = $c;}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)

```

;

elementOption

: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;

element

: atom
| ^(NOT element)
| ^(RANGE atom atom)
| ^(ASSIGN ID element)
| ^(PLUS_ASSIGN ID element)
| ^(SET setElement+)
| RULE_REF
| ebnf
| epsilonElement
;

epsilonElement

: ACTION
| SEMPRED
| EPSILON
| ^(ACTION elementOptions)
| ^(SEMPRED elementOptions)
;

setElement

: ^(STRING_LITERAL elementOptions)
| ^(TOKEN_REF elementOptions)
| STRING_LITERAL
| TOKEN_REF
;

ebnf: block

| ^(OPTIONAL block)
| ^(CLOSURE block)
| ^(POSITIVE_CLOSURE block)
;

block

: ^(BLOCK ACTION? alternative+)
;

alternative

: ^(ALT elementOptions? element+)

;

atom

: ^(RULE_REF ARG_ACTION? elementOptions?)

| ^(STRING_LITERAL elementOptions)

| STRING_LITERAL

| ^(TOKEN_REF elementOptions)

| TOKEN_REF

| ^(WILDCARD elementOptions)

| WILDCARD

| ^(DOT ID element)

;

Found in path(s):

*

/antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g

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- */

```
tree grammar SourceGenTriggers;
options {
    language    = Java;
    tokenVocab  = ANTLRParser;
    ASTLabelType = GrammarAST;
}
```

```
@header {
package org.antlr.v4.codegen;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.codegen.model.*;
import org.antlr.v4.codegen.model.decl.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.Collections;
import
    java.util.Map;
import java.util.HashMap;
}
```

```
@members {
public OutputModelController controller;
public boolean hasLookaheadBlock;
public SourceGenTriggers(TreeNodeStream input, OutputModelController controller) {
    this(input);
    this.controller = controller;
}
}
```

```
dummy : block[null, null] ;
```

```
block[GrammarAST label, GrammarAST ebnfRoot] returns [List<? extends SrcOp> omos]
: ^( blk=BLOCK (^ (OPTIONS .+))?
{ List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
( alternative {alts.add($alternative.altCodeBlock);} )+
)
{
if ( alts.size()==1 && ebnfRoot==null) return alts;
if ( ebnfRoot==null ) {
Somos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
}
else {
Choice choice = controller.getEBNFBlock($ebnfRoot, alts);
hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;
Somos = DefaultOutputModelFactory.list(choice);
}
}
;
```

```
alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
boolean outerMost = inContext("RULE BLOCK");
}
@after {
controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
: a=alt[outerMost] { $altCodeBlock=$a.altCodeBlock; $ops=$a.ops; }
;
```

```
alt[boolean outerMost] returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
// set alt if outer ALT only (the only ones with alt field set to Alternative object)
AltAST altAST = (AltAST)retval.start;
if ( outerMost ) controller.setCurrentOuterMostAlt(altAST.alt);
}
: {
List<SrcOp> elems = new ArrayList<SrcOp>();
// TODO: shouldn't we pass $start to controller.alternative()?
$altCodeBlock = controller.alternative(controller.getCurrentOuterMostAlt(), outerMost);
$altCodeBlock.ops = $ops = elems;
controller.setCurrentBlock($altCodeBlock);
}
^( ALT elementOptions? ( element {if ($element.omos!=null) elems.addAll($element.omos);} )+ )

| ^(ALT elementOptions?
EPSILON)
{ $altCodeBlock = controller.epsilon(controller.getCurrentOuterMostAlt(), outerMost); }
```

```

;

element returns [List<? extends SrcOp> omos]
: labeledElement { $omos = $labeledElement.omos;}
| atom[null,false] { $omos = $atom.omos;}
| subrule { $omos = $subrule.omos;}
| ACTION { $omos = controller.action((ActionAST)$ACTION);}
| SEMPRED { $omos = controller.sempred((ActionAST)$SEMPRED);}
| ^ (ACTION elementOptions) { $omos = controller.action((ActionAST)$ACTION);}
| ^ (SEMPRED elementOptions) { $omos = controller.sempred((ActionAST)$SEMPRED);}
;

```

```

labeledElement returns [List<? extends SrcOp> omos]
: ^ (ASSIGN ID atom[$ID,false] ) { $omos = $atom.omos;}
| ^ (PLUS_ASSIGN ID atom[$ID,false]) { $omos = $atom.omos;}
| ^ (ASSIGN ID block[$ID,null] ) { $omos = $block.omos;}
| ^ (PLUS_ASSIGN ID block[$ID,null]) { $omos = $block.omos;}
;

```

```

subrule returns [List<? extends SrcOp> omos]
: ^ (OPTIONAL b=block[null,$OPTIONAL])
{
    $omos = $block.omos;
}
| ( ^ (op=CLOSURE
b=block[null,null])
| ^ (op=POSITIVE_CLOSURE b=block[null,null])
)
{
    List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
    SrcOp blk = $b.omos.get(0);
    CodeBlockForAlt alt = new CodeBlockForAlt(controller.delegate);
    alt.addOp(blk);
    alts.add(alt);
    SrcOp loop = controller.getEBNFBlock($op, alts); // "star it"
    hasLookaheadBlock |= loop instanceof PlusBlock || loop instanceof StarBlock;
    $omos = DefaultOutputModelFactory.list(loop);
}
| block[null, null] { $omos = $block.omos;}
;

```

```

blockSet[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^ (SET atom[label,invert]+) { $omos = controller.set($SET, $label, invert);}
;

```

```

/*
setElement
: STRING_LITERAL

```

```

| TOKEN_REF
| ^ (RANGE STRING_LITERAL STRING_LITERAL)
;
*/

// TODO: combine ROOT/BANG into one then just make new op ref'ing return value of atom/terminal...
// TODO: same for NOT
atom[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^ (NOT
a=atom[$label, true]) {$omos = $a.omos;}
| range[label] {$omos = $range.omos;}
| ^ (DOT ID terminal[$label])
| ^ (DOT ID ruleref[$label])
| ^ (WILDCARD .) {$omos = controller.wildcard($WILDCARD, $label);}
| WILDCARD {$omos = controller.wildcard($WILDCARD, $label);}
| terminal[label] {$omos = $terminal.omos;}
| ruleref[label] {$omos = $ruleref.omos;}
| blockSet[$label, invert] {$omos = $blockSet.omos;}
;

ruleref[GrammarAST label] returns [List<SrcOp> omos]
: ^ (RULE_REF ARG_ACTION? elementOptions?) {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
;

range[GrammarAST label] returns [List<SrcOp> omos]
: ^ (RANGE a=STRING_LITERAL b=STRING_LITERAL)
;

terminal[GrammarAST label] returns [List<SrcOp> omos]
: ^ (STRING_LITERAL .) {$omos = controller.stringRef($STRING_LITERAL, $label);}
| STRING_LITERAL {$omos = controller.stringRef($STRING_LITERAL, $label);}
| ^ (TOKEN_REF ARG_ACTION .) {$omos =
controller.tokenRef($TOKEN_REF, $label, $ARG_ACTION);}
| ^ (TOKEN_REF .) {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
| TOKEN_REF {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
;

elementOptions
: ^ (ELEMENT_OPTIONS elementOption+)
;

elementOption
: ID
| ^ (ASSIGN ID ID)
| ^ (ASSIGN ID STRING_LITERAL)
| ^ (ASSIGN ID ACTION)
| ^ (ASSIGN ID INT)

```

;

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*/

javaTypeInitMap ::= [

"int": "0",

"long": "0",

"float": "0.0f",

"double": "0.0",

"boolean": "false",

"byte": "0",

"short": "0",

"char": "0",

default: "null" // anything other than a primitive type is an object

]

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<namedActions.header>
import org antlr.v4.runtime.atn.*;
import org antlr.v4.runtime.dfa.DFA;
import org antlr.v4.runtime.*;
import org antlr.v4.runtime.misc.*;
import org antlr.v4.runtime.tree.*;
import java.util.List;
import java.util.Iterator;
import java.util.ArrayList;

<parser>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org antlr.v4.runtime.tree.ParseTreeListener;

/**
 * This interface defines a complete listener for a parse tree produced by
 * {@link <file.parserName>}.
 */
public interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the {@code <lname>}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>}.
<else>
 * Enter a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
 * @param ctx the parse tree
 */
void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);
/**
<if(file.listenerLabelRuleNames.(lname))>
```

```

* Exit a parse tree produced by the {@code <lname>\}
* labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.<lname>>\}.
<else>
* Exit a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
* @param ctx the parse tree
*/
void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>

```

```

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

```

```

/**
 * This class provides an empty implementation of {@link <file.grammarName>Listener},
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
@SuppressWarnings("CheckReturnValue")
public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
    <file.listenerNames:{lname |
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \} };
separator="\n">

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>

```



```

*/
@Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 *
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitTerminal(TerminalNode node) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitErrorNode(ErrorNode node) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by {@link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
    <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the {@code <lname>}\}
 * labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>}\}.
<else>
 * Visit a parse tree produced by {@link <file.parserName>#<lname>}\}.
<endif>

```

```

* @param ctx the parse tree
* @return the visitor result
*/
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
 * This class provides an empty implementation of {@link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
@SuppressWarnings("CheckReturnValue")
public class <file.grammarName>BaseVisitor\<T> extends AbstractParseTreeVisitor\<T> implements
<file.grammarName>Visitor\<T>
{
    <file.visitorNames:{lname |
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation returns the result of calling
 * {@link #visitChildren\} on {@code ctx\}.\</p>
 */
    @Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
visitChildren(ctx); \} }; separator="\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<

```

```

@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast", "CheckReturnValue"})
public class <parser.name> extends <superClass; null="Parser"> {
    static { RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION); }

    protected static final DFA[] _decisionToDFA;
    protected static final PredictionContextCache _sharedContextCache =
        new PredictionContextCache();
    <if(parser.tokens)>
    public
    static final int
        <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(parser.rules)>
    public static final int
        <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
    <endif>
    private static String[] makeRuleNames() {
        return new String[] {
            <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
        };
    }
    public static final String[] ruleNames = makeRuleNames();

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    @Override
    public String getGrammarFileName() { return "<parser.grammarFileName>"; }

    @Override
    public String[] getRuleNames() { return ruleNames; }

    @Override
    public String getSerializedATN() { return _serializedATN; }

    @Override
    public ATN getATN() { return _ATN; }

    <namedActions.members>
    <parser:(ctor)()>
    <funcs; separator="\n">

    <if(sempredFuncs)>
    public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
        switch (ruleIndex) {
            <parser.sempredFuncs.values:{f|
case
            <f.ruleIndex>:
            return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">

```

```

    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static String[] makeLiteralNames() {
    return new String[] {
        <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
    };
}
private static final String[] _LITERAL_NAMES = makeLiteralNames();
private static String[] makeSymbolicNames() {
    return new String[] {
        <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
    };
}
private static final String[] _SYMBOLIC_NAMES = makeSymbolicNames();
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
    _SYMBOLIC_NAMES);

/**
 * @deprecated Use {@link #VOCABULARY} instead.
 */
@Deprecated
public static final String[] tokenNames;
static {
    tokenNames = new String[_SYMBOLIC_NAMES.length];
    for (int i = 0; i < tokenNames.length; i++) {
        tokenNames[i]
        = VOCABULARY.getLiteralName(i);
        if (tokenNames[i] == null) {
            tokenNames[i] = VOCABULARY.getSymbolicName(i);
        }

        if (tokenNames[i] == null) {
            tokenNames[i] = "\"<INVALID>";
        }
    }
}

@Override
@Deprecated

```

```

public String[] getTokenNames() {
    return tokenNames;
}

@Override

public Vocabulary getVocabulary() {
    return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
@Override
public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
        <f.name>_action((<f.ctxType>)_localctx, actionIndex);
        break;}; separator="\n">
    }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
@Override
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
        return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return
    true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
public <p.name>(TokenStream input) {
    super(input);
    _interp = new ParserATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.

```

```

*/
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
        <actions:{index|
case <index>:
        <actions.(index)>
        break;}; separator="\n">
    }
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private boolean <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
        <actions:{index|
case <index>:
        return <actions.(index)>;}; separator="\n">
    }
    return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=", ">) throws RecognitionException {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,
<a.escapedName>}>);
    enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
    <namedActions.init>
    <locals; separator="\n">
    try {
        <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    <if(exceptions)>

```

```

<exceptions; separator="\n">
<else>
catch (RecognitionException re) {
    _localctx.exception = re;
    _errHandler.reportError(this, re);
    _errHandler.recover(this, re);
}
<endif>
finally {
    <finallyAction>
    exitRule();
}
return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble)

```

```

::=

```

```

<<

```

```

<ruleCtx>

```

```

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=", ">) throws RecognitionException {
    return <currentRule.escapedName>(0<currentRule.args:{a | , <a.escapedName>}>);
}

```

```

private <currentRule.ctxType> <currentRule.escapedName>(int _p<args:{a | , <a>}>) throws RecognitionException
{
    ParserRuleContext _parentctx = _ctx;
    int _parentState = getState();
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.escapedName>}>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
        <if(currentRule.hasLookaheadBlock)>
            int
            _alt;
        <endif>
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    }
}

```

```

}
catch (RecognitionException re) {
    _localctx.exception = re;
    _errHandler.reportError(this, re);
    _errHandler.recover(this, re);
}
finally {
    <finallyAction>
    unrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
    <if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
    format="cap">Context(_localctx);<endif>
    enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
    <CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
    <locals; separator="\n">
    <preamble; separator="\n">
    <ops; separator="\n">
}
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
    setState(<choice.stateNumber>);
    _errHandler.sync(this);
    <if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
    <preamble;
    separator="\n">
    switch (_input.LA(1)) {
    <choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
    break;}; separator="\n">
    default:
    <error>
    }
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
    setState(<choice.stateNumber>);
    _errHandler.sync(this);
    switch (_input.LA(1)) {

```



```

<choice.altLook,alts:{look,alt| <cases(tokens=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
  setState(<choice.stateNumber>);
  _errHandler.sync(this);
  <preamble; separator="\n">
  if (<expr>) {
    <alts; separator="\n">
  }
  <!else if ( !(<followExpr>) ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
  setState(<choice.stateNumber>);
  _errHandler.sync(this);
  <preamble; separator="\n">
  while (<loopExpr>) {
    <alts; separator="\n">
    setState(<choice.loopBackStateNumber>);
    _errHandler.sync(this);
    <iteration>
  }
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration)
::= <<
  setState(<choice.blockStartStateNumber>); <! alt block decision !>
  _errHandler.sync(this);
  <preamble; separator="\n">
  do {
    <alts; separator="\n">
    setState(<choice.stateNumber>); <! loopback/exit decision !>
    _errHandler.sync(this);
    <iteration>
  } while ( <loopExpr> );
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
  setState(<choice.stateNumber>);
  _errHandler.sync(this);

```

```

<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{alt |
case <i>:
<alt>
break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
_alt
= getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch (_alt) {
<alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
default:

```

```

<error>
}
setState(<choice.loopBackStateNumber>); <!-- loopback/exit decision !>
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER );
>>

Sync(s)
::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>} ; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
<bits.calculated>L) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>==<t.name>} ; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case <t.name>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks)
::= <<
setState(<r.stateNumber>);

```

```

<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprs
Chunks>);
>>

```

```

MatchToken(m) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(<m.escapedName>);
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }>_input.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
  <if(m.labels)><m.labels:{l | <labelref(l)> = (Token)}><endif>_errHandler.recoverInline(this);
}
else {
  if ( _input.LA(1)==Token.EOF ) matchedEOF = true;
  _errHandler.reportMatch(this);
  consume();
}
>>

```

```

Wildcard(w) ::= <<
setState(<w.stateNumber>);
<if(w.labels)><w.labels:{l | <labelref(l)> =
}><endif>matchWildcard();
>>

```

```

// ACTION STUFF

```

```

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

```

```

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {

```

```

<catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip();"
LexerMoreCommand() ::= "more();"
LexerPopModeCommand() ::= "popMode();"

LexerTypeCommand(arg, grammar)    ::= "_type = <arg>);"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>);"
LexerModeCommand(arg, grammar)    ::= "_mode = <arg>);"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.escapedName>"
LocalRef(a) ::= "_localctx.<a.escapedName>"
RetValRef(a) ::= "_localctx.<a.escapedName>"
QRetValRef(a)
    ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <rhsChunks>);"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getText():null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getType():0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getLine():0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getCharPositionInLine():0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getChannel():0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getTokenIndex():0)"
TokenPropertyRef_int(t)
    ::= "(<ctx(t)>.<t.label>!=null?Integer.valueOf(<ctx(t)>.<t.label>.getText()):0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.start):null)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_text(r) ::=
    "(<ctx(r)>.<r.label>!=null?_input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"

```

```

ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "_input.getText(_localctx.start, _input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(<s.ruleName;
format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.escapedName>
= <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <t.escapedName>"
TokenTypeDecl(t) ::= "int <t.escapedName>;"
TokenListDecl(t) ::= "List<Token> <t.escapedName> = new ArrayList<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.escapedName>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.escapedName> = new
ArrayList<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::=
"public TerminalNode <t.name>() { return getToken(<parser.name>.<t.name>, 0); }"
ContextTokenListGetterDecl(t) ::=
"public List<TerminalNode> <t.name>() { return getTokens(<parser.name>.<t.name>); }"
ContextTokenListIndexedGetterDecl(t) ::= <<
public TerminalNode <t.name>(int i) {
return getToken(<parser.name>.<t.name>, i);
}
>>

ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <r.escapedName>() {
return getRuleContext(<r.ctxName>.class,0);
}
>>

ContextRuleListGetterDecl(r) ::= <<
public
List<<r.ctxName>> <r.escapedName>() {
return getRuleContexts(<r.ctxName>.class);
}
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <r.escapedName>(int i) {
return getRuleContext(<r.ctxName>.class,i);
}
>>

LexerRuleContext() ::= "RuleContext"

```

```
/** The rule context name is the rule followed by a suffix; e.g.,
```

```
* r becomes rContext.
```

```
*/
```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
```

```
ImplicitSetLabel(id) ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = _input.LT(1);"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = _input.LA(1);"
```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,signatures)
```

```
::= <<
```

```
@SuppressWarnings("CheckReturnValue")
```

```
public static class <struct.escapedName> extends
```

```
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
```

```
<interfaces; separator="",
```

```
"><endif> {
```

```
<attrs:{a | public <a>;}; separator="\n">
```

```
<getters:{g | <g>;}; separator="\n">
```

```
<if(ctorAttrs)>public <struct.escapedName>(ParserRuleContext parent, int invokingState) { super(parent,  
invokingState); }<endif>
```

```
public <struct.escapedName>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>) {  
super(parent, invokingState);
```

```
<struct.ctorAttrs:{a | this.<a.escapedName> = <a.escapedName>;}; separator="\n">
```

```
}
```

```
@Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
public <struct.escapedName>() { }
```

```
public void copyFrom(<struct.escapedName> ctx) {
```

```
super.copyFrom(ctx);
```

```
<struct.attrs:{a | this.<a.escapedName> = ctx.<a.escapedName>;}; separator="\n">
```

```
}
```

```
<endif>
```

```
<dispatchMethods; separator="\n">
```

```
<extensionMembers; separator="\n">
```

```
}
```

```
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
```

```
@SuppressWarnings("CheckReturnValue")
```

```
public static class
```

```
<struct.escapedName> extends <currentRule.name; format="cap">Context {
```

```
<attrs:{a | public <a>;}; separator="\n">
```

```
<getters:{g | <g>;}; separator="\n">
```

```
public <struct.escapedName>(<currentRule.name; format="cap">Context ctx) { copyFrom(ctx); }
```

```

<dispatchMethods; separator="\n">
}
>>

ListenerDispatchMethod(method) ::= <<
@Override
public void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
    if ( listener instanceof <parser.grammarName>Listener )
    ((<parser.grammarName>Listener)listener).<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
    format="cap">(this);
}
>>

VisitorDispatchMethod(method) ::= <<
@Override
public <T> T accept(ParseTreeVisitor<? extends T> visitor) {
    if ( visitor instanceof <parser.grammarName>Visitor ) return ((<parser.grammarName>Visitor<? extends
    T>)visitor).visit<struct.derivedFromName; format="cap">(this);
    else return visitor.visitChildren(this);
}
>>

AttributeDecl(d) ::= "<d.type> <d.escapedName><if(d.initValue)>
= <d.initValue><endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>((<x.ctx.name>)_localctx).<endif><x.escapedName>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "((<actionChunk.ctx.name>)_localctx)"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken() ::= "_ctx.stop = _input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
    _localctx = new <ctxName>Context(_parentctx, _parentState);
    <if(label)>
    <if(isListLabel)>
    _localctx.<label>.add(_prevctx);
    <else>
    _localctx.<label> = _prevctx;
    <endif>
    <endif>
    pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```



```

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
  _localctx = new <currentAltLabel; format="cap">Context(new
    <ruleName; format="cap">Context(_parentctx, _parentState));
  <if(label)>
  <if(isListLabel)>
  ((<currentAltLabel; format="cap">Context)_localctx).<label>.add(_prevctx);
  <else>
  ((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
  <endif>
  <endif>
  pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
  _localctx = new <ctxName>Context(_localctx);
  _ctx = _localctx;
  _prevctx = _localctx;
>>

```

```

recRuleSetPrevCtx() ::= <<
  if ( _parseListeners!=null ) triggerExitRuleEvent();
  _prevctx = _localctx;
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
  <fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
  <if(lexerFile.genPackage)>
  package <lexerFile.genPackage>;
  <endif>
  <namedActions.header>
  import org.antlr.v4.runtime.Lexer;
  import org.antlr.v4.runtime.CharStream;
  import org.antlr.v4.runtime.Token;
  import org.antlr.v4.runtime.TokenStream;
  import org.antlr.v4.runtime.*;
  import org.antlr.v4.runtime.atn.*;
  import
    org.antlr.v4.runtime.dfa.DFA;
  import org.antlr.v4.runtime.misc.*;

  <lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
  @SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast", "CheckReturnValue"})
  public class <lexer.name> extends <superClass; null="Lexer"> {
    static { RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION); }

```

```

protected static final DFA[] _decisionToDFA;
protected static final PredictionContextCache _sharedContextCache =
    new PredictionContextCache();
<if(lexer.tokens)>
public static final int
    <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(lexer.escapedChannels)>
public static final int
    <lexer.escapedChannels:{c | <c>=<lexer.escapedChannels.(c)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.escapedModeNames))>
public static final int
    <rest(lexer.escapedModeNames){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static String[]
channelNames = {
    "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>, <lexer.channelNames:{c| "<c>">;
separator=", ", wrap, anchor><endif>
};

public static String[] modeNames = {
    <lexer.modes:{m| "<m>">; separator=", ", wrap, anchor>
};

private static String[] makeRuleNames() {
    return new String[] {
        <lexer.ruleNames:{r | "<r>">; separator=", ", wrap, anchor>
    };
}
public static final String[] ruleNames = makeRuleNames();

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

public <lexer.name>(CharStream input) {
    super(input);
    _interp = new LexerATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}

@Override
public String getGrammarFileName() { return "<lexer.grammarFileName>"; }

@Override
public String[] getRuleNames() { return ruleNames; }

```

```
@Override
public String getSerializedATN() { return _serializedATN; }
```

```
@Override
public String[] getChannelNames() { return channelNames; }
```

```
@Override
public String[] getModeNames()
{ return modeNames; }
```

```
@Override
public ATN getATN() { return _ATN; }
```

```
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>
```

```
SerializedJavaATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>
<model.segments:{segment|private static final String _serializedATNSegment<i0> =
"<segment; wrap={"+<\n><\t>">";}; separator="\n">
public static final String _serializedATN = Utils.join(
new String[] {
<model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
},
""
);
<else>
<! only one segment, can be inlined !>
public static final String _serializedATN =
"<model.serialized; wrap={"+<\n><\t>">";
<endif>
public static final ATN _ATN =
new ATNDeserializer().deserialize(_serializedATN.toCharArray());
static {
_decisionToDFA = new DFA[_ATN.getNumberOfDecisions()];
for (int i = 0; i < _ATN.getNumberOfDecisions(); i++) {
_decisionToDFA[i] = new DFA(_ATN.getDecisionState(i), i);
}
<! org.antlr.v4.tool.DOTGenerator
dot = new org.antlr.v4.tool.DOTGenerator(null);!>
<! System.out.println(dot.getDOT(_ATN.decisionToState.get(0), ruleNames, false));!>
<! System.out.println(dot.getDOT(_ATN.ruleToStartState[2], ruleNames, false));!>
}
>>
```

```

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>

```

```
codeFileExtension() ::= ".java"
```

Found in path(s):

```
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg
```

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```

/*
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 */

/** How to generate rules derived from left-recursive rules.
 * These rely on recRuleAltPredicate(),
 * recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
 * templates in main language.stg

```

```

*/
group LeftRecursiveRules;

recRule(ruleName, argName, primaryAlts, opAlts, setResultAction,
        userRetvals, leftRecursiveRuleRefLabels) ::=
<<
<ruleName><if(userRetvals)>
returns [<userRetvals>]<endif>
: ( { } <primaryAlts:{alt | <alt.altText> } ; separator="\n      | ">
  )
  (
    <opAlts; separator="\n      | ">
  )*
;
>>

```

```

recRuleAlt(alt, precOption, opPrec, pred) ::= <<
{<pred>}?<<precOption>=<opPrec>\> <alt.altText>
>>

```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg

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```

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*/

```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/TypeScriptTarget.java

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```

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*/

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ATNBuilder.java

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*/

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/SemanticPipeline.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/RuleCollector.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/StarBlock.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleTransformer.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenRef.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TestRig.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/MatchNotSet.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/GrammarASTAdaptor.java

*

/antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RuleElementAST.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursionDetector.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/DartTarget.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreePostScriptGenerator.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/ActionSniffer.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarSyntaxMessage.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/AttributeDict.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/SystemFontMetrics.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/DefaultOutputModelFactory.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_stop.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Loop.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Lexer.java

*

```

/antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreeLayoutAdaptor.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNPrinter.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/TailEpsilonRemover.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/AddToLabelList.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/OutputModelWalker.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/CodeGeneratorExtension.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/CSharpTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/ActionAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Wildcard.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/UseDefAnalyzer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Grammar.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/BasicFontMetrics.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ListenerDispatchMethod.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarRootAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetAttr.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/AnalysisPipeline.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarTransformPipeline.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreeView.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/OptionalBlockAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/Python3Target.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/OutputFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/CodeBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/GoTarget.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/SymbolCollector.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Attribute.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/OptionalBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/CodeGenerator.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/BlankActionSplitterListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_stop.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ParserFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ANTLRMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_pos.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LexerFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNVisitor.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionText.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/PostScriptDocument.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/JFileChooserConfirmOverwrite.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/OrderedHashMap.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/SetAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/DOTGenerator.java

```

- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/CodeGenPipeline.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/unicode/UnicodeDataTemplateController.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/EscapeSequenceParsing.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Rule.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/BuildDependencyGenerator.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListIndexedGetterDecl.java
- *
- /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ErrorType.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/DispatchMethod.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Sync.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/Decl.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/LexerFactory.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextToken.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/JavaTarget.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/MutableInt.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/LexerATNFactory.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ElementListDecl.java
- *
- /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAltInfo.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/InvokeRule.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/PHPTarget.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetNonLocalAttr.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ToolANTLRParser.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ListenerFile.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/Trees.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/PredAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/BlockAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_parser.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/SrcOp.java
- *
- /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/JavaScriptTarget.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/BasicSemanticChecks.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarSemanticsMessage.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Recognizer.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/MatchToken.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/SemPred.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/AttributeResolver.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/NotAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LexerGrammar.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/v4ParserException.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/PlusBlock.java


```

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ActionSplitterListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListGetterDecl.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/Graph.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RetValRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleElement.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/SwiftTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ArgAction.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RuleRefAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_ctx.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ExceptionClause.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/SymbolChecks.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_ctx.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/BaseVisitorFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_type.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/CppTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ANTLRToolListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/StarBlockAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_parser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/DefaultToolListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1Loop.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_index.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/LabelRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/CharSupport.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RuleAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/Target.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_text.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/LocalRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ScopeParser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextGetterDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/BaseListenerFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/OutputModelObject.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LeftRecursiveRule.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_start.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/UnicodeEscapes.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_channel.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ErrorSeverity.java

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- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ToolMessage.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ResyncToEndOfRuleBlock.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/OutputModelFactory.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/Tool.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/Python2Target.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LabelType.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/QuantifierAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/StructDecl.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTErrorNode.java
- *
- /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/TokenVocabParser.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1AltBlock.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/PlusBlockAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/AltAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_line.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/TerminalAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ParserATNFactory.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RangeAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/QRetValueRef.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/ParserFactory.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/VisitorFile.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Choice.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java
- *
- /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/MatchSet.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_text.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListGetterDecl.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/RuleContextDecl.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarParserInterpreter.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/ActionTranslator.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForOuterMostAlt.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleActionFunction.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNOptimizer.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Action.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/Utils.java
- *
- /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/EventManager.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleSempredFunction.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleFunction.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarAST.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ModelElement.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/AltBlock.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/dbg.java
- * /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1StarBlockSingleAlt.java

```

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/SerializedATN.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/AttributeChecks.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/TestSetInline.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/FrequencySet.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ToolANTLRLexer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_int.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Alternative.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ArgRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Parser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LabelElementPair.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/BlankOutputModelFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1Choice.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreeTextProvider.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LabeledOp.java
*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_start.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_text.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/GrammarToken.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/AltLabelStructDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/OutputModelController.java

```

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 */

```
tree grammar BlockSetTransformer;
options {
  language    = Java;
  tokenVocab  = ANTLRParser;
  ASTLabelType = GrammarAST;
  output      = AST;
  filter      = true;
}
```

```
@header {
package organtlr.v4.parse;
import organtlr.v4.misc.Utils;
import organtlr.v4.misc.*;
import organtlr.v4.tool.*;
import organtlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import
  java.util.HashSet;
import java.util.ArrayList;
import organtlr.v4.runtime.misc.IntervalSet;
}
```

```
@members {
public String currentRuleName;
public GrammarAST currentAlt;
public Grammar g;
public BlockSetTransformer(TreeNodeStream input, Grammar g) {
  this(input, new RecognizerSharedState());
  this.g = g;
}
}
```

```
topdown
: ^(RULE (id=TOKEN_REF|id=RULE_REF) {currentRuleName=$id.text;} .+)
| setAlt
| ebnfBlockSet
| blockSet
;
```

```

setAlt
: {inContext("RULE BLOCK")}?
  ALT {currentAlt = $start;}
;

// (BLOCK (ALT (+ (BLOCK (ALT INT) (ALT ID))))))
ebnfBlockSet
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ^(ebnfSuffix blockSet) -> ^(ebnfSuffix ^(BLOCK<BlockAST> ^(ALT<AltAST> blockSet)))
;

ebnfSuffix
@after {$tree = (GrammarAST)adaptor.dupNode($start);}
: OPTIONAL
  | CLOSURE
  | POSITIVE_CLOSURE
;

blockSet
@init {
  boolean inLexer = Grammar.isTokenName(currentRuleName);
}
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: {inContext("RULE")}?
  // top-level: rule block and > 1 alt
  ^(BLOCK ^(alt=ALT elementOptions? {((AltAST)$alt).altLabel==null}? setElement[inLexer]) ( ^(ALT
elementOptions? setElement[inLexer]) )+ )
  -> ^(BLOCK<BlockAST>[$BLOCK.token] ^(ALT<AltAST>[$BLOCK.token,"ALT"] ^(SET[$BLOCK.token,
"SET"] setElement+)))
  | {!inContext("RULE")}? // if not rule block and > 1 alt
  ^(BLOCK ^(ALT elementOptions? setElement[inLexer]) ( ^(ALT elementOptions? setElement[inLexer]) )+ )
  -> ^(SET[$BLOCK.token, "SET"] setElement+)
;

setElement[boolean inLexer]
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ( ^(a=STRING_LITERAL elementOptions) {!inLexer ||
CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
  | a=STRING_LITERAL {!inLexer || CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
  | {!inLexer}?=> ^(TOKEN_REF elementOptions)
  | {!inLexer}?=> TOKEN_REF

```

```
| {inLexer}?=> ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
  {CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1
&&
  CharSupport.getCharValueFromGrammarCharLiteral($b.getText())!=-1}?
)
;
```

```
elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;
```

```
elementOption
: ID
| ^(ASSIGN id=ID v=ID)
| ^(ASSIGN ID v=STRING_LITERAL)
| ^(ASSIGN ID v=ACTION)
| ^(ASSIGN ID v=INT)
;
```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/BlockSetTransformer.g
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*/

atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<

digraph ATN {

rankdir=LR;

```

<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>

```

```

dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph <name> {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges;
separator="\n">
}
>>

```

```

decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}; separator="; ">}
>>

```

```

edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

```

```

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

```

```

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

```

```

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
label="
    <! rest(transition) tests for decision states: these nodes have a non-empty
set of transitions after the first one. !>
    <if(rest(transitions))>
    {
    <! Label on the left side of the record node. !>
    <label>
    |
    <! Named ports in order on right side of record node, no display text. !>
    {<transitions:{t|\<p<i0>>}; separator="|">}}
    <else>

```



```

        <label>
    <endif>
    "
    <if(rest(transitions))>
        , shape=record, fixedsize=false
    <else>
        , shape=circle, fixedsize=true, width=.55
    <endif>
    , peripheries=1];
%>

stopstate(name,label,actionIndex,useBox) ::= <<
<name>[fontsize=11, label="<label><if(actionIndex)>\naction:<actionIndex><endif>",
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsize=false<else>shape=doublecircle, fixedsize=true,
width=.6<endif>];
>>

```

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/dot/graphs.stg

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```

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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
* For now, a simple string match used on x.y of x.y.z scheme.
* Must match Tool.VERSION during load to templates.
*
* REQUIRED.
*/

```

```

pythonTypeInitMap ::= [
    "bool": "False",
    "int": "0",
    "float": "0.0",
    "str": "",
    default: "None" // anything other
    than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

```

```

<namedActions.header>
<parser>

```

```

>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
<header>

```

```

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

```

```

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname>(format="cap")>(self, ctx):
    pass

```

```

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx):
    pass

}; separator="\n">

>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
from antlr4 import *
<header>

```

This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

```

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx):
    return self.visitChildren(ctx)

}; separator="\n">

>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

```

```

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    <if(parser.rules)>
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
    <endif>

    ruleNames = [ <parser.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType>.EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor)()>

    <namedActions.members>

    <funcs; separator="\n">

    <if(sempredFuncs)>
    def sempred(self, localctx, ruleIndex, predIndex):
        if self._predicates == None:
            self._predicates = dict()
    <parser.sempredFuncs.values:{ f
    |
        self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
        pred = self._predicates.get(ruleIndex, None)
        if pred is None:
            raise Exception("No predicate with index:" + str(ruleIndex))
        else:
            return pred(localctx, predIndex)

    <sempredFuncs.values; separator="\n">
    <endif>

```

```

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
    if self._actions is None:
        actions = dict()
    <recog.actionFuncs.values:{f|
        actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
        self._actions = actions
    action = self._actions.get(ruleIndex, None)
    if action is not None:
        action(localctx, actionIndex)
    else:
        raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):
    if self._predicates is None:
        preds = dict()
    <recog.sempredFuncs.values:{f|
        preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
        self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input, output=sys.stdout):
    super(<parser.name>, self).__init__(input, output=output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

```

/* This generates a private method since the actionIndex is generated, making an

```

* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx , actionIndex):
<actions:{index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> };; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx, predIndex):
    <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
<endif> };; separator="\n">
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>};; separator="\n">

def <currentRule.escapedName>(self<currentRule.args:{a | , <a.escapedName>}}>):

    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a
| , <a.escapedName>}}>)
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">

```

```

    <namedActions.after>
<if(exceptions)>
<exceptions; separator="\n">
<else>
except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
<endif>
finally:
    <finallyAction>
    self.exitRule()
return localctx

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=

<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.escapedName>(self, _p=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a
| , <a.escapedName>}>)
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    finally:
        <finallyAction>
        self.unrollRecursionContexts(_parentctx)
    return localctx

>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock,
locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
    pass}; separator="\n">
else:
    <error>

>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
    pass}; separator="\n">
else:
    pass
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
    <alts; separator="\n">

<!else if ( !(<followExpr> ) ) <error>!>
>>

```



```

LL1StarBlockSingleAlt(choice,
    loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ ==
    <i>:
        <alt>
        pass
}; separator="\n">

>>

```

```

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>

```

```

self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">

```

```
>>
```

```

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    if _alt==1<if(!choice.ast.greedy)>+1<endif>:
        <iteration>
        <alts> <! should only be one !>
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```
>>
```

```

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while
    _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
        <alts:{alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
            <alt>
}; separator="\nel">
        else:
            <error>
        self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
        self._errHandler.sync(self)
        _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```
>>
```

```
Sync(s) ::= "sync(<s.expecting.name>)"
```

```
ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"
```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" or ">

```

>>

```
// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>
```

```
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & <bits.calculated>) != 0)
%>
```

```
isZero ::= [
"0":true,
default:false
]
```

```
offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>
```

```
offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>
```

```
bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>==<t.type>}; separator=" or ">
%>
```

```
cases(tokens) ::= <<
if token in [<tokens:{t | <t.type>}; separator=", ">]:
>>
```

```
InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argE
xprsChunks>)
>>
```

```
MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>
```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m,
```

```

expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{l | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>

ExceptionClause(e, catchArg, catchAction)
::= <<
except <catchArg>:
    <catchAction>
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

```

```

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.escapedName>"
LocalRef(a) ::= "localctx.<a.escapedName>"
RetValRef(a) ::= "localctx.<a.escapedName>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType()
::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is
None else self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.escapedName> = None # <TokenLabelType>"
TokenTypeDecl(t) ::= "self.<t.escapedName> = 0 # <TokenLabelType> type"
TokenListDecl(t) ::= "self.<t.escapedName> = list() # of <TokenLabelType>s"
RuleContextDecl(r) ::= "self.<r.escapedName> = None # <r.ctxName>"
RuleContextListDecl(rdecl)

```

```
::= "self.<rdecl.escapedName> = list() # of <rdecl.ctxName>s"
```

```
ContextTokenGetterDecl(t) ::= <<  
def <t.escapedName>(self):  
    return self.getToken(<parser.name>.<t.name>, 0)  
>>
```

```
// should never be called  
ContextTokenListGetterDecl(t) ::= <<  
def <t.name>_list(self):  
    return self.getTokens(<parser.name>.<t.name>)  
>>
```

```
ContextTokenListIndexedGetterDecl(t) ::= <<  
def <t.escapedName>(self, i=None):  
    if i is None:  
        return self.getTokens(<parser.name>.<t.name>)  
    else:  
        return self.getToken(<parser.name>.<t.name>, i)  
>>
```

```
ContextRuleGetterDecl(r) ::= <<  
def <r.escapedName>(self):  
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)  
  
>>
```

```
// should never be called  
ContextRuleListGetterDecl(r) ::= <<  
def <r.name>_list(self):  
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)  
  
>>
```

```
ContextRuleListIndexedGetterDecl(r) ::= <<  
def <r.escapedName>(self, i=None):  
    if i is None:  
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)  
    else:  
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)  
  
>>
```

```
LexerRuleContext() ::= "RuleContext"
```

```
/** The rule context name is the rule followed by a suffix; e.g.,  
 * r becomes rContext.  
 */
```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
```

```
ImplicitSetLabel(id) ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"
```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,signatures) ::= <<
```

```
class <struct.escapedName>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
```

```
    def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{a | , <a.escapedName>=None}>):
        super(<parser.name>.<struct.name>, self).__init__(parent, invokingState)
```

```
    self.parser = parser
```

```
        <attrs:{a | <a>}; separator="\n">
```

```
        <struct.ctorAttrs:{a | self.<a.escapedName> = <a.escapedName>}; separator="\n">
```

```
    <getters:{g | <g>}; separator="\n\n">
```

```
    def getRuleIndex(self):
```

```
        return <parser.name>.RULE_<struct.derivedFromName>
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
    def copyFrom(self, ctx):
```

```
        super(<parser.name>.<struct.name>, self).copyFrom(ctx)
```

```
        <struct.attrs:{a | self.<a.escapedName> = ctx.<a.escapedName>}; separator="\n">
```

```
<endif>
```

```
    <dispatchMethods; separator="\n">
```

```
    <extensionMembers; separator="\n">
```

```
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
```

```
class <struct.escapedName>(<currentRule.name; format="cap">Context):
```

```
    def __init__(self, parser, ctx): # actually a <parser.name>.<currentRule.name; format="cap">Context)
```

```
        super(<parser.name>.<struct.name>, self).__init__(parser)
```

```
        <attrs:{a | <a>}; separator="\n">
```

```
        self.copyFrom(ctx)
```

```
    <getters:{g | <g>}; separator="\n">
```

```
    <dispatchMethods; separator="\n">
```

>>

```
ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener):
    if hasattr(listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format='cap'>"):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format='cap'>(self)
```

>>

```
VisitorDispatchMethod(method) ::= <<
def accept(self, visitor):
    if hasattr(visitor, "visit<struct.derivedFromName; format='cap'>"):
        return visitor.visit<struct.derivedFromName; format='cap'>(self)
    else:
        return visitor.visitChildren(self)
```

>>

```
AttributeDecl(d) ::= "self.<d.escapedName> = <if(d.initValue)><d.initValue><else>None<endif>"
```

```
/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.escapedName>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk)
::= "localctx"
```

```
// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format='cap'>Context(self, <parser.name>.<ruleName;
format='cap'>Context(self, _parentctx, _parentState))
<if(label)>
```



```

<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState,
    self.RULE_<ruleName>)
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

```

```

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

```

```

<namedActions.header>

```

```

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>

<atn>

```

```

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    <if(lexer.escapedChannels)>
        <lexer.escapedChannels:{c| <c> = <lexer.escapedChannels.(c)>}; separator="\n">

    <endif>

    <if(rest(lexer.escapedModeNames)>
        <rest(lexer.escapedModeNames):{m| <m> = <i>}; separator="\n">

    <endif>

    <if(lexer.tokens)>
        <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channelNames)>,
    <lexer.channelNames:{c| u"<c>"}; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| u"<m>"}; separator=", ", wrap, anchor> ]

    literalNames = [ u"\<INVALID>",
        <lexer.literalNames:{t | u"<t>"}; separator=", ", wrap, anchor> ]

    symbolicNames = [ u"\<INVALID>",
        <lexer.symbolicNames:{t | u"<t>"}; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

    grammarFileName = u"<lexer.grammarFileName>"

    def __init__(self, input=None, output=sys.stdout):

        super(<lexer.name>, self).__init__(input, output=output)
        self.checkVersion("<lexerFile.ANTLRVersion>")
        self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
        self._actions = None
        self._predicates = None

    <namedActions.members>

    <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<

```

```
def serializedATN():
    return [
        <model.serialized: {s | <s>}; separator="," wrap>
    ]
>>
```

```
/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".py"
```

Found in path(s):

```
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
No license file was found, but licenses were detected in source scan.
```

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```
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```

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 */
```

Found in path(s):

```
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```

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*/

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- */

/** templates used to generate make-compatible dependencies */

```
/** Generate "f : x, y, z" dependencies for input
 * dependencies and generated files. in and out
 * are File objects. For example, you can say
 * <f.canonicalPath>
 */
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>}>;
separator="\n">
>>
```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/depend.stg

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```

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 */

```
// File    : A3Lexer.g
// Author   : Jim Idle (jimi@temporal-wave.com)
// Copyright : Free BSD - See @header clause below
// Version  : First implemented as part of ANTLR 3.2 this is the self
//            hosting ANTLR 3 Lexer.
//
// Description
// -----
// This is the definitive lexer grammar for parsing ANTLR V3.x.x grammars. All other
// grammars are
// derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grammars A3Parser.g and A3Walker.g exhibit the following
// traits, which are recommended for all production quality grammars:
//
// 1) They are separate grammars, not composite grammars;
// 2) They implement all supporting methods in a superclass (at least this is recommended
//    for language targets that support inheritance;
// 3) All errors are pushed as far down the parsing chain as possible, which means
//    that the lexer tries to defer error reporting to the parser, and the parser
//    tries to defer error reporting to a semantic phase consisting of a single
//    walk of the AST. The reason for this is that the error messages produced
//    from later phases of the parse will generally have better context and so
//    be more useful to the end user. Consider the message: "Syntax error at 'options'"
//    vs: "You cannot specify two options{}
//        sections in a single grammar file".
// 4) The lexer is 'programmed' to catch common mistakes such as unterminated literals
//    and report them specifically and not just issue confusing lexer mismatch errors.
//
/** Read in an ANTLR grammar and build an AST. Try not to do
 * any actions, just build the tree.
 *
 * The phases are:
 *
 * A3Lexer.g (this file)
 *     A3Parser.g
 *     A3Verify.g (derived from A3Walker.g)
 * assign.types.g
```

```

* define.g
* buildnfa.g
* antlr.print.g (optional)
* codegen.g
*
* Terence Parr
* University of San Francisco
* 2005
* Jim Idle (this v3 grammar)
* Temporal Wave LLC
* 2009
*/
lexer grammar ANTLRLexer;

// =====
// Note that while this grammar does not care about order of constructs
// that don't really matter, such as options before @header etc, it must first
// be parsed by the original v2 parser, before it replaces it. That parser
// does
// care about order of structures. Hence we are constrained by the v2 parser
// for at least the first bootstrap release that causes this parser to replace
// the v2 version.
// =====

// -----
// Options
//
// V3 option directives to tell the tool what we are asking of it for this
// grammar.
//
options {

// Target language is Java, which is the default but being specific
// here as this grammar is also meant as a good example grammar for
// for users.
//
language    = Java;

// The super class that this lexer should expect to inherit from, and
// which contains any and all support routines for the lexer. This is
// commented out in this baseline (definitive or normative grammar)
// - see the ANTLR tool implementation for hints on how to use the super
// class
//
//superclass = AbstractA3Lexer;
}

tokens { SEMPRED; TOKEN_REF; RULE_REF; LEXER_CHAR_SET; ARG_ACTION; }

```



```
// Include the copyright
in this source and also the generated source
//
@lexer::header {
/*
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```

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```
*/
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.runtime.misc.Interval;
}
```

```
@members {
public static final int COMMENTS_CHANNEL = 2;

public CommonTokenStream tokens; // track stream we push to; need for context info
public boolean isLexerRule = false;

public void grammarError(ErrorType etype, org.antlr.runtime.Token token, Object... args) { }

/** scan backwards from current point in this.tokens list
```

```

* looking for the start of the rule or
subrule.
* Return token or null if for some reason we can't find the start.
*/
public Token getRuleOrSubruleStartToken() {
    if (tokens == null) return null;
    int i = tokens.index();
    int n = tokens.size();
    if (i >= n) i = n - 1; // seems index == n as we lex
    boolean withinOptionsBlock = false;
    while (i >= 0 && i < n) {
        int ttype = tokens.get(i).getType();
        if (withinOptionsBlock) {
            // Ignore rule options content
            if (ttype == OPTIONS) {
                withinOptionsBlock = false;
            }
        }
        else {
            if (ttype == RBRACE) {
                withinOptionsBlock = true;
            }
            else if (ttype == LPAREN || ttype == TOKEN_REF || ttype == RULE_REF) {
                return tokens.get(i);
            }
        }
        i--;
    }
    return null;
}

// -----
// Comments
//
// ANTLR comments can be multi or single line and we don't care
// which particularly. However we also accept Javadoc style comments
// of the form: /** ... */ and we do take care to distinguish those
// from ordinary multi-line comments
//
// Note how we guide the lexical PATH because we want to issue a descriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We also trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init {

```

```

// Record the start line and offsets as if we need to report an
// unterminated comment, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = $line;
int offset  = getCharPositionInLine();
}

: // Eat the first character only, then see if we have a comment
  // or something silly.
  //
  '/' // Comment introducer

(
  // Single line comment, possibly with embedded src/line directives
  // in a similar style to the C pre-processor, allowing generated
  // code to refer the programmer back to the original source code
  // in case of error.
  //
  '/'
  (
    (' $ANTLR')=> ' $ANTLR' SRC
    | ~NLCHARS*
  )

| // Multi-line comment, which may be a documentation comment
  // if it starts /** (note that we protect against accidentally
  // recognizing a comment /**/ as a documentation comment
  //
  /** (
    { input.LA(2) != '/' }?=> '*' { $type = DOC_COMMENT; }
    | { true }?=> // Required to cover all alts with predicates
  )

  // Should we support embedded multiline comments here?
  //
  (
    // Pick out end of multiline comment and exit the loop
    // if we find it.
    //
    { !(input.LA(1) == '*' && input.LA(2) == '/') }?

    // Anything else other than the non-greedy match of
    // the comment close sequence
    //
    .

```

```

)*
(
    // Look for the comment terminator, but if it is accidentally
    // unterminated, then we will hit EOF, which will trigger the
    // epsilon alt and hence we can issue an error message relative
    // to the start of the unterminated multi-line comment
    //
    '*/'

    | // Unterminated comment!
    //
    {
        // ErrorManager.msg(Msg.UNTERMINATED_DOC_COMMENT, startLine, offset, $pos, startLine,
offset, $pos, (Object)null);
    }
)

| // There was nothing that made sense following the opening '/' and so
// we issue an error regarding the malformed comment
//
{
    // TODO: Insert error message relative to comment start
    //
}
)
{
    // We do not wish to pass the comments in to the parser. If you are

    // writing a formatter then you will want to preserve the comments off
    // channel, but could just skip and save token space if not.
    //
    $channel=COMMENTS_CHANNEL;
}
;

```

ARG_OR_CHARSET

```

options {k=1;}
: {isLexerRule}?=> LEXER_CHAR_SET {$type=LEXER_CHAR_SET;}
| {!isLexerRule}?=> ARG_ACTION
{
    $type=ARG_ACTION;
    // Set the token text to our gathered string minus outer [ ]
    String t = $text;
    t = t.substring(1,t.length()-1);
    setText(t);
}
;

```

```

fragment
LEXER_CHAR_SET
: '['
  ( '\\' ~('r'|\n')
    | ~('r'|\n'\\'|'])
  )*
  ']'
;

// -----
// Argument specs
//
// Certain argument lists, such as those specifying call parameters
// to a rule invocation, or input parameters to a rule specification
// are contained within square brackets. In the lexer we consume them
// all at once and sort them out later in the grammar analysis.
//
fragment
ARG_ACTION
: '['
  (
    ARG_ACTION
    | ('')=>ACTION_STRING_LITERAL
    | ('\"')=>ACTION_CHAR_LITERAL
    | ~('[|']')
  )*
  ']'
;

// -----
// Actions
//
// Other than making sure to distinguish between { and } embedded
// within what we have assumed to be literals in the action code, the
// job of the lexer is merely to gather the code within the action
// (delimited by {}) and pass it to the parser as a single token.
// We know that this token will be asked for its text somewhere
// in the upcoming parse, so setting the text here to exclude
// the delimiting {} is no additional overhead.
//
ACTION
: NESTED_ACTION ( '?' { $type = SEMPRED; } )?
;

```

```

// -----
// Action structure
//
// Many language targets use {} as block delimiters and so we
// must recursively match {} delimited blocks to balance the
// braces. Additionally, we must make some assumptions about
// literal string representation in the target language. We assume
// that they are delimited
// by ' or " and so consume these
// in their own alts so as not to inadvertently match {}.
// This rule calls itself on matching a {
//
fragment
NESTED_ACTION
@init {

    // Record the start line and offsets as if we need to report an
    // unterminated block, then we want to show the start of the comment
    // we think is broken, not the end, where people will have to try and work
    // it out themselves.
    //
    int startLine = getLine();
    int offset   = getCharPositionInLine();
}

: // Action and other blocks start with opening {
  //
  '{'
  (
    // And now we can match one of a number of embedded
    // elements within the action until we find a
    // } that balances the opening {. If we do not find
    // the balanced } then we will hit EOF and can issue
    // an error message about the brace that we believe to
    // be mismatched. This won't be foolproof but we will
    // be able to at least report an error against the
    // opening brace that we feel is in error
    and this will
    // guide the user to the correction as best we can.
    //

    // An embedded {} block
    //
    NESTED_ACTION

    | // What appears to be a literal

```

```

//
ACTION_CHAR_LITERAL

| // We have assumed that the target language has C/Java
// type comments.
//
COMMENT

| // What appears to be a literal
//
ACTION_STRING_LITERAL

| // What appears to be an escape sequence
//
ACTION_ESC

| // Some other single character that is not
// handled above
//
~("\|'\"|\"'|'{'|'}')

)*

(
// Correctly balanced closing brace
//
'}'

| // Looks like have an imbalanced {} block, report
// with respect to the opening brace.
//
{
// TODO: Report imbalanced {}
System.out.println("Block starting at line " + startLine + " offset " + (offset+1) + " contains imbalanced {} or
is missing
a }");
}
)
;

// Keywords
// -----
// Keywords may not be used as labels for rules or in any other context
// where they would be ambiguous with the keyword vs some other identifier
// OPTIONS, TOKENS, and CHANNELS must also consume the opening brace that captures
// their option block, as this is the easiest way to parse it separate
// to an ACTION block, despite it using the same {} delimiters.

```

```

//
OPTIONS    : 'options' WSNLCHARS* '{' ;
TOKENS_SPEC : 'tokens' WSNLCHARS* '{' ;
CHANNELS    : 'channels' WSNLCHARS* '{' ;

IMPORT     : 'import'          ;
FRAGMENT   : 'fragment'        ;
LEXER      : 'lexer'           ;
PARSER     : 'parser'          ;
GRAMMAR    : 'grammar'         ;
RETURNS    : 'returns'         ;
LOCALS     : 'locals'          ;
THROWS     : 'throws'          ;
CATCH      : 'catch'           ;
FINALLY    : 'finally'         ;
MODE       : 'mode'            ;

// -----
//
Punctuation
//
// Character sequences used as separators, delimiters, operators, etc
//
COLON      : ':'
    {
        // scan backwards, looking for a RULE_REF or TOKEN_REF.
        // which would indicate the start of a rule definition.
        // If we see a LPAREN, then it's the start of the subrule.
        // this.tokens is the token string we are pushing into, so
        // just loop backwards looking for a rule definition. Then
        // we set isLexerRule.
        Token t = getRuleOrSubruleStartToken();
        if ( t!=null ) {
            if ( t.getType()==RULE_REF ) isLexerRule = false;
            else if ( t.getType()==TOKEN_REF ) isLexerRule = true;
            // else must be subrule; don't alter context
        }
    }
;
COLONCOLON : '::'              ;
COMMA      : ','               ;
SEMI       : ';'               ;
;
LPAREN     : '('               ;
RPAREN     : ')'               ;
RARROW     : '->'              ;
LT         : '<'                ;
GT         : '>'                ;

```



```

ASSIGN      : '='          ;
QUESTION    : '?'          ;
STAR        : '*'          ;
PLUS        : '+'          ;
PLUS_ASSIGN : '+='         ;
OR          : '|'          ;
DOLLAR      : '$'          ;
DOT         : '.'          ; // can be WILDCARD or DOT in qid or imported rule ref
RANGE       : '..'         ;
AT          : '@'          ;
POUND       : '#'          ;
NOT         : '~'          ;
RBRACE      : '}'          ;

```

/** Allow unicode rule/token names */

```

ID : a=NameStartChar NameChar*
{
  if ( Grammar.isTokenName($a.text) ) $type = TOKEN_REF;
  else $type = RULE_REF;
}
;

```

fragment

NameChar : NameStartChar

```

| '0'..'9'
| '_'
| '\u00B7'
| '\u0300'..\u036F'
| '\u203F'..\u2040'
;

```

fragment

NameStartChar

```

: 'A'..'Z' | 'a'..'z'
| '\u00C0'..\u00D6'
| '\u00D8'..\u00F6'
| '\u00F8'..\u02FF'
| '\u0370'..\u037D'
| '\u037F'..\u1FFF'
| '\u200C'..\u200D'
| '\u2070'..\u218F'
| '\u2C00'..\u2FEF'
| '\u3001'..\uD7FF'
| '\uF900'..\uFDCF'
| '\uFDF0'..\uFEFE'
| '\uFF00'..\uFFFD'
; // ignores | [\u10000-\uEFFFE] ;

```

```

// -----
// Literals embedded in actions
//
// Note that we have made the assumption that the language used within
// actions uses the fairly standard " and ' delimiters for literals and
// that within these literals, characters are escaped using the \ character.
// There are some languages which do
// not conform to this in all cases, such
// as by using /string/ and so on. We will have to deal with such cases if
// if they come up in targets.
//

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal characters. Within these, we do
// not want to inadvertently match things like '}' and so we eat them
// specifically. While this rule is called CHAR it allows for the fact that
// some languages may use/allow ' as the string delimiter.
//
fragment
ACTION_CHAR_LITERAL
: "\"" ((\\)=>ACTION_ESC | ~\" )* "\""
;

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal strings. Within these, we do
// not want to inadvertently match things like '}' and so we eat them
// specifically.
//
fragment
ACTION_STRING_LITERAL
: "\"" ((\\)=>ACTION_ESC | ~\" )* "\""
;

// Within literal strings and characters that are not part of the ANTLR
// syntax, we must allow for escaped character sequences
// so that we do not
// inadvertently recognize the end of a string or character when the terminating
// delimiter has been escaped.
//
fragment
ACTION_ESC
: "\\" .
;

// -----
// Integer
//

```

```

// Obviously (I hope) match an arbitrary long sequence of digits.
//
INT : ('0'..'9')+
    ;

// -----
// Source spec
//
// A fragment rule for picking up information about an originating
// file from which the grammar we are parsing has been generated. This allows
// ANTLR to report errors against the originating file and not the generated
// file.
//
fragment
SRC : 'src' WSCHARS+ file=ACTION_STRING_LITERAL WSCHARS+ line=INT
    {
        // TODO: Add target specific code to change the source file name and current line number
        //
    }
    ;

// -----
// Literal string
//
// ANTLR makes no distinction between a single character literal and a
// multi-character string. All literals are single quote delimited and
// may contain unicode escape sequences of the form \uxxxx
// or \u{xxxxxx},
// where x is a valid hexadecimal number.
STRING_LITERAL
: "\"" ( ( ESC_SEQ | ~("\\"|"\"|\"r\"|\"n\" ) ) ) *
  (
    "\""
    | // Unterminated string literal
      {
        Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
        t.setLine(state.tokenStartLine);
        t.setText(state.text);
        t.setCharPositionInLine(state.tokenStartCharPositionInLine);
        grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
      }
  )
  ;

// A valid hex digit specification
//
fragment
HEX_DIGIT : ('0'..'9'|'a'..'f'|'A'..'F') ;

```

```

// Any kind of escaped character that we can embed within ANTLR
// literal strings.
//
fragment
ESC_SEQ
: '\\'
(
    // The standard escaped character set such as tab, newline, etc...
    'b'|'t'|'n'|'f'|'r'|'\"'|'\\'|'u'

    | // A Java style Unicode escape sequence
    UNICODE_ESC

    | // A
    Swift/Hack style Unicode escape sequence
    UNICODE_EXTENDED_ESC

    | // An illegal escape sequence
    ~( 'b'|'t'|'n'|'f'|'r'|'\"'|'\\'|'u' ) // \x for any invalid x (make sure to match char here)
    {
        Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-2, getCharIndex()-1);
        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-2);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, input.substring(getCharIndex()-
2,getCharIndex()-1));
    }
)
;

fragment
UNICODE_ESC
@init {

    // Flag to tell us whether we have a valid number of
    // hex digits in the escape sequence
    //
    int hCount = 0;
}

: 'u' // Leadin for unicode escape sequence

    // We now require 4 hex digits. Note though
    // that we accept any number of characters
    // and issue an error if we do not get
4. We cannot
    // use an infinite count such as + because this
    // might consume too many, so we lay out the lexical
    // options and issue an error at the invalid paths.

```

```

    //
    (
    (
        HEX_DIGIT { hCount++; }
        (
            HEX_DIGIT { hCount++; }
            (
                HEX_DIGIT { hCount++; }
                (
                    // Four valid hex digits, we are good
                    //
                    HEX_DIGIT { hCount++; }

                    | // Three valid digits
                )

                | // Two valid digits
            )

            | // One valid digit
        )
    )
    | // No valid hex digits at all
)

// Now check the digit count and issue an error if we need to
//
{
    if (hCount < 4) {
        Interval badRange = Interval.of(getCharIndex()-2-hCount, getCharIndex());
        String lastChar = input.substring(badRange.b,
badRange.b);
        if ( lastChar.codePointAt(0)=="\" ) {
            badRange.b--;
        }
        String bad = input.substring(badRange.a, badRange.b);
        Token t = new CommonToken(input, state.type, state.channel, badRange.a, badRange.b);
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, bad);
    }
}

;

fragment
UNICODE_EXTENDED_ESC
: 'u{' // Leadin for unicode extended escape sequence

```

```

    HEX_DIGIT+ // One or more hexadecimal digits

    '}' // Leadout for unicode extended escape sequence

    // Now check the digit count and issue an error if we need to
    {
        int numDigits = getCharIndex()-state.tokenStartCharIndex-6;
        if (numDigits > 6) {
            Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-
1);
            t.setText(t.getText());
            t.setLine(input.getLine());
            t.setCharPositionInLine(input.getCharPositionInLine()-numDigits);
            grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t,
input.substring(state.tokenStartCharIndex, getCharIndex()-1));
        }
    }
    ;

    // -----
    // Whitespace
    //
    // Characters and character constructs that are of no import
    // to the parser and are used to make the grammar easier to read
    // for humans.
    //
    WS
    : (
        ' '
        | '\t'
        | '\r'
        | '\n'
        | '\f'
    )+
    {$channel=HIDDEN;}
    ;

    // A fragment rule for use in recognizing end of line in
    // rules like COMMENT.
    //
    fragment
    NLCHARS
    : '\n' | '\r'
    ;

    // A fragment rule for recognizing traditional whitespace
    // characters within lexer rules.
    //

```

```

fragment
WSCHARS
    : ' ' | '\t' | '\f'
    ;

// A fragment rule for recognizing both traditional whitespace and
// end of line markers, when we don't care to distinguish but don't
// want any action code going on.
//
fragment
WSNLCHARS
    : ' ' | '\t' | '\f' | '\n' | '\r'
    ;

// This rule allows ANTLR 4 to parse grammars using the UTF-8 encoding with a
// byte order mark. Since this Unicode character doesn't appear as a token
// anywhere else in the grammar, we can simply skip all instances of it without
// problem. This rule will not break usage of \uFEFF inside a LEXER_CHAR_SET or
// STRING_LITERAL.
UnicodeBOM
    : '\uFEFF' {skip();}
    ;

// -----
// Illegal Character
//
// This is an illegal character trap which is always the last rule in the
// lexer specification. It matches a single character of any value and being
// the last rule in the file will match when no other rule knows what to do
// about the character. It is reported as an error but is not passed on to the
// parser. This means that the parser to deal with the grammar file anyway
// but we will not try to analyse or code generate from a file with lexical
// errors.
//
ERRCHAR
    : .
    {
        Token t = new CommonToken(input,
state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
        t.setLine(state.tokenStartLine);
        t.setText(state.text);
        t.setCharPositionInLine(state.tokenStartCharPositionInLine);
        String msg = getTokenErrorDisplay(t) + " came as a complete surprise to me";
        grammarError(ErrorType.SYNTAX_ERROR, t, msg);
        state.syntaxErrors++;
        skip();
    }
    ;

```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ANTLR Lexer.g

No license file was found, but licenses were detected in source scan.

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*/

SwiftTypeInitMap ::= [

"Int": "0",

"Int64": "0",

"Float": "0.0",

"Double": "0.0",

"Bool": "false",

default: "nil" // anything other than a primitive type is an object

]

SwiftTypeMap ::= [

"int": "Int",

"float": "Float",


```

"long": "Int64",
"double": "Double",
"bool": "Bool",
"boolean": "Bool",
default : key
]
// args must be <object-model-object>,
<fields-resulting-in-STs>

accessLevelOpenOK(obj) ::= "<obj.accessLevel; null=\"open\">"
accessLevelNotOpen(obj) ::= "<obj.accessLevel; null=\"public\">"

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete listener for a parse tree produced by
 * {@link <file.parserName>}.
 */
<accessLevelNotOpen(file)> protocol <file.grammarName>Listener: ParseTreeListener {
  <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.{lname})>
 * Enter a parse tree produced by the {@code <lname>}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.{lname}>}.
<else>
 * Enter a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)

```

```

/**
<if(file.listenerLabelRuleNames.(lname))>
* Exit a parse tree produced by the {@code <lname>}
* labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>}.
<else>
* Exit a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)); separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>

```

```

import Antlr4

```

```

/**
* This class provides an empty implementation of {@link <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle
a subset
* of the available methods.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseListener: <file.grammarName>Listener {
  <accessLevelNotOpen(file)> init() { \}
  <file.listenerNames:{lname |

```

```

/**
* {@inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
<accessLevelOpenOK(file)> func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \}
/**
* {@inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
<accessLevelOpenOK(file)> func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \} }; separator="\n">

```

```

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enterEveryRule(_ ctx: ParserRuleContext) throws { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) throws { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitTerminal(_ node: TerminalNode) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitErrorNode(_ node: ErrorNode) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by {@link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>Visitor\<T>: ParseTreeVisitor\<T> {
    <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>

```

```

* Visit a parse tree produced by the {@code <lname>}
* labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.<lname>>}.
<else>
* Visit a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
- Parameters:
- ctx: the parse tree
- returns: the visitor result
*/

<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T {
    fatalError("#function + " must be overridden")
}
}; separator="\n"
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
* This class provides an empty implementation of {@link <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor\<T>: AbstractParseTreeVisitor\<T> {
    <file.visitorNames:{lname
    |
    /**
    * {@inheritDoc\}
    *
    * \<p>The default implementation returns the result of calling
    * {@link #visitChildren\} on {@code ctx\}.\</p>
    */
    <accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}}; separator="\n"
    }
    >>

fileHeader(grammarFileName, ANTLRVersion) ::= <<

```

```

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<!/@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})!>
<accessLevelOpenOK(parser)> class <parser.name>: <superClass; null="Parser"> {

    internal static var _decisionToDFA: [DFA] = {
        var decisionToDFA = [DFA]()
        let length = <parser.name>._ATN.getNumberOfDecisions()
        for i in 0..

```

```

func getRuleNames() -> [String] { return <parser.name>.ruleNames
}

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> [Int] { return <parser.name>._serializedATN }

override <accessLevelOpenOK(parser)>
func getATN() -> ATN { return <parser.name>._ATN }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int)throws -> Bool {
switch (ruleIndex) {
<parser.sempredFuncs.values:{f|
case <f.ruleIndex>:
return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
default: return true
}
<!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>

<accessLevelNotOpen(parser)>
static let _ATN = try! ATNDeserializer().deserialize(_serializedATN)
}
>>

vocabulary(literalNames, symbolicNames, accessLevel) ::= <<
private static let _LITERAL_NAMES: [String?] = [
<literalNames:{t | <t>}; null="nil", separator=", ", wrap,
anchor>
]
private static let _SYMBOLIC_NAMES: [String?] = [
<symbolicNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
<accessLevel>
static let VOCABULARY = Vocabulary(_LITERAL_NAMES, _SYMBOLIC_NAMES)
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>

```

```

override <accessLevelOpenOK(parser)>
func action(_ _localctx: RuleContext?, _ ruleIndex: Int, _ actionIndex: Int) throws {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
    try <f.name>_action((_localctx as <f.ctxType>?), actionIndex)
        }; separator="\n">
    default: break
    }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int) throws -> Bool {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
    return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
    default: return true
    }
    <!return
    true;!!>
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<

override <accessLevelOpenOK(parser)>
func getVocabulary() -> Vocabulary {
    return <p.name>.VOCABULARY
}

override <accessLevelNotOpen(parser)>
init(_ input:TokenStream) throws {
    RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION)
    try super.init(input)
    _interp = ParserATNSimulator(self,<p.name>._ATN,<p.name>._decisionToDFA,
    <p.name>._sharedContextCache)
}

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleActionFunction(r, actions) ::= <<
private func <r.name>_action(_ _localctx: <r.ctxType>?, _ actionIndex: Int) throws {
  switch (actionIndex) {
    <actions:{index|
case <index>:
  <actions.(index)>
  }; separator="\n">
  default: break
  }
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private func <r.name>_sempred(_ _localctx: <r.ctxType>!, _ predIndex: Int) throws -> Bool {
  switch (predIndex) {
    <actions:{index|
  case <index>:return <actions.(index)>; separator="\n">
  default: return true
  }
  <!return true;!>
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
@@discardableResult
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelOpenOK(parser)> func
<endif><currentRule.escapedName>(<if(first(args))>_ <endif><args; separator=", ">) throws ->
<currentRule.ctxType> {
  var _localctx: <currentRule.ctxType>
  _localctx = <currentRule.ctxType>(_ctx, getState()<currentRule.args:{a | , <a.escapedName>}>)
  try enterRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>)
  <namedActions.init>
  <locals; separator="\n">
  defer {

    <finallyAction>
    try! exitRule()
  }
  do {
  <if(currentRule.hasLookaheadBlock)>
  var _alt:Int
  <endif>

```



```

<code>
<postamble; separator="\n">
  <namedActions.after>
}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch ANTLRException.recognition(let re) {
  _localctx.exception = re
  _errHandler.reportError(self, re)
  try _errHandler.recover(self, re)
}
<endif>

return _localctx
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
  namedActions,finallyAction,postamble) ::=

<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelNotOpen(parser)> final <endif>
func <currentRule.escapedName>(<if(first(args))>_ <endif><args; separator=", _">) throws ->
<currentRule.ctxType> {
  return try <currentRule.escapedName>(0<currentRule.args:{a | , <a.escapedName>}>)
}
@discardableResult
private func <currentRule.escapedName>(_ _p<args:{a | , <a>}>:
  Int) throws -> <currentRule.ctxType> {
  let _parentctx: ParserRuleContext? = _ctx
  let _parentState: Int = getState()
  var _localctx: <currentRule.ctxType>
  _localctx = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | , <a.escapedName>}>)
  var _prevctx: <currentRule.ctxType> = _localctx
  let _startState: Int = <currentRule.startState>
  try enterRecursionRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p)
  <namedActions.init>
  <locals; separator="\n">
  defer {
    <finallyAction>
    try! unrollRecursionContexts(_parentctx)
  }
  do {
  <if(currentRule.hasLookaheadBlock)>

```

```

    var _alt: Int
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch ANTLRException.recognition(let re) {
    _localctx.exception = re
    _errHandler.reportError(self, re)
    try _errHandler.recover(self, re)
}

return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx
= <currentOuterMostAltCodeBlock.altLabel; format="cap">Context(_localctx);<endif>
try enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<!/{!>
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
<!/{}!>
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt | <cases(tokens=look)>
<alt>
break}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)

```

```

switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
    <alt>
break}); separator="\n">
default:
break
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
if (<expr>) {
    <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
while (<loopExpr>) {
    <alts; separator="\n">
    setState(<choice.loopBackStateNumber>)
    try _errHandler.sync(self)
    <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>) <! alt block decision !>
try _errHandler.sync(self)
<preamble; separator="\n">
repeat {
    <alts; separator="\n">
    setState(<choice.stateNumber>); <! loopback/exit decision !>
    try _errHandler.sync(self)
    <iteration>
} while (<loopExpr>)
>>

```

// LL(*) stuff

```

AltBlock(choice,
preamble, alts, error) ::= <<
setState(<choice.stateNumber>)

```

```

try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch(try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)) {
<alts:{alt |
case <i>:
<alt>
break}); separator="\n">
default: break
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break}); separator="\n">
default: break
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>)
try
_errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
try _errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
repeat {
switch (_alt) {
<alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:

```

```

<alt>
break}; separator="\n">
default:
  <error>
}
setState(<choice.loopBackStateNumber>); <!-- loopback/exit decision !>
try _errHandler.sync(self)
  _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER)
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw ANTLRException.recognition(e: NoViableAltException(self))"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

//
Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
(Int64(<shiftAmount>) & ~0x3f) == 0
>>

bitsetBitfieldComparison(s, bits) ::= <<
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((Int64(1) \< <offsetShift(s.varName,
bits.shift)>) & <bits.calculated>) != 0)
>>

isZero ::= [
"0": true,
default: false
]
parserName(t) ::= <%
<parser.name>.Tokens.<t.name>.rawValue
%>
offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName> == <parser.name>.Tokens.<t.name>.rawValue}; separator=" || ">
%>

cases(tokens) ::= <<
<trunc(tokens): {t | case .<t.name>:fallthrough} ; separator="\n">

```

```
<last(tokens): {t | case .<t.name>:} ; separator="\n">
```

```
>>
```

```
InvokeRule(r, argExprsChunks) ::= <<
```

```
  setState(<r.stateNumber>)
```

```
  <if(r.labels)>
```

```
  try {
```

```
    let assignmentValue = try
```

```
    <r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)
```

```
    <r.labels:{l
```

```
    | <labelref(l)> = assignmentValue} ; separator="\n">
```

```
    }()
```

```
  <else>try
```

```
  <r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)<
```

```
  endif>
```

```
>>
```

```
MatchToken(m) ::= <<
```

```
  setState(<m.stateNumber>)
```

```
  <if(m.labels)>
```

```
  try {
```

```
    let assignmentValue = try match(<parser.name>.Tokens.<m.escapedName>.rawValue)
```

```
    <m.labels:{l | <labelref(l)> = assignmentValue} ; separator="\n">
```

```
    }()
```

```
  <else>try match(<parser.name>.Tokens.<m.escapedName>.rawValue)<endif>
```

```
>>
```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<
```

```
  setState(<m.stateNumber>)
```

```
  <if(m.labels)><m.labels:{l | <labelref(l)> = }>try _input.LT(1)<endif>
```

```
  <capture>
```

```
  if (<if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>)) {
```

```
    <if(m.labels)><m.labels:{l
```

```
    | <labelref(l)> = }><endif>try _errHandler.recoverInline(self)<if(m.labels)> as Token<endif>
```

```
  }
```

```
  else {
```

```
    _errHandler.reportMatch(self)
```

```
    try consume()
```

```
  }
```

```
>>
```

```
Wildcard(w) ::= <<
```

```
  setState(<w.stateNumber>)
```

```
  <if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>try matchWildcard();
```

```

>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>)
if (!(<chunks>)) {
    throw ANTLRException.recognition(e:FailedPredicateException(self, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>))
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg)    ::= "_type = <arg>"
LexerChannelCommand(arg) ::= "_channel = <arg>"
LexerModeCommand(arg)    ::= "_mode =
    <arg>"
LexerPushModeCommand(arg) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.escapedName>"
LocalRef(a) ::= "_localctx.<a.escapedName>"
RetValRef(a) ::= "_localctx.<a.escapedName>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

```

```

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getText()! : \"\""
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getType() : 0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getLine() : 0)"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label>
!= nil ? <ctx(t)>.<t.label>!.getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getChannel() : 0)"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != nil ? Int(<ctx(t)>.<t.label>!.getText()!) : 0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.start?.description ?? \"\") : \"\""
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.stop?.description ?? \"\") : \"\""
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != nil ? try
_input.getText(<ctx(r)>.<r.label>!.start,<ctx(r)>.<r.label>!.stop) : \"\""
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "(try _input.getText(_localctx.start,
try _input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "(<s.ruleName;
format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.escapedName> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "<t.escapedName>: <SwiftTypeMap.(TokenLabelType)>!"
TokenTypeDecl(t) ::= "var <t.escapedName>: Int = 0"
TokenListDecl(t) ::= "<t.escapedName>: [Token] = [Token]()"
RuleContextDecl(r) ::= "<r.escapedName>: <r.ctxName>!"
RuleContextListDecl(rdecl) ::= "<rdecl.escapedName>: [<rdecl.ctxName>] = [<rdecl.ctxName>]()"

ContextTokenGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.escapedName>() -> TerminalNode? {
return getToken(<parser.name>.Tokens.<t.escapedName>.rawValue, 0)
}
>>

ContextTokenListGetterDecl(t)
::= <<
<accessLevelOpenOK(parser)>
func <t.escapedName>() -> [TerminalNode] {
return getTokens(<parser.name>.Tokens.<t.escapedName>.rawValue)

```



```

}
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
  <accessLevelOpenOK(parser)>
  func <t.escapedName>(_ i: Int) -> TerminalNode? {
    return getToken(<parser.name>.Tokens.<t.escapedName>.rawValue, i)
  }
>>

ContextRuleGetterDecl(r) ::= <<
  <accessLevelOpenOK(parser)>
  func <r.escapedName>() -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, 0)
  }
>>

ContextRuleListGetterDecl(r) ::= <<
  <accessLevelOpenOK(parser)>
  func <r.escapedName>() -> [<r.ctxName>] {
    return getRuleContexts(<r.ctxName>.self)
  }
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
  <accessLevelOpenOK(parser)>
  func <r.escapedName>(_ i: Int) -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, i)
  }
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName)
  ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = try _input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = try _input.LA(1)"

StructDecl(struct, ctorAttrs, attrs, getters, dispatchMethods, interfaces, extensionMembers, signatures,
  superClass={ParserRuleContext}) ::= <<

<accessLevelNotOpen(parser)> class <struct.escapedName>:
  <if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>

```

```

separator=", "><endif> {
  <attrs:{a | <accessLevelOpenOK(parser)> var <a>}; separator="\n">
  <getters:{g | <g>}; separator="\n">
  <! <if(ctorAttrs)> <accessLevelNotOpen(parser)> init(_ parent: ParserRuleContext, _ invokingState: Int) {
super.init(parent, invokingState) }<endif> !>
  <if(ctorAttrs)>
  <accessLevelNotOpen(parser)> convenience init(_ parent: ParserRuleContext?, _ invokingState:
Int<ctorAttrs:{a | , _ <a>}>) {
  self.init(parent, invokingState)
  <struct.ctorAttrs:{a | self.<a.escapedName> = <a.escapedName>;}; separator="\n">
  }
  <endif>

```

```

override <accessLevelOpenOK(parser)>
func getRuleIndex() -> Int {
  return <parser.name>.RULE_<struct.derivedFromName>
}
<if(struct.provideCopyFrom && struct.attrs)> <! don't need copy unless we have subclasses !>
<accessLevelOpenOK(parser)>
override func copyFrom(_ ctx_: ParserRuleContext) {
  super.copyFrom(ctx_)
  let ctx = ctx_ as! <struct.escapedName>
  <struct.attrs:{a | self.<a.escapedName> = ctx.<a.escapedName>;}; separator="\n">
  }
  <endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">
  }
  >>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
<accessLevelNotOpen(parser)> class <struct.escapedName>: <currentRule.name; format="cap">Context {
  <attrs:{a | <accessLevelNotOpen(parser)> var <a>}; separator="\n">
  <getters:{g | <g>}; separator="\n">

```

```

  <accessLevelNotOpen(parser)>
  init(_
  ctx: <currentRule.name; format="cap">Context) {
    super.init()
    copyFrom(ctx)
  }
  <dispatchMethods; separator="\n">
  }
  >>

```

```

ListenerDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func <if(method.isEnter)>enter<else>exit<endif>Rule(_ listener: ParseTreeListener) {

```

```

if let listener = listener as? <parser.grammarName>Listener {
    listener.<if(method.isEnter)>enter<else>exit<endif><<struct.derivedFromName; format="cap">(self)
}
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func accept<<T>>(_ visitor: ParseTreeVisitor<<T>>) -> T? {
    if let visitor = visitor as? <parser.grammarName>Visitor {
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    }
    else if let visitor = visitor as? <parser.grammarName>BaseVisitor {
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    }
    else {
        return visitor.visitChildren(self)
    }
}
>>

```

```

AttributeDecl(d) ::= "<d.escapedName>: <SwiftTypeMap.(d.type)><if(d.initValue)>
= <d.initValue><else>!=<endif>"

```

```

/** If we don't know location of label def x, use this template (_localctx as! <x.ctx.name> */
labelref(x) ::= "<if(!x.isLocal)>_localctx.castdown(<x.ctx.name>.self).<endif><x.escapedName>"

```

```

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "_localctx.castdown(<actionChunk.ctx.name>.self)"

```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "_ctx!.stop = try _input.LT(-1)"

```

```

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.append(_prevctx)
<else>
_localctx.<label> = _prevctx
<endif>
<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

```

```

recRuleLabeledAltStartAction(ruleName, currentAltLabel,

```

```

label, isListLabel) ::= <<
_localctx = <currentAltLabel; format="cap">Context( <ruleName; format="cap">Context(_parentctx,
_parentState))
<if(label)>
<if(isListLabel)>
(_localctx as! <currentAltLabel; format="cap">Context).<label>.append(_prevctx)
<else>
(_localctx as! <currentAltLabel; format="cap">Context).<label> = _prevctx
<endif>
<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
_localctx = <ctxName>Context(_localctx)
_ctx = _localctx
_prevctx = _localctx
>>

```

```

recRuleSetPrevCtx() ::= <<
if _parseListeners != nil {
  try triggerExitRuleEvent()
}
_prevctx = _localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
<!package <lexerFile.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

```

```

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<accessLevelOpenOK(lexer)> class <lexer.name>:
<superClass; null="Lexer"> {

```

```

  internal static var _decisionToDFA: [DFA] = {
    var decisionToDFA = [DFA]()
    let length = <lexer.name>._ATN.getNumberOfDecisions()
    for i in 0..

```

```

        return decisionToDFA
    }()

internal static let _sharedContextCache = PredictionContextCache()

<accessLevelNotOpen(lexer)>
<if(lexer.tokens)>
static let <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>
<endif>

<if(lexer.escapedChannels)>
<accessLevelNotOpen(lexer)>
static let <lexer.escapedChannels:{k | <k>=<lexer.escapedChannels.(k)>}; separator=", ", wrap, anchor>
<endif>
<if(rest(lexer.escapedModeNames))>
<accessLevelNotOpen(lexer)>
static let <rest(lexer.escapedModeNames):{m | <m>=<i>}; separator=", ", wrap, anchor>
<endif>
<accessLevelNotOpen(lexer)>
static
let channelNames: [String] = [
    "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>, <lexer.channelNames:{c| "<c>">};
separator=", ", wrap, anchor><endif>
]

<accessLevelNotOpen(lexer)>
static let modeNames: [String] = [
    <lexer.modes:{m| "<m>">}; separator=", ", wrap, anchor>
]

<accessLevelNotOpen(lexer)>
static let ruleNames: [String] = [
    <lexer.ruleNames:{r | "<r>">}; separator=", ", wrap, anchor>
]

<vocabulary(lexer.literalNames, lexer.symbolicNames,
    accessLevelNotOpen(lexer))>

<namedActions.members>

override <accessLevelOpenOK(lexer)>
func getVocabulary() -> Vocabulary {
    return <lexer.name>.VOCABULARY
}

<accessLevelNotOpen(lexer)>
required init(_ input: CharStream) {
    RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION)
}

```

```

super.init(input)
_interp = LexerATNSimulator(self, <lexer.name>._ATN, <lexer.name>._decisionToDFA,
<lexer.name>._sharedContextCache)
}

override <accessLevelOpenOK(lexer)>
func
getGrammarFileName() -> String { return "<lexer.grammarFileName>" }

override <accessLevelOpenOK(lexer)>
func getRuleNames() -> [String] { return <lexer.name>.ruleNames }

override <accessLevelOpenOK(lexer)>
func getSerializedATN() -> [Int] { return <lexer.name>._serializedATN }

override <accessLevelOpenOK(lexer)>
func getChannelNames() -> [String] { return <lexer.name>.channelNames }

override <accessLevelOpenOK(lexer)>
func getModeNames() -> [String] { return <lexer.name>.modeNames }

override <accessLevelOpenOK(lexer)>
func getATN() -> ATN { return <lexer.name>._ATN }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>

<accessLevelNotOpen(lexer)>
static let _ATN: ATN = try! ATNDeserializer().deserialize(_serializedATN)
}
>>

SerializedATN(model) ::= <<
static let _serializedATN:[Int] = [
<model.serialized: {s | <s>}; separator=",", wrap>
]
>>

/** Using a type to init value map, try to init a type; if not in table
* must be an object,
default value is "null".
*/
initValue(typeName) ::= <<
<SwiftTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".swift"

```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg

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Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/TypeScript/TypeScript.stg

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*/

lexer grammar ActionSplitter;

options { filter=true; }

@header {

package org.antlr.v4.parse;

```

import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}

@members {
ActionSplitterListener delegate;

public ActionSplitter(CharStream input, ActionSplitterListener delegate) {
    this(input, new RecognizerSharedState());
    this.delegate = delegate;
}

/** force filtering
    (and return tokens). triggers all above actions. */
public List<Token> getActionTokens() {
    List<Token> chunks = new ArrayList<Token>();
    Token t = nextToken();
    while ( t.getType()!=Token.EOF ) {
        chunks.add(t);
        t = nextToken();
    }
    return chunks;
}

private boolean isIDStartChar(int c) {
    return c == '_' || Character.isLetter(c);
}
}

// ignore comments right away

COMMENT
: '/'* ( options {greedy=false;} : . )* '/'* {delegate.text($text);}
;

LINE_COMMENT
: '/' ~('\n'|\r')* '\r'? '\n' {delegate.text($text);}
;

SET_NONLOCAL_ATTR
: '$' x=ID '::' y=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
    delegate.setNonLocalAttr($text, $x, $y, $expr);
}
;

NONLOCAL_ATTR
: '$' x=ID '::' y=ID {delegate.nonLocalAttr($text, $x, $y);}

```



```

;

QUALIFIED_ATTR
: '$' x=ID '.' y=ID {input.LA(1)!='('}? {delegate.qualifiedAttr($text, $x, $y);}
;

SET_ATTR
: '$' x=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
    delegate.setAttr($text, $x, $expr);
}
;

ATTR
: '$'
x=ID {delegate.attr($text, $x);}
;

// Anything else is just random text
TEXT
@init {StringBuilder buf = new StringBuilder();}
@after {delegate.text(buf.toString());}
: ( c=~('\\"' '$') {buf.append((char)$c);}
| '\\"' {buf.append('$');}
| '\\"' c=~('$') {buf.append('\\"').append((char)$c);}
| {!isIDStartChar(input.LA(2))}? => '$' {buf.append('$');}
)+
;

fragment
ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'_')*
;

/** Don't allow an = as first char to prevent $x == 3; kind of stuff. */
fragment
ATTR_VALUE_EXPR
: ~'=' (~';')*
;

fragment
WS : ('\\t'|'\\n'|'\\r')+
;

Found in path(s):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ActionSplitter.g
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/*

```

```

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*/

```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using System.Diagnostics;
using System.Collections.Generic;
using
    Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;

```

```
using DFA = Antlr4.Runtime.Dfa.DFA;
```

```
<parser>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using IParseTreeListener = Antlr4.Runtime.Tree.IParseTreeListener;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete listener for a parse tree produced by
/// \<see cref="<file.parserName>"/>.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Listener : IParseTreeListener {
    <file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in
    \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
    <else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
    <endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
    void Enter<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context context);
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
    <else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
    <endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
    void Exit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context context);};
    separator="\n">
```

```

}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace
<file.genPackage> {
<endif>
<header>

using Antlr4.Runtime.Misc;
using IErrorNode = Antlr4.Runtime.Tree.IErrorNode;
using ITerminalNode = Antlr4.Runtime.Tree.ITerminalNode;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Listener"/>,
/// which can be extended to create a listener which only needs to handle a subset
/// of the available methods.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
    <file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>/>.
<else>
///
    Enter a parse tree produced by \<see cref="<file.parserName>.<lname>/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Enter<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context
context) { \}
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>/>.
<else>

```

```

/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context
context) { \} }; separator="\n">

/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public
virtual void EnterEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitTerminal([NotNull] ITerminalNode node) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitErrorNode([NotNull] IErrorNode node) { }
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete generic visitor for a parse tree produced
/// by \<see cref="<file.parserName>"/>.
///
\</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Visitor\<Result> : IParseTreeVisitor\<Result> {
<file.visitorNames:{lname |
/// \<summary>

```

```

<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>">/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>">/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
Result Visit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context context));
separator="\n"
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Visitor{Result}">/>,
/// which can be extended to create a visitor which only needs to handle a subset
/// of the available methods.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor<Result> : AbstractParseTreeVisitor<Result>,
I<file.grammarName>Visitor<Result> {
<file.visitorNames:{lname |
/// \<summary>
<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the \<c><lname>\</c>
///
labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>">/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>">/>.

```

```

<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result\}.VisitChildren(IRuleNode)"/>
/// on \<paramref name="context"/>.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context
context) { return VisitChildren(context); \}}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
//-----
// \<auto-generated>
//   This code was generated by a tool.
//   ANTLR Version: <ANTLRVersion>
//
//   Changes to this file may
//   cause incorrect behavior and will be lost if
//   the code is regenerated.
// \</auto-generated>
//-----

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419

>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]

```

```

[System.CLSCompliant(false)]
public partial class <parser.name> : <superClass; null="Parser"> {
    protected static DFA[] decisionToDFA;
    protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
    <if(parser.tokens)>
    public
    const int
        <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(parser.rules)>
    public const int
        <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
    <endif>
    public static readonly string[] ruleNames = {
        <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
    };

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    public override string GrammarFileName { get { return "<parser.grammarFileName>"; } }

    public override string[] RuleNames { get { return ruleNames; } }

    public override int[] SerializedAtn { get { return _serializedATN; } }

    static <parser.name>() {
        decisionToDFA = new DFA[_ATN.NumberOfDecisions];
        for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
            decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
        }
    }

    <namedActions.members>
    <parser:(ctor)()>
    <funcs; separator="\n">

    <if(sempredFuncs)>
    public override bool Sempred(RuleContext
        _localctx, int ruleIndex, int predIndex) {
        switch (ruleIndex) {
            <parser.sempredFuncs.values:{f|
case <f.ruleIndex>: return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
            }
            return true;
        }
        <sempredFuncs.values; separator="\n">
    <endif>

```



```

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static readonly string[] _LiteralNames = {
    <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
private static readonly string[] _SymbolicNames = {
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
public static readonly IVocabulary DefaultVocabulary = new Vocabulary(_LiteralNames, _SymbolicNames);

[NotNull]
public override IVocabulary Vocabulary
{
    get
    {
        return DefaultVocabulary;
    }
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
public override void Action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
case
        <f.ruleIndex> : <f.name>_action(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, actionIndex); break;};
separator="\n">
        }
    }
    <actionFuncs.values; separator="\n">
    <endif>
    <if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f|
case <f.ruleIndex> : return <f.name>_sempred(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, predIndex);};
separator="\n">
        }
    return true;
    }
    <sempredFuncs.values; separator="\n">
    <endif>
}
>>

```

```

parser_ctor(parser) ::= <<
public <parser.name>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

public <parser.name>(ITokenStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
Interpreter = new ParserATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r,
actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
switch (actionIndex) {
<actions:{index|
case <index>: <actions.(index)> break;}; separator="\n">
}
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private bool <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
switch (predIndex) {
<actions:{index|
case <index>: return <actions.(index)>;}; separator="\n">
}
return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<if(ruleCtx)>
<ruleCtx>
<endif>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=", ">) {
<currentRule.ctxType>

```

```

_localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | , <a.escapedName>}>);
EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
    int _alt;
<endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
}
<if(exceptions)>
    <exceptions; separator="\n">
<else>
catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
}
<endif>
finally {
    <finallyAction>
    ExitRule();
}
return _localctx;
}
>>

```

```

LeftFactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=", ">) {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<a.escapedName>}>});
    EnterLeftFactoredRule(_localctx,
    <currentRule.startState>, RULE_<currentRule.variantOf>);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    }
}

```

```

catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
}
finally {
    <finallyAction>
    ExitRule();
}
return _localctx;
}
>>

// This behaves similar to RuleFunction (enterRule is called, and no adjustments
// are made to the parse tree), but since it's still a variant no context class
// needs to be generated.
LeftUnfactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=", ">) {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context,
    State<currentRule.args:{a | , <a.escapedName>}>);
    EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch (RecognitionException re) {
        _localctx.exception = re;
        ErrorHandler.ReportError(this, re);
        ErrorHandler.Recover(this, re);
    }
    finally {
        <finallyAction>
        ExitRule();
    }
    return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,

```

```

namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=", ">) {
  return <currentRule.escapedName>(0<currentRule.args:{a | , <a.escapedName>}>);
}

private <currentRule.ctxType>
  <currentRule.escapedName>(int _p<args:{a | , <a>}>) {
    ParserRuleContext _parentctx = Context;
    int _parentState = State;
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
    <a.escapedName>}>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    EnterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
      int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch (RecognitionException re) {
      _localctx.exception = re;
      ErrorHandler.ReportError(this, re);
      ErrorHandler.Recover(this, re);
    }
    finally {
      <finallyAction>
      UnrollRecursionContexts(_parentctx);
    }
    return _localctx;
  }
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new
  <currentOuterMostAltCodeBlock.altLabel; format="cap">Context(_localctx);<endif>
EnterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);

```

```

<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>

LL1OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(tokens=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>

LL1OptionalBlockSingleAlt(choice, expr, alts,
preamble, error, followExpr) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
  <alts; separator="\n">
  State = <choice.loopBackStateNumber>;
  ErrorHandler.Sync(this);
  <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  State = <choice.stateNumber>;<! loopback/exit decision !>
  ErrorHandler.Sync(this);
  <iteration>
} while ( <loopExpr> );
>>

```

// LL(*) stuff

```

AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble;
separator="\n">
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
  <alts:{alt |
case <i>:
  <alt>
  break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
  <alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
}
>>

```

```
}
```

```
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
```

```
State = <choice.stateNumber>;
```

```
ErrorHandler.Sync(this);
```

```
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
```

```
while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER ) {
```

```
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
```

```
    <iteration>
```

```
    <alts> <! should only be one !>
```

```
}
```

```
State = <choice.loopBackStateNumber>;
```

```
ErrorHandler.Sync(this);
```

```
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
```

```
}
```

```
>>
```

```
PlusBlock(choice,
```

```
alts, error) ::= <<
```

```
State = <choice.blockStartStateNumber>;<! alt block decision !>
```

```
ErrorHandler.Sync(this);
```

```
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
```

```
do {
```

```
    switch ( _alt ) {
```

```
        <alts:{alt|
```

```
case <i><if(!choice.ast.greedy)>+1<endif>:
```

```
    <alt>
```

```
break;}; separator="\n">
```

```
default:
```

```
    <error>
```

```
}
```

```
State = <choice.loopBackStateNumber>;<! loopback/exit decision !>
```

```
ErrorHandler.Sync(this);
```

```
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
```

```
} while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER );
```

```
>>
```

```
Sync(s) ::= "Sync(<s.expecting.name>);"
```

```
ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"
```

```
TestSetInline(s) ::= <<
```

```
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator=" || ">
```

```
>>
```

```
// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
```



```

testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) &
~0x3f) == 0
>>

// produces smaller bytecode only when bits.tokens contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
<bits.calculated>L) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>==<tokenType.(t.name)>}; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case <tokenType.(t.name)>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprs
Chunks>);
>>

MatchToken(m) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

MatchSet(m,
expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>TokenStream.LT(1);<endif>

```

```

<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
  ErrorHandler.ReportMatch(this);
  Consume();
}
>>

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>)
{
  <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "Skip();"
LexerMoreCommand() ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

LexerTypeCommand(arg, grammar) ::= "_type = <tokenType.(arg)>);"
LexerChannelCommand(arg, grammar) ::= "_channel = <channelName.(arg)>);"
LexerModeCommand(arg, grammar) ::= "_mode = <modeName.(arg)>);"
LexerPushModeCommand(arg, grammar) ::= "PushMode(<modeName.(arg)>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.escapedName>"

```

```

LocalRef(a) ::= "_localctx.<a.escapedName>"
RetValRef(a) ::= "_localctx.<a.escapedName>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<tokenType.(t.escapedName)>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <rhsChunks>;"

TokenLabelType()
::= "<file.TokenLabelType; null={IToken}>"
InputSymbolType() ::= "<file.InputSymbolType; null={IToken}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Text:null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Type:0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Line:0)"
TokenPropertyRef_pos(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.CharPositionInLine:0)"
TokenPropertyRef_channel(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Channel:0)"
TokenPropertyRef_index(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.TokenIndex:0)"
TokenPropertyRef_int(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?int.Parse(<ctx(t)>.<tokenType.(t.label)>.Text):0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Start):null)"
RulePropertyRef_stop(r)
::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_text(r) ::=
"<ctx(r)>.<r.label>!=null?TokenStream.GetText(<ctx(r)>.<r.label>.Start,<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.Start"
ThisRulePropertyRef_stop(r) ::= "_localctx.Stop"
ThisRulePropertyRef_text(r) ::= "TokenStream.GetText(_localctx.Start, TokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= <%((<s.ruleName;
format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<s.escapedName>%>
SetNonLocalAttr(s, rhsChunks) ::=
<%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<s.escapedName> =
<rhsChunks>%>

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.Add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <tokenType.(t.escapedName)>"

```

```

TokenTypeDecl(t)
::= "int <tokenType.(t.escapedName)>";"
TokenListDecl(t) ::= "IList\<IToken> <tokenType.(t.escapedName)> = new List\<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.escapedName>"
RuleContextListDecl(rdecl) ::= "IList\<<rdecl.ctxName>> <rdecl.escapedName> = new List\<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>

ContextTokenGetterDecl(t) ::=
    "[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <tokenType.(t.name)>() { return
GetToken(<parser.name>.<tokenType.(t.name)>, 0); }"
ContextTokenListGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection("ITerminalNode")>
<tokenType.(t.name)>() { return GetTokens(<parser.name>.<tokenType.(t.name)>); }
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <tokenType.(t.name)>(int i) {
return GetToken(<parser.name>.<tokenType.(t.name)>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public <r.ctxName> <r.escapedName>() {
return GetRuleContext\<<r.ctxName>\>(0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection({<r.ctxName>})>
<r.escapedName>() {
return GetRuleContexts\<<r.ctxName>\>(0);
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <r.escapedName>(int i) {
return GetRuleContext\<<r.ctxName>\>(i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
* r becomes rContext.
*/
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenType.(tokenName)>"

```

```

ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "_<label>"

CaptureNextToken(d) ::= "<d.varName> = TokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = TokenStream.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,signatures,
    superClass={ParserRuleContext}) ::= <<
public partial class <struct.escapedName> :
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces;
separator=", "><endif> {
    <attrs:{a | public <a>;}; separator="\n">
    <getters:{g | <g>;}; separator="\n">
    <if(ctorAttrs)>public <struct.escapedName>(ParserRuleContext parent, int invokingState) : base(parent,
invokingState) { }<endif>
    public <struct.escapedName>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>>>)
    : base(parent, invokingState)
    {
        <struct.ctorAttrs:{a | this.<a.escapedName> = <a.escapedName>;}; separator="\n">
    }
    public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
    <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
    public <struct.escapedName>() { }
    public virtual void CopyFrom(<struct.escapedName> context) {
        base.CopyFrom(context);
        <struct.attrs:{a
| this.<a.escapedName> = context.<a.escapedName>;}; separator="\n">
    }
    <endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">
}
>>

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
public partial class <struct.escapedName> : <currentRule.name; format="cap">Context {
    <attrs:{a | public <a>;}; separator="\n">
    <getters:{g | <g>;}; separator="\n">
    public <struct.escapedName>(<currentRule.name; format="cap">Context context) { CopyFrom(context); }
    <dispatchMethods; separator="\n">
}
>>

ListenerDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override void <if(method.isEnter)>Enter<else>Exit<endif>Rule(IParseTreeListener listener) {
    I<parser.grammarName>Listener typedListener = listener as I<parser.grammarName>Listener;

```

```

    if (typedListener != null) typedListener.<if(method.isEnter)>Enter<else>Exit<endif><struct.derivedFromName;
format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public
override TResult Accept<\TResult>(IParseTreeVisitor<\TResult> visitor) {
    I<parser.grammarName>Visitor<\TResult> typedVisitor = visitor as I<parser.grammarName>Visitor<\TResult>;
    if (typedVisitor != null) return typedVisitor.Visit<struct.derivedFromName; format="cap">(this);
    else return visitor.VisitChildren(this);
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <d.escapedName><if(d.initValue)> = <d.initValue><endif>"

```

```

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)><typedContext(x.ctx)>.<endif><x.escapedName>"

```

```

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "<typedContext(actionChunk.ctx)>"

```

```

// only casts _localctx to the type when the cast isn't redundant (i.e. to a sub-context for a labeled alt)
typedContext(ctx) ::= "<if(ctx.provideCopyFrom)>((<ctx.name>)_localctx)<else>_localctx<endif>"

```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)
    ::= "Precpred(Context, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken()          ::= "Context.Stop = TokenStream.LT(-1);"

```

```

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
    _localctx = new <ctxName>Context(_parentctx, _parentState);
    <if(label)>
    <if(isListLabel)>
        _localctx.<label>.Add(_prevctx);
    <else>
        _localctx.<label> = _prevctx;
    <endif>
    <endif>
    PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```

```

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
    _localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
    _parentState));
    <if(label)>

```

```

<if(isListLabel)>
(((<currentAltLabel; format="cap">Context)_localctx).<label>.Add(_prevctx);
<else>
(((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
<endif>
<endif>
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```

```

recRuleReplaceContext(ctxName)
::= <<
_localctx = new <ctxName>Context(_localctx);
Context = _localctx;
_prevctx = _localctx;
>>

```

```

recRuleSetPrevCtx() ::= <<
if ( ParseListeners!=null )
    TriggerExitRuleEvent();
_prevctx = _localctx;
>>

```

```

LexerFile(file, lexer, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using DFA = Antlr4.Runtime.Dfa.DFA;

<lexer>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <lexer.name> : <superClass; null="Lexer"> {
    protected static DFA[] decisionToDFA;

```

```

protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
<if(lexer.tokens)>
public
const int
<lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(lexer.escapedChannels)>
public const int
<lexer.escapedChannels:{k | <k>=<lexer.escapedChannels.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.escapedModeNames))>
public const int
<rest(lexer.escapedModeNames){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static string[] channelNames = {
  "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>, <lexer.channelNames:{c| "<c>">;
separator=", ", wrap, anchor><endif>
};

public static string[] modeNames = {
  <lexer.modes:{m| "<m>">; separator=", ", wrap, anchor>
};

public static readonly string[] ruleNames = {
  <lexer.ruleNames:{r| "<r>">; separator=", ", wrap, anchor>
};

<namedActions.members>

public <lexer.name>(ICharStream input)
: this(input, Console.Out, Console.Error) { }

public <lexer.name>(ICharStream input, TextWriter output, TextWriter errorOutput)
:
base(input, output, errorOutput)
{
  Interpreter = new LexerATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

public override string[] RuleNames { get { return ruleNames; } }

public override string[] ChannelNames { get { return channelNames; } }

public override string[] ModeNames { get { return modeNames; } }

```



```

public override int[] SerializedAtn { get { return _serializedATN; } }

static <lexer.name>() {
    decisionToDFA = new DFA[_ATN.NumberOfDecisions];
    for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
        decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
    }
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
private static int[] _serializedATN = {
    <model.serialized: {s | <s>}; separator=",", wrap>
};

public static readonly ATN _ATN =
    new ATNDeserializer().Deserialize(_serializedATN);

>>

initValue(typeName)
::= <<
default(<typeName>)
>>

codeFileExtension() ::= ".cs"

modeName ::= [
    "DEFAULT_MODE" : "DefaultMode",
    default : key
]

channelName ::= [
    "HIDDEN" : "Hidden",
    "DEFAULT_TOKEN_CHANNEL" : "DefaultTokenChannel",
    default : key
]

tokenType ::= [
    "EOF" : "Eof",
    default : key
]

```

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg

No license file was found, but licenses were detected in source scan.

/*

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*.stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

*/

location(file, line, column) ::= "<file>(<line>,<column>)"

message(id, text) ::= "error <id> : <text>"

report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg

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/*

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*/

Found in path(s):

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ANTLR Lexer.java

1.101 reactor-netty-http 1.2.3

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- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/LoadBalancerServiceInstanceCookieTransformer.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/HintBasedServiceInstanceListSupplier.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/blocking/XForwardedHeadersTransformer.java
- *
- /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/support/LoadBalancerEagerContextInitializer.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/RetryAwareServiceInstanceListSupplier.java

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- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/HealthCheckServiceInstanceListSupplier.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/ZonePreferenceServiceInstanceListSupplier.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/annotation/LoadBalancerClientConfiguration.java
- *
- /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/DelegatingServiceInstanceListSupplier.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/config/BlockingLoadBalancerClientAutoConfiguration.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/WeightedServiceInstanceListSupplier.java
- * /spring-cloud-loadbalancer-4-2-0-sources-1-

jar/org/springframework/cloud/loadbalancer/core/SubsetServiceInstanceListSupplier.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/SameInstancePreferenceServiceInstanceListSupplier.java
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jar/org/springframework/cloud/loadbalancer/core/WeightFunction.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/LazyWeightedServiceInstanceList.java
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jar/org/springframework/cloud/loadbalancer/config/LoadBalancerStatsAutoConfiguration.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-

jar/org/springframework/cloud/loadbalancer/stats/MicrometerStatsLoadBalancerLifecycle.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/RoundRobinLoadBalancer.java
*
/spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/RandomLoadBalancer.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/stats/LoadBalancerTags.java
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jar/org/springframework/cloud/loadbalancer/config/LoadBalancerCacheAutoConfiguration.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/SelectedInstanceCallback.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/ReactorLoadBalancer.java
*
/spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/blocking/retry/BlockingLoadBalancedRetryFactory.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-

```

jar/org/springframework/cloud/loadbalancer/annotation/LoadBalancerClientConfigurationRegistrar.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/CachingServiceInstanceListSupplier.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/DiscoveryClientServiceInstanceListSupplier.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/NoopServiceInstanceListSupplier.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/XForwardedHeadersTransformer.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/config/LoadBalancerZoneConfig.java
*
/spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/config/LoadBalancerAutoConfiguration.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/blocking/retry/BlockingLoadBalancedRetryPolicy.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/annotation/LoadBalancerClientSpecification.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/core/ReactorServiceInstanceLoadBalancer.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/support/LoadBalancerClientFactory.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/cache/DefaultLoadBalancerCacheManager.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/aot/LoadBalancerChildContextInitializer.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/support/SimpleObjectProvider.java
*
/spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/annotation/LoadBalancerClients.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/cache/DefaultLoadBalancerCache.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/cache/LoadBalancerCacheProperties.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/cache/LoadBalancerCacheManager.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/blocking/client/BlockingLoadBalancerClient.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/support/LoadBalancerEnvironmentPropertyUtils.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/support/ServiceInstanceListSuppliers.java
* /spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/annotation/LoadBalancerClient.java
*
/spring-cloud-loadbalancer-4-2-0-sources-1-
jar/org/springframework/cloud/loadbalancer/cache/CaffeineBasedLoadBalancerCacheManager.java

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* /spring-cloud-loadbalancer-4-2-0-sources-1-jar/org/springframework/cloud/loadbalancer/core/RequestBasedStickySessionServiceInstanceListSupplier.java
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1.106 jspecify 1.0.0

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Manifest-Version: 1.0
Bundle-Description: An artifact of well-specified annotations to power static analysis checks and JVM language interop.
Bundle-DocURL: <https://jspecify.dev/docs/start-here>
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>
Bundle-ManifestVersion: 2
Bundle-Name: JSpecify annotations
Bundle-SymbolicName: org.jspecify.jspecify
Bundle-Vendor: The JSpecify Authors
Bundle-Version: 1.0.0
Export-Package: org.jspecify.annotations;version="1.0.0"
Implementation-Version: 1.0.0
Import-Package: java.lang,java.lang.annotation
Multi-Release: true
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

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* /jspecify-1-0-0-jar/META-INF/MANIFEST.MF

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* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java

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/* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/BitapSearchProcessorFactory.java

* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/SearchProcessorFactory.java

* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/KmpSearchProcessorFactory.java

* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/search/MultiSearchProcessor.java

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* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolArenaMetric.java
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolChunkMetric.java
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PoolSubpageMetric.java
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 * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/IntPriorityQueue.java
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* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AbstractByteBufAllocator.java
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- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/EmptyByteBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/FixedCompositeByteBuf.java
- *

- /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AbstractDerivedByteBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ByteBufHolder.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/ByteBufProcessor.java
- * /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java

```
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/WrappedByteBuf.java
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/DefaultByteBufHolder.java
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnreleasableByteBuf.java
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Found in path(s):

```
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/PooledHeapByteBuf.java
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```

Found in path(s):

```
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
* /netty-buffer-4-1-118-final-sources-3-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
```

1.113 feign-hc5 13.5

1.113.1 Available under license :

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Found in path(s):

* /feign-hc5-13-5-1-jar/META-INF/maven/io.github.openfeign/feign-hc5/pom.xml

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9

Build-Jdk-Spec: 21

Build-Tool-Jdk-Spec: 21

Bnd-LastModified: 1728410425397

Bundle-Description: Feign Apache HttpComponents Client 5

Bundle-DocURL: <https://github.com/openfeign>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Feign Apache HttpComponents Client 5

Bundle-SymbolicName: io.github.openfeign.feign-hc5

Bundle-Vendor: OpenFeign

Bundle-Version: 13.5.0

Export-Package: feign.hc5;uses:="feign,org.apache.hc.client5.http.classic,org.apache.hc.client5.http.impl.async,org.apache.hc.client5.http.protocol";version="13.5.0"

Import-Package: feign;version="[13.5,14)",org.apache.hc.client5.http.async.methods,org.apache.hc.client5.http.classic,org.apache.hc.client5.http.config,org.apache.hc.client5.http.entity,org.apache.hc.client5.http.impl.async,org.apache.hc.client5.http.impl.classic,org.apache.hc.client5.http.protocol,org.apache.hc.core5.concurrent,org.apache.hc.core5.http,org.apache.hc.core5.http.io.entity,org.apache.hc.core5.http.io.support,org.apache.hc.core5.http.protocol,org.apache.hc.core5.io,org.apache.hc.

core5.net

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

* /feign-hc5-13-5-1-jar/META-INF/MANIFEST.MF

1.114 ca-certificates 20250911-r0

1.114.1 Available under license :

- * c_rehash.c - Create hash symlinks for certificates
- * C implementation based on the original Perl and shell versions

*

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1.116 resilience4j-framework-common 2.2.0

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```
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/bulkhead/configuration/CommonBulkheadConfigurationProperties.java
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```

* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/micrometer/monitoring/endpoint/package-info.java
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```

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jar/io/github/resilience4j/common/timelimiter/monitoring/endpoint/TimeLimiterEventsEndpointResponse.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/timelimiter/configuration/CommonTimeLimiterConfigurationProperties.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/timelimiter/configuration/TimeLimiterConfigCustomizer.java
*
/resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/timelimiter/monitoring/endpoint/TimeLimiterEventDTO.java

```

* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/timelimiter/monitoring/endpoint/TimeLimiterEndpointResponse.java
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jar/io/github/resilience4j/common/retry/monitoring/endpoint/RetryEventDTO.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/retry/monitoring/endpoint/RetryEventsEndpointResponse.java
* /resilience4j-framework-common-2-2-0-sources-jar/io/github/resilience4j/common/utlis/ConfigUtils.java
*
/resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/retry/monitoring/endpoint/RetryEventDTOBuilder.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/retry/monitoring/endpoint/RetryEventDTOFactory.java
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```
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/circuitbreaker/monitoring/endpoint/CircuitBreakerEventDTO.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/circuitbreaker/monitoring/endpoint/CircuitBreakerEventDTOBuilder.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/circuitbreaker/monitoring/endpoint/CircuitBreakerEventDTOFactory.java
*
/resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/bulkhead/monitoring/endpoint/BulkheadEventDTOFactory.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/bulkhead/monitoring/endpoint/BulkheadEventDTO.java
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jar/io/github/resilience4j/common/bulkhead/configuration/CommonThreadPoolBulkheadConfigurationProperties.java
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jar/io/github/resilience4j/common/ratelimiter/configuration/CommonRateLimiterConfigurationProperties.java
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/resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/retry/configuration/CommonRetryConfigurationProperties.java
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- jar/io/github/resilience4j/common/micrometer/configuration/TimerConfigCustomizer.java
- * /resilience4j-framework-common-2-2-0-sources-
- jar/io/github/resilience4j/common/micrometer/monitoring/endpoint/TimerEventDTO.java
- * /resilience4j-framework-common-2-2-0-sources-
- jar/io/github/resilience4j/common/micrometer/configuration/CommonTimerConfigurationProperties.java
- *
- /resilience4j-framework-common-2-2-0-sources-
- jar/io/github/resilience4j/common/micrometer/monitoring/endpoint/TimerEndpointResponse.java
- * /resilience4j-framework-common-2-2-0-sources-
- jar/io/github/resilience4j/common/micrometer/monitoring/endpoint/TimerEventsEndpointResponse.java
- * /resilience4j-framework-common-2-2-0-sources-
- jar/io/github/resilience4j/common/micrometer/monitoring/endpoint/TimerEventDTOFactory.java

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jar/io/github/resilience4j/common/circuitbreaker/monitoring/endpoint/UpdateState.java
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jar/io/github/resilience4j/common/circuitbreaker/monitoring/endpoint/CircuitBreakerUpdateStateResponse.java
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jar/io/github/resilience4j/common/ratelimiter/monitoring/endpoint/RateLimiterEventsEndpointResponse.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/ratelimiter/monitoring/endpoint/RateLimiterEndpointResponse.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/ratelimiter/monitoring/endpoint/RateLimiterEventDTO.java
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jar/io/github/resilience4j/common/retry/monitoring/endpoint/package-info.java
* /resilience4j-framework-common-2-2-0-sources-
jar/io/github/resilience4j/common/ratelimiter/monitoring/endpoint/package-info.java
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1.117 servlet-api 2.5

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- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpSession.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/FilterConfig.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletRequestEvent.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpSessionActivationListener.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpServletRequest.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletRequestAttributeListener.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletResponse.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletContextEvent.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpSessionBindingListener.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletRequestWrapper.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletConfig.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpServletRequestWrapper.java
- *
- /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpSessionBindingEvent.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletResponseWrapper.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletContextListener.java
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- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpServletResponseWrapper.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/RequestDispatcher.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletRequestListener.java
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- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpSessionListener.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletContextAttributeEvent.java
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- /servlet-api-2-5-sources-8-jar/javax/servlet/ServletException.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletRequestAttributeEvent.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpServletResponse.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/GenericServlet.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/SingleThreadModel.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/ServletInputStream.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpUtils.java
- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/HttpSessionEvent.java
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- * /servlet-api-2-5-sources-8-jar/javax/servlet/http/Cookie.java
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*
/springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/providers/ActuatorWebMvcProvider.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/api/MultipleOpenApiActuatorResource.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/fn/SpringdocRouteBuilder.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/providers/SpringWebMvcProvider.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/service/RequestService.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/providers/RouterFunctionWebMvcProvider.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/api/OpenApiActuatorResource.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/api/MultipleOpenApiResource.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/api/OpenApiWebMvcResource.java
*
/springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/configuration/SpringDocWebMvcConfiguration.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/api/MultipleOpenApiWebMvcResource.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-jar/org/springdoc/webmvc/api/OpenApiResource.java
* /springdoc-openapi-starter-webmvc-api-2-7-0-sources-1-
jar/org/springdoc/webmvc/core/configuration/MultipleOpenApiSupportConfiguration.java

1.119 jakarta-persistence-api 3.1.0

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```

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* Project home: <https://projects.eclipse.org/projects/ee4j.jpa>

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* <https://github.com/eclipse-ee4j/jpa-api>

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1.120 c-ares 1.34.5-r0

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1.121 bcprov-jdk18on 1.80

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```
/**
 * Poly1305 message authentication code, designed by D. J. Bernstein.
 * <p>
 * Poly1305 computes a 128-bit (16 bytes) authenticator, using a 128 bit nonce and a 256 bit key
 * consisting of a 128 bit key applied to an underlying cipher, and a 128 bit key (with 106
 * effective key bits) used in the authenticator.
 * <p>
 * The polynomial calculation in this implementation is adapted from the public domain <a
 * href="https://github.com/floodyberry/poly1305-donna">poly1305-donna-unrolled</a> C implementation
 * by Andrew M (@floodyberry).
 * @see Poly1305KeyGenerator
 */
```

Found in path(s):

`/bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/crypto/mac/Poly1305.java`

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```
/**
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 *
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 */

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* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/LICENSE.java

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public DomainParameters(BigInteger p, BigInteger g, BigInteger q, BigInteger j,

Found in path(s):

* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/asn1/x9/DomainParameters.java

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/**

* Contains the polynomial classes used in the NTRU round 3 algorithm.

*

* <p>

* This implementation is based on the C reference implementation submitted for the round 3 NIST PQC competition,

* released under CC0-1.0 license.

* </p>

*

* <p>NIST submission files</p>

* <p>License of reference implementation</p>

*/

Found in path(s):

* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/math/ntru/package-info.java

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// now keep space is free to use

Found in path(s):

* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/legacy/crypto/gmss/GMSSPrivateKeyParameters.java

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/**

* SPHINCS-256 signer.

* <p>

* This implementation is heavily based on the reference implementation in SUPERCOP, the main difference being the digests used

- * for message hashing and tree construction are now configurable (within limits...) and that the implementation produces
- * detached signatures.
- * </p>
- * <p>
- * The SPHINCS reference implementation is public domain, as per the statement in the second last paragraph of
- * section 1 in <https://eprint.iacr.org/2014/795.pdf>
- * </p>
- * /

Found in path(s):

- * /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/crypto/sphincs/SPHINCS256Signer.java

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```
/**
 * An implementation of <a href="https://tools.ietf.org/html/rfc7253">RFC 7253 on The OCB
 * Authenticated-Encryption Algorithm</a>. For those still concerned about the original patents
 * around this, please see:
 * <p>
 * https://mailarchive.ietf.org/arch/msg/cfrg/qLTveWOdTJcLn4HP3ev-vrj05Vg/
 * </p>
 * Text reproduced below.
 * <blockquote>
 * Phillip Rogaway &gt;rogaway@cs.ucdavis.edu&lt; Sat, 27 February 2021 02:46 UTCShow header
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 * While I have been telling people this for quite some time, I don't
 * think I ever made a proper announcement to the CFRG or on the
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 * </blockquote>
 */
```

Found in path(s):

- * /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/crypto/modes/OCBBlockCipher.java

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```
/**
 * The NTRU algorithm based on the round 3 submission of the NIST post-quantum cryptography. For the old
 * NTRU, see
 * {@link org.bouncycastle.pqc.legacy.crypto.ntru}.
 *
 * <p>
 * This implementation is based on the C reference implementation submitted for the round 3 NIST PQC
 * competition,
 * released under CC0-1.0 license.
 * </p>
 */
```

```

* <p><a href="https://csrc.nist.gov/CSRC/media/Projects/post-quantum-cryptography/documents/round-3/submissions/NTRU-Round3.zip">NIST submission files</a></p>
* <p><a href="https://github.com/jschanck/ntru/blob/master/LICENSE">License of reference implementation</a></p>
*
* @see <a href="https://csrc.nist.gov/Projects/post-quantum-cryptography/round-3-submissions">NIST round 3 PQC submissions page</a>
* @see <a href="https://ntru.org/">NTRU website</a>
* @see <a href="https://ntru.org/f/ntru-20190330.pdf">NTRU specification</a>
*/

```

Found in path(s):

```

* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/crypto/ntru/package-info.java
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```

```

/**
 * Magic value for proprietary OpenSSH private key.
 **/

```

Found in path(s):

```

* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/crypto/util/OpenSSHPrivateKeyUtil.java

```

1.122 reactor-netty 1.2.3

1.122.1 Available under license :

Apache-2.0

1.123 ca-certificates 20250911-r0

1.123.1 Available under license :

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```

/opt/cola/permits/2660733757_1759915527.765318/0/ca-certificates-20250911-r0-tar-gz/usr/share/ca-certificates/mozilla/HARICA_TLS_RSA_Root_CA_2021.crt-----BEGIN CERTIFICATE-----
/opt/cola/permits/2660733757_1759915527.765318/0/ca-certificates-20250911-r0-tar-gz/usr/share/ca-certificates/mozilla/QuoVadis_Root_CA_2.crt-----BEGIN CERTIFICATE-----
/opt/cola/permits/2660733757_1759915527.765318/0/ca-certificates-20250911-r0-tar-gz/usr/share/ca-certificates/mozilla/TWCA_Global_Root_CA.crt-----BEGIN CERTIFICATE-----
/opt/cola/permits/2660733757_1759915527.765318/0/ca-certificates-20250911-r0-tar-gz/usr/share/ca-certificates/mozilla/TrustAsia_TLS_RSA_Root_CA.crt-----BEGIN CERTIFICATE-----

```

Found in path(s):

```

*

```

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-----BEGIN CERTIFICATE-----

MIIFWjCCA0KGAwIBAgISEdK7udcjGJ5AXwqdLdDfJWfRMA0GCSqGSIb3DQEBAUA
MEYx CzAJBgNVBAYTAkFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52LXNhMRwwGgYD
VQQDExNHbG9iYWxTaWduIFJvb3QgUjQ2MB4XDTE5MDMyMDAwMDAwMFoXDTQ2MDMy
MDAwMDAwMFowRjELMAkGA1UEBhMCQkUxGTAXBgNVBAoTEEdsb2JhbFNpZ24gbnYt
c2ExHDAaBgNVBAMTE0dsb2JhbFNpZ24gUm9vdCBSNDYwggLiMA0GCSqGSIb3DQEB
AQUAA4ICDwAwggIKAoICAQCsrHQy6LNl5brtQyYdpokNRbopiLKkHWPd08EsCVeJ
OaFV6Wc0dwxu5FUdUiXSE2te4R2pt32JmL8Nnp8semNgQB+msLZ4j5lUlghYruQG
vGIFaha/r6gjA7aUD7xubMLL1aa7DOn2wQL7ld5m3RerdELv8HQvJfTqa1VbkNud
316HCkD7rRlr+/fKYIje2sGP1q7Vf9Q8g+7XFkyDRTNrJ9CG0Bwta/OrffGFqfUo
0q3v84RLHif8E6M6cqJaESvWJ3En7YEtbWaBkoe0G1h6zD8K+kZPTXhc+Ctl4wSE
y132tGqzZfxCnlEmIyDLPRT5ge1lFgBPGmSXZgjPjHvjK8Cd+RTyG/FWaha/LIWF
zXg4mutCagI0GIMXTpRW+LaCtfOW3T3zvn8gdz57GSNrLNRyc0NXfeD412IPFzYE
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4wIDAQABo0IwQDAOBgNVHQ8BAf8EBAMCAYYwDwYDVR0TAQH/BAUwAwEB/zAdBgNV
HQ4EFgQUA1yrc4GHqMywptWU4jaWSf8FmSwwDQYJKoZIhvcNAQEMBQADggIBAHx4
7PYCLltbfpIrXTncvtgdokIzTfnvpCo7RGkerNlFo048p9gkUbJUHJNOxO97k4Vg
JuoJSOD1u8fpaNK7ajFxzHmuEajwfmf3lH7wvqMxX63bElazHU1VNaL8FpO7XJqti
2kM3S+LGteWygxk6x9PbTZ4IevPuzz5i+6zoYMzRx6Fcg0XERczzF2sUyQQCPtlk
pnnpHs6i58FZFZ8d4kuaPp92CC1r2LpXFNqD6v6MVenQTqnMdzGxRBF6XLE+0xRF
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rWhV/pi60zTe9Mlhww6G9kuEYO4Ne7UyWHmRVSyBQ7N0H3qqJZ4d16GLuc1CLgSk
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u+YfjyW6hY0XHgL+XVAEV8/+LbzvXMAaq7afJMbfc2hIkCwU9D9SGuTSyxTDYWnP
4vkYxboznxSjBF25cfe1lNj2M8FawTSLfJvdkzrnE6JwYZ+v+jvYxXX4M2bUdGc6
N3ec592kd3ZDZopD8p/7DEJ4Y9HiD2971KE9dJeFt0g5QdYg/NA6s/rob8SKunE3
vouXsXgxT7PntgMTzlSdriVZzH81Xwj3QEUxeCp6

-----END

CERTIFICATE-----

Found in path(s):

*

/ca-certificates-20250911-r0-tar-gz/usr/share/ca-certificates/mozilla/GlobalSign_Root_R46.crt

1.124 apk-tools 2.14.6-r3

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```
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioChannelOption.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java
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Found in path(s):

```
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java
*
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java
```

```

* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/ChannelFactory.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelId.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultChannelId.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelMatcher.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelGroup.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
*
/netty-transport-4-1-118-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelGroupException.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelMatchers.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/AddressedEnvelope.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java
*
/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java
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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioDomainSocketUtil.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioDomainSocketChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioServerDomainSocketChannel.java
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* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/SelectStrategyFactory.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/BootstrapConfig.java
*
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/SelectStrategy.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/EventLoopTaskQueueFactory.java
 * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ExtendedClosedChannelException.java
 * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelHandlerMask.java
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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
*
/netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/package-info.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/ChannelPool.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java

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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/SelectorProviderUtil.java

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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/AbstractEventLoop.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelFactory.java
*
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/PendingWriteQueue.java
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* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/ChannelInitializerExtension.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/ChannelInitializerExtensions.java
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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/StacklessClosedChannelException.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DuplexChannelConfig.java

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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultChannelPromise.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/AbstractServerChannel.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/LocalChannelRegistry.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java

*

/netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/InternetProtocolFamily.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/NioEventLoopGroup.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultChannelConfig.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DatagramChannel.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/DefaultChannelGroupFuture.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/package-info.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/FileRegion.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultFileRegion.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelInitializer.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelPromiseAggregator.java

*

/netty-transport-4-1-118-final-sources-jar/io/netty/channel/FailedChannelFuture.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/CombinedIterator.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/Channel.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelFutureListener.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/NioTask.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/package-info.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/SingleThreadEventLoop.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java

- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultEventLoop.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
- *
- /netty-transport-4-1-118-final-sources-jar/io/netty/channel/EventLoop.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/AbstractOioByteChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelPipeline.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelException.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelConfig.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/ChannelGroupFuture.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/EventLoopGroup.java
- *
- /netty-transport-4-1-118-final-sources-jar/io/netty/channel/RecvByteBufAllocator.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelMetadata.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/group/package-info.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultChannelPipeline.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/AbstractChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelPromiseNotifier.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelHandlerContext.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelFlushPromiseNotifier.java
- *
- /netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/EmbeddedEventLoop.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/package-info.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/EmbeddedChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/Bootstrap.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelFuture.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/AbstractOioMessageChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
- *
- /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/SocketChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/package-info.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/package-info.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/package-info.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/EventLoopException.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/LocalServerChannel.java
- * /netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/LocalAddress.java


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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/FixedRecvByteBufAllocator.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
*
/netty-transport-4-1-118-final-sources-jar/io/netty/channel/ServerChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DatagramChannelConfig.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/DatagramPacket.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelInboundHandler.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelOutboundHandler.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelPipelineException.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelOption.java
*
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* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ThreadPerChannelEventLoop.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/AbstractNioByteChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/package-info.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/ServerSocketChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/DefaultEventLoopGroup.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/CompleteChannelFuture.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/nio/AbstractNioChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/package-info.java
*
/netty-transport-4-1-118-final-sources-jar/io/netty/channel/local/LocalChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/socket/package-info.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/oio/AbstractOioChannel.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/bootstrap/AbstractBootstrap.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelDuplexHandler.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/VoidChannelPromise.java

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```

* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically,
* or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
* }

```

```

*
* }
* }
* ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where an unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {

```

```
*      fail();
*    }
*  }
* }
* ...
* }
```

```
* </pre>
```

* Now that the

state of the handler is attached to the {@link ChannelHandlerContext}, you can add the

* same handler instance to different pipelines:

```
* <pre>
```

```
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}> {
```

```
* 
```

```
*   private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
```

```
* 
```

```
*   {@code @Override}
```

```
*   public void initChannel({@link Channel} channel) {
```

```
*       channel.pipeline().addLast("handler", <b>SHARED</b>);
```

```
*   }
```

```
* }
```

```
* </pre>
```

```
* 
```

```
* 
```

* <h4>The {@code @Sharable} annotation</h4>

```
* <p>
```

* In the example above which used an {@link AttributeKey},

* you might have noticed the {@code @Sharable} annotation.

```
* <p>
```

* If a {@link ChannelHandler} is annotated with the {@code @Sharable}

* annotation, it means you can create an instance of the handler just once and

* add it to one or more {@link ChannelPipeline}s multiple times without

* a race condition.

```
* <p>
```

* If this annotation is not specified, you have to create

a new handler

* instance every time you add it to a pipeline because it has unshared state

* such as member variables.

```
* <p>
```

* This annotation is provided for documentation purpose, just like

* the JCIP annotations.

```
* 
```

* <h3>Additional resources worth reading</h3>

```
* <p>
```

* Please refer to the {@link ChannelHandler}, and

* {@link ChannelPipeline} to find out more about inbound and outbound operations,

* what fundamental differences they have, how they flow in a pipeline, and how to handle

* the operation in your application.

```
* /
```

Found in path(s):

* /netty-transport-4-1-118-final-sources-jar/io/netty/channel/ChannelHandler.java

1.126 spring-data-jpa 3.4.3

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Spring Data Envers 2.6 M3 (2021.1.0)

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1.129 isorelax 20090621

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```
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 * @(#) \$Id: IslandVerifier.java,v 1.6 2003/05/30 23:46:32 kkawa Exp \$
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1.133 cglib 3.3

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The initial code for shuffling an array (originally in class
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The textbook (containing a proof that the shuffle is uniformly random) is
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1.138 tomcat-embed-el 10.1.36

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- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/AbstractAclVoter.java
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- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/DisabledException.java
- *
- /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/SecurityMetadataSource.java
- * /spring-security-core-6-4-3-sources-

jar/org/springframework/security/authentication/jaas/SecurityContextLoginModule.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/RememberMeAuthenticationProvider.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/TestingAuthenticationToken.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/SecurityContextImpl.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/intercept/aspectj/AspectJCallback.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/util/InMemoryResource.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/annotation/Js250MethodSecurityMetadataSource.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/util/SimpleMethodInvocation.java
 *
 /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/BadCredentialsException.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/event/LoggerListener.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/event/AuthenticationSuccessEvent.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/SessionRegistry.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/event/AuthenticationFailureLockedEvent.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/SessionInformation.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/UserDetailsService.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/NullRunAsManager.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/jaas/AuthorityGranter.java
 *
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 jar/org/springframework/security/access/method/MethodSecurityMetadataSource.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/intercept/AbstractSecurityInterceptor.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/jaas/JaasGrantedAuthority.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/UnanimousBased.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/jaas/JaasAuthenticationCallbackHandler.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/intercept/aopalliance/MethodSecurityMetadataSourceAdvisor.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/AffirmativeBased.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/core/context/SecurityContextHolderStrategy.java
 *
 /spring-security-core-6-4-3-sources-jar/org/springframework/security/util/FieldUtils.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/event/AuthorizationFailureEvent.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/annotation/SecuredAnnotationSecurityMetadataSource.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/RunAsManagerImpl.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/core/userdetails/memory/UserAttributeEditor.java
 * /spring-security-core-6-4-3-sources-

jar/org/springframework/security/authentication/jaas/JaasAuthenticationProvider.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/InterceptorStatusToken.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/UsernamePasswordAuthenticationToken.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/AuthenticationDetailsSource.java
 *
 /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/event/AuthenticationFailureCredentialsExpiredEvent.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/method/AbstractMethodSecurityMetadataSource.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/util/MethodInvocationUtils.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/vote/AbstractAccessDecisionManager.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/core/userdetails/UsernameNotFoundException.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/jaas/event/JaasAuthenticationEvent.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/LockedException.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/event/AuthenticationFailureProviderNotFoundEvent.java
 *
 /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/ConsensusBased.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/AccessDeniedException.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/jaas/JaasNameCallbackHandler.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/intercept/aopalliance/MethodSecurityInterceptor.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/SecurityContext.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/dao/DaoAuthenticationProvider.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/SpringSecurityMessageSource.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/TestingAuthenticationProvider.java
 *
 /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/AbstractAuthenticationToken.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/core/context/GlobalSecurityContextHolderStrategy.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/RunAsManager.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/event/PublicInvocationEvent.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/access/intercept/AfterInvocationProviderManager.java
 * /spring-security-core-6-4-3-sources-
 jar/org/springframework/security/authentication/event/AbstractAuthenticationFailureEvent.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/memory/UserAttribute.java
 * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/RunAsUserToken.java
 * /spring-security-core-6-4-3-sources-

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jar/org/springframework/security/authentication/AuthenticationCredentialsNotFoundException.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/AuthenticationProvider.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/DefaultLoginExceptionResolver.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/SecurityConfig.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AuthenticationServiceException.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/cache/NullUserCache.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/event/JaasAuthenticationSuccessEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/AfterInvocationProvider.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/event/AbstractAuthorizationEvent.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/LoginExceptionResolver.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/AccessDecisionManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ProviderNotFoundException.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/dao/AbstractUserDetailsAuthenticationProvider.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/CredentialsExpiredException.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/GrantedAuthority.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/jdbc/JdbcDaoImpl.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/AuthenticationException.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/event/InteractiveAuthenticationSuccessEvent.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AnonymousAuthenticationToken.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/UserCache.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/InsufficientAuthenticationException.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AuthenticationTrustResolverImpl.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/event/JaasAuthenticationFailedEvent.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureProxyUntrustedEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/AccessDecisionVoter.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/event/AbstractAuthenticationEvent.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/AuthenticatedVoter.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/ConfigAttribute.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/Authentication.java

```



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* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AnonymousAuthenticationProvider.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureServiceExceptionEvent.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureExpiredEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/annotation/Secured.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/context/InheritableThreadLocalSecurityContextHolderStrategy.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/JaasAuthenticationToken.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/access/event/LoggerListener.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/context/ThreadLocalSecurityContextHolderStrategy.java
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```

* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/MethodExpressionAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/ReactiveAuthenticationUtils.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/aot/hint/CoreSecurityRuntimeHints.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/TransientSecurityContext.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/annotation/PreInvocationExpressionAttribute.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PrePostAnnotationSecurityMetadataSource.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AuthenticationObservationContext.java
* /spring-security-core-6-4-3-sources-

```

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jar/org/springframework/security/authorization/method/PostFilterAuthorizationReactiveMethodInterceptor.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/authority/AuthorityUtils.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UnmodifiableMapDeserializer.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/PreInvocationAttribute.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/AbstractSecurityExpressionHandler.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PostInvocationAuthorizationAdvice.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/ExpressionBasedPreInvocationAdvice.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/annotation/AnnotationMetadataExtractor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/method/DelegatingMethodSecurityMetadataSource.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/annotation/Jsr250Voter.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/ExpressionBasedAnnotationAttributeFactory.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/RoleHierarchyVoter.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthenticatedAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/SecurityExpressionHandler.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PreInvocationAuthorizationAdviceVoter.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/AbstractExpressionBasedMethodConfigAttribute.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/PostInvocationExpressionAttribute.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UnmodifiableMapMixin.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/ReactiveExpressionUtils.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthoritiesAuthorizationManager.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/MethodSecurityEvaluationContext.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PostInvocationAdviceProvider.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PreInvocationAuthorizationAdvice.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/annotation/Jsr250SecurityConfig.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/concurrent/AbstractDelegatingSecurityContextSupport.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/concurrent/DelegatingSecurityContextRunnable.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/provisioning/JdbcUserDetailsManager.java

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* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/MethodSecurityExpressionRoot.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/ReactiveMethodInvocationUtils.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/SpringAuthorizationEventPublisher.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/PostInvocationAttribute.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/DeferredSecurityContext.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/concurrent/DelegatingSecurityContextCallable.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/context/ObservationSecurityContextChangedListener.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationMethodPointcuts.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PrePostInvocationAttributeFactory.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/ExpressionBasedPostInvocationAdvice.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/context/ListeningSecurityContextHolderStrategy.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AbstractUserDetailsReactiveAuthenticationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PreFilterAuthorizationReactiveMethodInterceptor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/method/AbstractFallbackMethodSecurityMetadataSource.java
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* /spring-security-core-6-4-3-sources-

```

jar/org/springframework/security/authentication/jaas/memory/InMemoryConfiguration.java

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```
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/CachingUserDetailsService.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/authority/SimpleGrantedAuthority.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/SecurityExpressionRoot.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthorityAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ObservationReactiveAuthenticationManager.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/AuthorizationManagers.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/session/ReactiveSessionInformation.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ObservationAuthenticationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/prepost/PrePostAdviceReactiveMethodInterceptor.java
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* /spring-security-core-6-4-3-sources-jar/org/springframework/security/scheduling/DelegatingSecurityContextTaskScheduler.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/AuthorityAuthorizationDecision.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/method/ExpressionAttributeAuthorizationDecision.java
*
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/method/MethodInvocationResult.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/method/ExpressionAttribute.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/ExpressionAuthorizationDecision.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/SecurityContextChangeListener.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/method/AbstractAuthorizationManagerRegistry.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/AuthorityReactiveAuthorizationManager.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/converter/RsaKeyConverters.java

* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationInterceptorsOrder.java
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* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthenticatedReactiveAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/userdetails/ReactiveUserDetailsService.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/context/ReactiveSecurityContextHolder.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/core/parameters/P.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ReactiveAuthenticationManager.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/AuthenticatedPrincipal.java
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Found in path(s):

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/event/LogoutSuccessEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/event/AuthorizationEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/AbstractSessionEvent.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/event/AuthorizationGrantedEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/SecurityContextChangedEvent.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/event/AuthorizationDeniedEvent.java
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Found in path(s):

* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/DefaultJaasAuthenticationProvider.java
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Found in path(s):

* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/InvalidOneTimeTokenException.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/annotation/ExpressionTemplateSecurityAnnotationScanner.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PostFilterAuthorizationMethodInterceptor.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AuthenticationObservationConvention.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/ReactiveAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationManagerBeforeMethodInterceptor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/DelegatingReactiveAuthenticationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/SimpleAuthorityMapper.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PreAuthorizeExpressionAttributeRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/method/DefaultMethodSecurityExpressionHandler.java


```

*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/MethodAuthorizationDeniedHandler.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthorizationObservationConvention.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/ObservationReactiveAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/JdbcOneTimeTokenService.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PostAuthorizeExpressionAttributeRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/Jsr250AuthorizationManager.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/AuthorizationDecision.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationProxy.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationManagerAfterMethodInterceptor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AbstractExpressionAttributeRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/password/CompromisedPasswordDecision.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/aot/hint/SecurityHintsRegistrar.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PostAuthorizeExpressionAttribute.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PostAuthorizeReactiveAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/reactive/InMemoryReactiveOneTimeTokenService.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/aot/hint/OneTimeTokenRuntimeHints.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationManagerAfterReactiveMethodInterceptor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/aot/hint/PrePostAuthorizeHintsRegistrar.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/hierarchicalroles/RoleHierarchyImpl.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/annotation/UniqueSecurityAnnotationScanner.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/InMemoryOneTimeTokenService.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/ThrowingMethodAuthorizationDeniedHandler.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationManagerBeforeReactiveMethodInterceptor.java
a
* /spring-security-core-6-4-3-sources-

```

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jar/org/springframework/security/core/userdetails/MapReactiveUserDetailsService.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PostFilterExpressionAttributeRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/OneTimeTokenService.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/annotation/AbstractSecurityAnnotationScanner.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/expression/ExpressionUtils.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/AuthorizationResult.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizeReturnObject.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/annotation/SecurityAnnotationScanner.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/aot/hint/AuthorizeReturnObjectHintsRegistrar.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PreFilterAuthorizationMethodInterceptor.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/SpringSecurityCoreVersion.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/SecuredAuthorizationManager.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/PreAuthorize.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/password/CompromisedPasswordChecker.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/DefaultOneTimeToken.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/annotation/AnnotationTemplateExpressionDefaults.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PreAuthorizeExpressionAttribute.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/ott/OneTimeToken.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/AuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PreFilterExpressionAttributeRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/SimpleAttributes2GrantedAuthoritiesMapper.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/GenerateOneTimeTokenRequest.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthorizationProxyFactory.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/aot/hint/PrePostAuthorizeExpressionBeanHintsRegistrar.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/reactive/ReactiveOneTimeTokenService.java
*

```

```

/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizationAdvisor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/OneTimeTokenAuthenticationProvider.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/session/InMemoryReactiveSessionRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/ReflectiveMethodAuthorizationDeniedHandler.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/PostAuthorize.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/parameters/DefaultSecurityParameterNameDiscoverer.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authorization/method/ExpressionUtils.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/NoOpAuthorizationEventPublisher.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/aot/hint/SecurityHintsAotProcessor.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/password/CompromisedPasswordException.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/reactive/OneTimeTokenReactiveAuthenticationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/AuthorizeReturnObjectMethodInterceptor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthorizationEventPublisher.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/annotation/SecurityAnnotationScanners.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/ReactiveSessionRegistry.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PostAuthorizeAuthorizationManager.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/ObservationAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PreAuthorizeReactiveAuthorizationManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/aot/hint/AuthorizeReturnObjectCoreHintsRegistrar.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/HandleAuthorizationDenied.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/ott/OneTimeTokenAuthenticationToken.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/provisioning/InMemoryUserDetailsManager.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/method/PrePostTemplateDefaults.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authorization/AuthorizationObservationContext.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/password/ReactiveCompromisedPasswordChecker.java

```

```
*  
/spring-security-core-6-4-3-sources-  
jar/org/springframework/security/authorization/method/PreAuthorizeAuthorizationManager.java  
* /spring-security-core-6-4-3-sources-  
jar/org/springframework/security/authorization/AuthorizationDeniedException.java  
* /spring-security-core-6-4-3-sources-  
jar/org/springframework/security/authorization/method/AuthorizationAdvisorProxyFactory.java  
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Found in path(s):

```
* /spring-security-core-6-4-3-sources-  
jar/org/springframework/security/jackson2/AbstractUnmodifiableCollectionDeserializer.java  
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* limitations under the License.  
*/  
/**  
* Reviews the Object returned from a secure object invocation, being able to  
* modify the Object or throw an {@link AccessDeniedException}.*/
```

```

* <p>
* Typically used to ensure the principal is permitted to access the domain object
* instance returned by a service layer bean.
  Can also be used to mutate the domain object
* instance so the principal is only able to access authorised bean properties or
* <code>Collection</code> elements.
* <p>
* Special consideration should be given to using an <code>AfterInvocationManager</code>
* on bean methods that modify a database. Typically an
* <code>AfterInvocationManager</code> is used with read-only methods, such as
* <code>public DomainObject getById(id)</code>. If used with methods that modify a
* database, a transaction manager should be used to ensure any
* <code>AccessDeniedException</code> will cause a rollback of the changes made by the
* transaction.
* </p>
*
* @author Ben Alex
* @see org.springframework.security.authorization.method.AuthorizationManagerBeforeMethodInterceptor
* @see org.springframework.security.authorization.method.AuthorizationManagerAfterMethodInterceptor
* @deprecated Use delegation with {@link AuthorizationManager}
*/

```

Found in path(s):

```

* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/intercept/AfterInvocationManager.java
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* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/jaas/AbstractJaasAuthenticationProvider.java
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```

* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/jackson2/AnonymousAuthenticationTokenMixin.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/jackson2/UsernamePasswordAuthenticationTokenMixin.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/jackson2/SimpleGrantedAuthorityMixin.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UserMixin.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UnmodifiableSetDeserializer.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UnmodifiableSetMixin.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/jackson2/RememberMeAuthenticationTokenMixin.java
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```

Found in path(s):

```

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UnmodifiableListMixin.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/Transient.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UnmodifiableListDeserializer.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/BadCredentialsExceptionMixin.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/token/KeyBasedPersistenceTokenService.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/userdetails/ReactiveUserDetailsPasswordService.java
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```

Found in path(s):

```

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/PermissionCacheOptimizer.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/MappableAttributesRetriever.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/core/authority/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/event/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/context/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/package-info.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/userdetails/cache/SpringCacheBasedUserCache.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/task/DelegatingSecurityContextAsyncTaskExecutor.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/PreFilter.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/Attributes2GrantedAuthoritiesMapper.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/method/P.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/SimpleMappableAttributesRetriever.java

```

- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/CredentialsContainer.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/provisioning/MutableUserDetails.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/jaas/event/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/expression/DenyAllPermissionEvaluator.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/prepost/PostFilter.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/dao/package-info.java
- *
- /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/hierarchicalroles/CycleInRoleHierarchyException.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/aspectj/AspectJMethodSecurityInterceptor.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/jaas/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/UserDetailsByNameServiceWrapper.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/provisioning/GroupManager.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/jdbc/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/aspectj/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/hierarchicalroles/NullRoleHierarchy.java
- *
- /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/AuthenticationUserDetailsService.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/jaas/memory/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/expression/method/MethodSecurityExpressionOperations.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/intercept/aopalliance/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/vote/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/concurrent/DelegatingSecurityContextExecutor.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/AccountStatusUserDetailsChecker.java
- *
- /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/UserDetailsChecker.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/context/DelegatingApplicationListener.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/hierarchicalroles/RoleHierarchyAuthoritiesMapper.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/token/DefaultToken.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/memory/package-info.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/token/TokenService.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/hierarchicalroles/RoleHierarchy.java
- * /spring-security-core-6-4-3-sources-


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jar/org/springframework/security/task/DelegatingSecurityContextTaskExecutor.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expressions/method/MethodSecurityExpressionHandler.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/access/event/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/expressions/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/annotation/package-info.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/InternalAuthenticationServiceException.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/util/package-info.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/MapBasedAttributes2GrantedAuthoritiesMapper.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/method/package-info.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/intercept/aspectj/MethodInvocationAdapter.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/hierarchicalroles/package-info.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/GrantedAuthoritiesMapper.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/authentication/AuthenticationEventPublisher.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/provisioning/MutableUser.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/authority/mapping/package-info.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/scheduling/DelegatingSecurityContextSchedulingTaskExecutor.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/AccountStatusException.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/mapping/NullAuthoritiesMapper.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/core/authority/GrantedAuthoritiesContainer.java
*
/spring-security-core-6-4-3-sources-jar/org/springframework/security/provisioning/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/provisioning/UserDetailsManager.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/package-info.java
* /spring-security-core-6-4-3-sources-
jar/org/springframework/security/concurrent/DelegatingSecurityContextExecutorService.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/cache/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/ComparableVersion.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/token/Sha512DigestUtils.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/token/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/package-info.java
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/expressions/method/package-info.java
*
/spring-security-core-6-4-3-sources-
jar/org/springframework/security/concurrent/DelegatingSecurityContextScheduledExecutorService.java
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*/
/**
* A token issued by {@link TokenService}.
*
* <p>
* It is important that the keys assigned to tokens are sufficiently randomised and
* secured that they can serve as identifying a unique user session. Implementations of
* {@link TokenService} are free to use encryption or encoding strategies of their
* choice.
* It is strongly recommended that keys are of sufficient length to balance safety against
* persistence cost. In relation to persistence cost, it is strongly recommended that
* returned keys are small enough for encoding in a cookie.
* </p>
*
* @author Ben Alex
* @since 2.0.1
*/

```

Found in path(s):

```
* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/token/Token.java
```

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Found in path(s):

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/ProviderManager.java

* /spring-security-core-6-4-3-sources-

jar/org/springframework/security/authentication/DefaultAuthenticationEventPublisher.java

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/SessionCreationEvent.java

*

/spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/SessionDestroyedEvent.java

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/session/SessionIdChangedEvent.java

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*/

/**

* @param authentication represents the user in question. Should not be null.

* @param targetDomainObject the domain object for which permissions should be

* checked. May be null in which case implementations should return false, as the null

* condition can be checked explicitly in the expression.

* @param permission a representation of the permission object as supplied by the

* expression system. Not null.

* @return true if the permission is granted, false otherwise

*/

Found in path(s):

* /spring-security-core-6-4-3-sources-jar/org/springframework/security/access/PermissionEvaluator.java

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- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/token/SecureRandomFactoryBean.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/userdetails/UserDetailsPasswordService.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/UserDetailsRepositoryReactiveAuthenticationManager.java
- *
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/AuthenticationManagerResolver.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/annotation/CurrentSecurityContext.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/ReactiveAuthenticationManagerResolver.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/authentication/ReactiveAuthenticationManagerAdapter.java

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- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/parameters/AnnotationParameterNameDiscoverer.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/core/annotation/AuthenticationPrincipal.java

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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
/**
 * Determines if the {@link #getAuthentication()} has permission to access the target
 * given the permission
 * @param target the target domain object to check permission on
 * @param permission the permission to check on the domain object (i.e. "read",
 * "write", etc.).
 * @return true if permission
 * is granted to the {@link #getAuthentication()}, else
 * false
 */
```

Found in path(s):

```
*/spring-security-core-6-4-3-sources-
jar/org/springframework/security/access/expression/SecurityExpressionOperations.java
```

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 */
```

Found in path(s):

- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/CoreJackson2Module.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UserDeserializer.java
- * /spring-security-core-6-4-3-sources-jar/org/springframework/security/jackson2/UsernamePasswordAuthenticationTokenDeserializer.java

1.140 javax-annotation-api 1.3.2

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wsrcm Version: 2005/02 (n/a)

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* Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

* Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wsrcm.xsd>; <http://schemas.xmlsoap.org/ws/2005/02/rm/wsrcm-policy.xsd>

wsrcm.xsd (1.2)

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xerces:xercesImpl:2.12.1 (2.12.1)

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1.143 spring-beans 6.2.3

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1.147 spring-retry 2.0.11

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1.148 musl 1.2.5-r10

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1.149 libpsl 0.21.5-r3

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1.151 netty-transport-native-epoll

4.1.118.Final

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```

Found in path(s):

`/netty-transport-native-epoll-4-1-118-final-sources-jar/netty_epoll_native.c`

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```


*/

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* /netty-transport-native-epoll-4-1-118-final-sources-jar/netty_epoll_linuxsocket.c

* /netty-transport-native-epoll-4-1-118-final-sources-jar/netty_epoll_linuxsocket.h

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* /netty-transport-native-epoll-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-transport-native-epoll/pom.xml

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* /netty-transport-native-epoll-4-1-118-final-sources-jar/netty_epoll_vmsocket.h

1.152 spring-cloud-starter-consul-discovery

4.2.0

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Found in path(s):

* /spring-cloud-starter-consul-discovery-4-2-0-jar/META-INF/maven/org.springframework.cloud/spring-cloud-starter-consul-discovery/pom.xml

1.153 undertow-servlet 2.3.18.Final

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Found in path(s):

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletConnectionImpl.java

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/DefaultCharsetMapping.java

*

/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/DispatchUtils.java

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```

Found in path(s):

```
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/Servlets.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletConfigImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletCookieAdaptor.java
*
/undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/ServletAuthenticationCallHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/Resolver.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ClassIntrospector.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/HttpServletResponseImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/AuthorizationManager.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SecurityInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SessionConfigWrapper.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/DefaultClassIntrospector.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/FilterMappingInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/RewriteMap.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/EmptyEnumeration.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/ServletSecurityConstraintHandler.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/websockets/ServletWebSocketHttpExchange.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ErrorResponse.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletRequestLocaleAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ManagedFilters.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/HttpSessionImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletSessionIdAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/AuthMethodConfig.java
```

```

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/MarkSecureHandler.java
*
/undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/ServletAuthenticationConstraintHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletInputStreamImpl.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/attribute/ServletRequestedSessionIdAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ManagedListener.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/LoggingExceptionHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/CrawlerSessionManagerConfig.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/PartImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/InstanceHandle.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/websockets/WebSocketServlet.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/predicate/DirectoryPredicate.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/LifecycleInterceptorInvocation.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletDispatcher.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ContextClassLoaderSetupAction.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/DeploymentManager.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ServletExtensionHolder.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletPathMatch.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/SavedRequest.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/Lifecycle.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/predicate/FilePredicate.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletRequestContext.java
*
/undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/attribute/ServletRequestedSessionIdValidAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/SSLInformationAssociationHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/RequestDispatcherImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletInitialHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/ConstructorInstanceFactory.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/RewriteCond.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/FilterConfigImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletRequestAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ThreadSetupHandler.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletSessionAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/HttpServletRequestImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/UndertowServletMessages.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletRequestURLAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SecurityRoleRef.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/DefaultServlet.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/InstanceFactory.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ServletBlockingHttpExchange.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/SecurityActions.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/FilterHandler.java

```

```

*
/undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/attribute/ServletRequestedSessionIdFromCookieAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/CrawlerSessionManagerHandler.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/CachedAuthenticatedSessionHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/ImmediateInstanceHandle.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SingleConstraintMatch.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/UndertowServletLogger.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/BlockingWriterSenderImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/FilterRegistrationImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/TransportGuaranteeType.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ManagedServlets.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletStackTraces.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ManagedServlet.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/SecurityActions.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/IteratorEnumeration.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/WebConnectionImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletPrintWriter.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/DeploymentImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletNameAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/attribute/ServletRequestCharacterEncodingAttribute.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/InMemorySessionManagerFactory.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/DefaultServletConfig.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/ServletSingleSignOnAuthenticationMechanism.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/MappingImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/sse/ServerSentEventSCI.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/Substitution.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/ImmediateInstanceFactory.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/FilterInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/HttpMethodSecurityInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/MetricsChainHandler.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletChain.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ContentTypeInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletOutputStreamImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletContainer.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ServletUpgradeListener.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/LoginConfig.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletPathMatchesData.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/LegacyThreadSetupActionWrapper.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/security/SecurityPathMatch.java
* /undertow-servlet-2-3-18-final-sources-1-

```

```

jar/io/undertow/servlet/handlers/security/ServletSingleSignInAuthenticationMechanism.java
*
/undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/core/ServletRequestContextThreadSetupAction.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ExceptionHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ManagedFilter.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/ServletFormAuthenticationMechanism.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ThreadSetupAction.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletContainerInitializerInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/WebResourceCollection.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ErrorPages.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/SessionCookieConfigImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ListenerInfo.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/SessionRestoringHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ApplicationListeners.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/DeploymentManagerImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletSecurityInfo.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/PushBuilderImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SecurityConstraint.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/SessionListenerBridge.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SessionManagerFactory.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/UpgradeServletOutputStream.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/DeploymentInfo.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/RewriteHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/UndertowResolver.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/SecurityActions.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletRegistrationImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/RewriteConfigFactory.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ConfidentialPortManager.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/RewriteConfig.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/compat/rewrite/RewriteRule.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletInfo.java
* /undertow-servlet-2-3-18-final-sources-1-
jar/io/undertow/servlet/handlers/security/ServletSecurityRoleHandler.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SessionPersistenceManager.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletDispatchingHandler.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletRelativePathAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletPrintWriterDelegate.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/ServletExtension.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/ServletContextImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/ServletContainerImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/sse/ServerSentEvent.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/Deployment.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletDebugPageHandler.java

```

```

*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/AsyncContextImpl.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/MetricsCollector.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/predicate/DispatcherTypePredicate.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletRequestParameterAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/ServletPathMatches.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/util/InMemorySessionPersistence.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/security/SecurityPathMatches.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/ServletSessionConfig.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/core/DefaultAuthorizationManager.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/websockets/SecurityActions.java
*
/undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/MimeMapping.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletContextAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/attribute/ServletRequestLineAttribute.java
* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/spec/UpgradeServletInputStream.java
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```

```

protected String noConfidentialPortAvailable$str() {
return "UT010053: No confidential port is available to redirect the current request.";
public final IllegalStateException noConfidentialPortAvailable() {
final IllegalStateException result = new IllegalStateException(String.format(getLoggingLocale(),
noConfidentialPortAvailable$str()));

```

Found in path(s):

```

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/UndertowServletMessages_$bundle.java
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```

```

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```

Found in path(s):

```

* /undertow-servlet-2-3-18-final-sources-1-jar/META-INF/maven/io.undertow/undertow-servlet/pom.xml

```

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Found in path(s):

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/api/SecurityActions.java

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/RedirectDirHandler.java

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```
/*
```



```

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```

Found in path(s):

```

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/Paths.java

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*/

/**
* Servlet specific extension to {@link SinglePortConfidentialityHandler}
*
* @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
*/

/**
* Use the HttpServerExchange supplied to check if
this request is already 'sufficiently' confidential.
*
* Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual

```

SSLSession.

```
*  
* @param exchange - The {@link HttpServerExchange} for the request being processed.  
* @return true if the request is 'sufficiently' confidential, false otherwise.  
*/
```

Found in path(s):

* /undertow-servlet-2-3-18-final-sources-1-jar/io/undertow/servlet/handlers/security/ServletConfidentialityConstraintHandler.java

1.154 resilience4j-cache 2.2.0

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1.155 coreutils 9.5-r2

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```

* /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseSslConduitEngine.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseXnioSsl.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/XnioSsl.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/FixedLengthUnderflowException.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/FixedLengthOverflowException.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/FixedLengthStreamSinkChannel.java
*
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/NullStreamSinkChannel.java

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```
*/xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SimpleAcceptingChannel.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/streams/Streams.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/XnioFileChannel.java
*/
/xnio-api-3-8-16-final-sources-jar/org/xnio/channels/TranslatingSuspendableChannel.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/Property.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/ChannelListeners.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/sasl/SaslUtils.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/BufferAllocator.java
*/xnio-api-3-8-16-final-sources-jar/org/xnio/sasl/SaslWrapper.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/WriteTimeoutException.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/BufferedChannelInputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/BufferPipeOutputStream.java
*
/xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SuspendableAcceptChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/ReaderInputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/BufferPipeInputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ReadTimeoutException.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/WriterOutputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/Option.java

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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/BlockingReadableByteChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/ByteString.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/OptionMap.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/BlockingByteChannel.java
*
/xnio-api-3-8-16-final-sources-jar/org/xnio/channels/BlockingWritableByteChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SslChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/TranslatingResult.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/sasl/SaslStrength.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/CloseableChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/FutureResult.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/Sequence.java

* /xnio-api-3-8-16-final-sources-jar/org/xnio/ChannelListener.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/XnioWorkerConfigurator.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/XnioXmlParser.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/PushBackStreamChannel.java

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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledConnectedSslStreamChannel.java
*
/xnio-api-3-8-16-final-sources-jar/org/xnio/ChannelPipe.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledStreamChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ConcurrentStreamChannelAccessException.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledConnectedStreamChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledSslChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/EmptyStreamSourceChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledMessageChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AssembledConnectedChannel.java
*
/xnio-api-3-8-16-final-sources-jar/org/xnio/DelegatingChannelListener.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/_private/Messages.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ChannelFactory.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SplitStreamSinkChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SplitStreamSourceChannel.java
*
* /xnio-api-3-8-16-final-sources-jar/org/xnio/CompressionType.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ProtectedWrappedChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/ReadPropertyAction.java

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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SocketAddressBuffer.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/Pooled.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/ByteBufferSlicePool.java
*
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/LimitedOutputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/LocalSocketAddress.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/LimitedInputStream.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/Channels.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ReadableMultipointMessageChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/ChannelInputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/Configurable.java
*

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/xnio-api-3-8-16-final-sources-jar/org/xnio/channels/StreamSourceChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/streams/ChannelOutputStream.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SuspendableWriteChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/SuspendableReadChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/WritableMessageChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/AbstractConvertingIoFuture.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/IOFuture.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/Buffers.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/UnsupportedOptionException.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/Xnio.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/StreamSinkChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/WritableMultipointMessageChannel.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ReadableMessageChannel.java
*
/xnio-api-3-8-16-final-sources-jar/org/xnio/IOUtils.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/AbstractIOFuture.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/MulticastMessageChannel.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/http/UpgradeFailedException.java
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* /xnio-api-3-8-16-final-sources-jar/org/xnio/ClosedWorkerException.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/SequenceOption.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseSslUtils.java
*
* /xnio-api-3-8-16-final-sources-jar/org/xnio/TypeOption.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/XnioWorker.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/Bits.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/SingleOption.java
* /xnio-api-3-8-16-final-sources-jar/org/xnio/TypeSequenceOption.java
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 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/NullStreamSinkConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/SynchronizedMessageSinkConduit.java
 *
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/ConduitStreamSourceChannel.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/DeflatingStreamSinkConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/sasl/SaslUnwrappingConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/BufferedStreamSourceConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/FileChangeEvent.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/SynchronizedStreamSinkConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/SynchronizedMessageSourceConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/BlockingStreamSinkConduit.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/http/HttpUpgradeParser.java
 * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/ConduitWritableByteChannel.java

- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractSynchronizedSinkConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseStreamConduit.java
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- /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/CloseListenerSettable.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/package-info.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/ReadListenerSettable.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/StreamConnection.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/MessageStreamSinkConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/FixedLengthStreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/StreamSinkConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/WriteReadyHandler.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/TerminateHandler.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/MessageSourceConduit.java
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- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractStreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/FixedLengthStreamSinkConduit.java
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- * /xnio-api-3-8-16-final-sources-jar/org/xnio/FileSystemWatcher.java
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- * /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseSslStreamConnection.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/StreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/EmptyStreamSourceConduit.java
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- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/BlockingStreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/http/HttpUpgrade.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/MessageConnection.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractMessageSinkConduit.java
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- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractSynchronizedSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/ConduitWritableMessageChannel.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/ConduitStreamSinkChannel.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/WriteListenerSettable.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractSynchronizedConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/Connection.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/ReadReadyHandler.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/FileAccess.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/AutomaticReference.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/SynchronizedStreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseAcceptingSslStreamConnection.java
- *
- /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/ConduitReadableMessageChannel.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/FramingMessageSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/SinkConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/AbstractStreamSinkConduit.java

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- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/FramingMessageSinkConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/MessageSinkConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/FileChangeCallback.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/Conduits.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/management/XnioWorkerMXBean.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/Conduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/XnioIoThread.java
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- /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/JsseSslStreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/MessageStreamSourceConduit.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/Options.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/http/RedirectException.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/management/XnioProviderMXBean.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/channels/AcceptListenerSettable.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/AbstractAcceptingSslChannel.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/ssl/SslConnection.java
- * /xnio-api-3-8-16-final-sources-jar/org/xnio/conduits/InflatingStreamSourceConduit.java
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1.160 fun-io-bios 2.3.0

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```

Found in path(s):

```
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/BIOS.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/SerializationCodec.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/CipherFilter.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/PreferencesStore.java
*
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/RealPathStore.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/InflateFilter.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/Base64Filter.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/DeflateFilter.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/MemoryStore.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/GZIPFilter.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/Close.java
*/fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/XMLCodec.java
```

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*/

Found in path(s):

* /fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/DirectoryStore.java

* /fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/ZipFileAdapter.java

* /fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/JarOutputStreamAdapter.java

* /fun-io-bios-2-3-0-sources-jar/global/namespace/fun/io/bios/ZipOutputStreamAdapter.java

1.161 spring-cloud-starter-vault-config 4.2.0

1.161.1 Available under license :

Spring Cloud Vault 2.0.0.BUILD-SNAPSHOT

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/reactor-netty-incubator-quic-0-2-3-sources-jar/reactor/netty/incubator/quic/QuicInboundStreamOperations.java

* /reactor-netty-incubator-quic-0-2-3-sources-jar/reactor/netty/incubator/quic/QuicOutbound.java

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1.168 bcel 6.7.0

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1.169 tomcat-annotations-api 10.1.36

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```

Found in path(s):

```
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/SecondsConvertor.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ObjectListReplayDecoder2.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveRedisClusterConnection.java
*
/redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveRedisConnection.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/RedissonSubscription.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/SetReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ScoredSortedSetBlockingReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/RedissonBaseCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonSentinelConnection.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ByteBufferGeoResultsDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterStreamCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterListCommands.java
*
```



```

/redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ObjectMapEntryReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveServerCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ScoredSortedListReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterGeoCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterZSetCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/DistanceConvertor.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/PointDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/PropertiesListDecoder.java
*
/redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ScoredSortedSetReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ScoredSortedSingleBlockingReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/SingleMapEntryDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterServerCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/GeoResultsDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterNumberCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterHashCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactivePubSubCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/RedissonBaseReactive.java
*
/redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/RedissonClusterConnection.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveHashCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveHyperLogLogCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveZSetCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveStringCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveGeoCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveNumberCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveKeyCommands.java
*
/redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterSetCommands.java

```

```

* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/DataTypeConvertor.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/RedissonConnection.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ScoredSortedSingleReplayDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonConnectionFactory.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveSubscription.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/ScoredSortedSetReplayDecoderV2.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterKeyCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveScriptingCommands.java
*
/redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveSetCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonExceptionConverter.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveListCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterStringCommands.java
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* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/RedisClusterNodeDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonStreamCommands.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/PropertiesDecoder.java
*
/redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/BinaryConvertor.java
* /redisson-spring-data-32-3-25-0-sources-1-jar/org/redisson/spring/data/connection/ListMergeDecoder.java
* /redisson-spring-data-32-3-25-0-sources-1-
jar/org/redisson/spring/data/connection/RedissonReactiveClusterHyperLogLogCommands.java

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Found in path(s):

```

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/FluxMessageChannelSpec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/ReplyProducingMessageHandlerWrapper.java
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Found in path(s):

```

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/MessageHandlerSupport.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/AbstractReactiveMessageHandler.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/FluxAggregatorMessageHandler.java
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Found in path(s):

- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/GenericEndpointSpec.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/support/management/MessageSourceManagement.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/AbstractRouterSpec.java
- *
- /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/transaction/TransactionHandleMessageAdvice.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/EndpointNode.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/MessageChannelNode.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/MessageProducerNode.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/MessageGatewayNode.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/MessageHandlerNode.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/RendezvousChannelSpec.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/FilterEndpointSpec.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PollerSpec.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/ResequencerSpec.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/transaction/TransactionInterceptorBuilder.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PublishSubscribeSpec.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PriorityChannelSpec.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/MessageSourceNode.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/graph/ErrorCapableEndpointNode.java

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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/converter/PassThruMessageConverter.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/json/JacksonPresent.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/support/PayloadExpressionArgumentResolver.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/ExpressionCapable.java
* /spring-integration-core-6-4-2-sources-

```

jar/org/springframework/integration/handler/BeanNameMessageProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MessageDecorator.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MapBuilder.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/LinkNode.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessageProcessorSpec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/ErrorCapableCompositeMessageHandlerNode.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/DiscardingMessageHandler.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/ComponentsRegistration.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/SubscribableChannelManagement.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/SimpleSequenceSizeReleaseStrategy.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/ErrorCapableNode.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageMetadata.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/ErrorCapableRoutingNode.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/endpoint/IntegrationConsumer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/MessageRouter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/CompositeMessageHandlerNode.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/Graph.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/CompositeMessageHandler.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/StringStringMapBuilder.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/ErrorCapableDiscardingMessageHandlerNode.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/ErrorCapableMessageHandlerNode.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/StreamTransformer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/StreamTransformerParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/DiscardingMessageHandlerNode.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/AbstractHandleMessageAdvice.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/RoutingMessageHandlerNode.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/MessageProcessorMessageSource.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/HandleMessageAdvice.java
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```

* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/EncodingPayloadTransformer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/DecodingTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/metadata/MetadataStoreListener.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/CodecMessageConverter.java
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```

* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/channel/HeaderChannelRegistry.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/json/JsonPathUtils.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/gateway/MethodArgsHolder.java
*

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/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/SpelFunctionFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/support/MessageProcessingHeaderValueMessageProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/gateway/MethodArgsMessageMapper.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/MessageCountReleaseStrategy.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/AbstractAggregatingMessageGroupProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/SplitterParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/SplitterFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/SyslogToMapTransformerParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ClaimCheckOutParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/MapToObjectTransformerParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/MessageGroupProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/BeanDefinitionRegisteringParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/MethodInvokingRouter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ObjectToMapTransformerParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/MethodInvokingTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/advice/RetryStateGenerator.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/SelectorParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/MappingMessageRouterManagement.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/ExpressionEvaluatingRouter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/HeaderValueRouter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/MessageTimeoutException.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractChannelParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ObjectToJsonTransformerParser.java
 *
 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/AbstractTransformer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/ObjectToMapTransformer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/ReleaseStrategy.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/DefaultAggregatingMessageGroupProcessor.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/TrackableComponent.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/PayloadSerializingTransformer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/json/JsonInboundMessageMapper.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ErrorMessageExceptionTypeRouterParser.java
 *
 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractChannelAdapterParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/MessageSequenceComparator.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/MessageDispatchingException.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/expression/ExpressionSource.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/PayloadTypeRouterParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/MessageSelector.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/ErrorMessageExceptionTypeRouter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractConsumerEndpointParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/Orderable.java
 *
 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/CorrelationStrategy.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/PayloadSerializingTransformerParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/StandardHeaderEnricherParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/StandardHeaderEnricherParser.java

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jar/org/springframework/integration/config/xml/ServiceActivatorParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/HeaderFilterParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/HeaderValueRouterParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/JsonOutboundMessageMapper.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/MessageDispatcher.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/BridgeParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/LoadBalancingStrategy.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/mapping/RequestReplyHeaderMapper.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/FilterParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/GlobalChannelInterceptorParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/OrderlyShutdownCapable.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/ExpressionEvaluatingTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/GenericSelector.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/MapToObjectTransformer.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/TransformerParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/TimeoutCountSequenceSizeReleaseStrategy.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/ObjectToStringTransformerParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/RendezvousChannel.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/splitter/ExpressionEvaluatingSplitter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/SpelExpressionRetryStateGenerator.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/AsyncMessagingOperations.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/DelayerParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/locks/PassThruLockRegistry.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/MessageListProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/ReplyRequiredException.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/MessageTransformationException.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ClaimCheckInParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/splitter/MethodInvokingSplitter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/context/NamedComponent.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/LoggingChannelAdapterParser.java
* /spring-integration-core-6-4-2-sources-

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jar/org/springframework/integration/selector/UnexpiredMessageSelector.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/ExpressionMessageProducerSupport.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/AbstractTransformerParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/mapping/MessageMappingException.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/gateway/RequestReplyExchanger.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/WireTapParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/DefaultTransactionSynchronizationFactory.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/ExpressionEvaluatingMessageListProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/ExpressionEvaluatingReleaseStrategy.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ResequencerParser.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/AbstractInboundGatewayParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/history/HistoryWritingMessagePostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/MessageRejectedException.java
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```

* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aot/GatewayProxyInitializationAotProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/GatewayProxyInstantiationPostProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/observation/DefaultMessageSenderObservationConventio

```

n.java

*

/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aot/CoreRuntimeHints.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/support/management/observation/MessageReceiverContext.java

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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessageChannels.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/ScatterGatherSpec.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/DelayerEndpointSpec.java

*

/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/GatewayEndpointSpec.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessagingGatewaySpec.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/Pollers.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/WireTapSpec.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/dsl/context/DslIntegrationConfigurationInitializer.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/EndpointSpec.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/IntegrationGraphServer.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/IntegrationComponentSpec.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/handler/LambdaMessageProcessor.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/IntegrationFlow.java

*

/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PollerFactory.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/RouterSpec.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/gateway/GatewayMessageHandler.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessageChannelSpec.java

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```

Found in path(s):

```

* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/IdempotentReceiverInterceptorParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CallerBlocksPolicy.java
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```

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/scheduling/PollSkipStrategy.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/EnableIntegration.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/EnablePublisher.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IntegrationConverter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/store/PriorityCapableChannelMessageStore.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/IntegrationConfigurationInitializer.java

```

```

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CompositeExecutor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/channel/interceptor/VetoCapableInterceptor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MessageBuilderFactory.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/Context.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/DefaultCandidate.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/IdempotentReceiver.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/routingslip/RoutingSlipRouteStrategy.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/ChannelMessageStore.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/AnnotationConstants.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/MutableMessageBuilderFactory.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/IntegrationResourceHolderSynchronization.java
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```

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```

* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/EmbeddedJsonHeadersMessageMapper.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/converter/ObjectStringMessageConverter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/PassThroughTransactionSynchronizationFactory.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/expression/SpelPropertyAccessorRegistrar.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/GenericMessageJacksonDeserializer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/AdviceMessageJacksonDeserializer.java

```

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/gateway/AnnotationGatewayProxyFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/json/SimpleJsonSerializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/Utils/PatternMatchUtils.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/ManageableSmartLifecycle.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/ReceiveMessageAdvice.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/IntegrationInboundManagement.java
*
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/acks/SimpleAcknowledgment.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/BroadcastCapableChannel.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/ReactiveMessageHandlerAdapter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/SimpleActiveIdleReceiveMessageAdvice.java
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jar/org/springframework/integration/config/IntegrationEvaluationContextFactoryBean.java
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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/AbstractReplyProducingMessageHandler.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/ExpressionEvaluatingRequestHandlerAdvice.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/ExpressionEvaluatingCorrelationStrategy.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/filter/ExpressionEvaluatingSelector.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/DynamicPeriodicTrigger.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/expression/ReloadableResourceBundleExpressionSource.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/channel/interceptor/GlobalChannelInterceptorWrapper.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/ClaimCheckInTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AggregatorParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/ObjectToStringTransformer.java
* /spring-integration-core-6-4-2-sources-


```

jar/org/springframework/integration/gateway/GatewayMethodInboundMessageMapper.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/UUIDConverter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/AbstractMessageRouter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/AbstractJsonInboundMessageMapper.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aop/SimplePublisherMetadataSource.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/filter/MessageFilter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ExpressionFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/ReleaseStrategy.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/SourcePollingChannelAdapter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/RecipientListRouterParser.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/MethodInvokingMessageSource.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/ChannelPurger.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/gateway/MessagingGatewaySupport.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/UpperBound.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/store/AbstractKeyValueMessageStore.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/expression/DynamicExpression.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/ClassUtils.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ControlBusParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/AbstractRequestHandlerAdvice.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/DefaultConfiguringBeanFactoryPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/splitter/DefaultMessageSplitter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/ConsumerEndpointFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/IntegrationContextUtils.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/dispatcher/BroadcastingDispatcher.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/IntegrationObjectSupport.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ChainParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/metadata/SimpleMetadataStore.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/AbstractMessageProcessingTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/PublisherAnnotationAdvisor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/PublishSubscribeChannel.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/RequestHandlerRetryAdvice.java

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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/endpoint/AbstractPollingEndpoint.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/splitter/AbstractMessageSplitter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/converter/MapMessageConverter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/AnnotatedMethodFilter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/HeaderEnricher.java
 *
 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/endpoint/EventDrivenConsumer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractOutboundChannelAdapterParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageGroupMetadata.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/FilterFactoryBean.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/AbstractCorrelatingMessageHandler.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/splitter/AbstractMessageProcessingSplitter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/CorrelatingMessageBarrier.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/json/JacksonJsonUtils.java
 *
 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/AggregateMessageDeliveryException.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/selector/PayloadTypeSelector.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/HeaderAttributeCorrelationStrategy.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/ServiceActivatingHandler.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ServiceActivatorFactoryBean.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/converter/SimpleMessageConverter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/endpoint/PollingConsumer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/AbstractSimpleMessageHandlerFactoryBean.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/MessagePublishingErrorHandler.java
 *
 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/ResequencingMessageGroupProcessor.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/ExpressionEvaluatingMessageProcessor.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/MethodAnnotationPublisherMetadataSource.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/ClaimCheckOutTransformer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractRouterParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/AggregatingMessageHandler.java
 * /spring-integration-core-6-4-2-sources-

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jar/org/springframework/integration/endpoint/ExpressionEvaluatingMessageSource.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/EnricherParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/DelayHandlerManagement.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/MethodInvokingReleaseStrategy.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/filter/AbstractMessageProcessingSelector.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/PostProcessingMessageHandler.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/mapping/AbstractHeaderMapper.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/PayloadDeserializingTransformer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/SourcePollingChannelAdapterFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/CorrelationStrategy.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/converter/AllowListDeserializingConverter.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/channel/interceptor/MessageSelectingInterceptor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/AbstractMethodAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/resource/ResourceRetrievingMessageSource.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/PseudoTransactionManager.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/GlobalChannelInterceptorProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/GatewayParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/DelayHandler.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/HeaderFilter.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/ExpressionEvaluatingMessageGroupProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/AbstractStandardMessageHandlerFactoryBean.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/ExpressionCommandMessageProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/Jackson2JsonMessageParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/ExecutorChannel.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/AsyncMessagingTemplate.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/MessageProducer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/BridgeHandler.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/ResequencingMessageHandler.java

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* /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/aop/MethodNameMappingPublisherMetadataSource.java
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 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/config/xml/AnnotationConfigParser.java
 * /spring-integration-core-6-4-2-sources-
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 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/UniqueMethodFilter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/DirectChannel.java
 * /spring-integration-core-6-4-2-sources-
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 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/TransformerFactoryBean.java
 *
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 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/history/MessageHistoryConfigurer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MessageBuilder.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/SimpleMessageStore.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/AbstractExpressionEvaluator.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/gateway/GatewayProxyFactoryBean.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/router/AbstractMappingMessageRouter.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/handler/support/MessagingMethodInvokerHelper.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/handler/ExpressionEvaluatingMessageHandler.java
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 /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/ErrorHandlerTaskExecutor.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/scheduling/PollerMetadata.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/history/MessageHistory.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/config/ExpressionControlBusFactoryBean.java
 * /spring-integration-core-6-4-2-sources-
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 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/config/xml/AbstractPollingInboundChannelAdapterParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/interceptor/WireTap.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/FixedMethodFilter.java
 *
 /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/handler/advice/ErrorMessageSendingRecoverer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/RecipientListRouter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/BeanFactoryTypeConverter.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/PublisherMetadataSource.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/ContentEnricher.java
 * /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/config/xml/ChannelInterceptorParser.java

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```
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/CacheRequestHandlerAdvice.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/MicrometerNodeEnhancer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/RateLimiterRequestHandlerAdvice.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/IntegrationPatternType.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/dsl/BaseIntegrationFlowDefinition.java
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```

* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/ToProtobufTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CheckedFunction.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/support/ProtoHeaders.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/ContextHolderRequestHandlerAdvice.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/MessagingAnnotationBeanPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/HeaderFilterSpec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/FromProtobufTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CheckedRunnable.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/PeriodicTriggerFactoryBean.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/graph/IntegrationGraphRuntimeHints.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/SplitterSpec.java
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jar/org/springframework/integration/aggregator/DelegatingMessageGroupProcessor.java
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- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/event/OnFailedToAcquireMutexEvent.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Default.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/support/PayloadsArgumentResolver.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/ReactiveStreamsSubscribableChannel.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/DefaultErrorMessageStrategy.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/support/CollectionArgumentResolver.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MessagingExceptionWrapper.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/support/MapArgumentResolver.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/ErrorMessagePublisher.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/ErrorMessageStrategy.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/converter/ConfigurableCompositeMessageConverter.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/HeaderPropagationAware.java

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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/JavaUtils.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/GatewayProxySpec.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IntegrationConfigUtils.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/MessageHistoryRegistrar.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/PublisherRegistrar.java
*
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/expression/FunctionExpression.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/expression/SupplierExpression.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/support/RoutingSlipHeaderValueMessageProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IdempotentReceiverAutoProxyCreatorInitializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/MessagingGateway.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IntegrationComponentScanRegistrar.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/converter/DefaultDatatypeChannelMessageConverter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/selector/MetadataStoreSelector.java
*
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IntegrationConverterInitializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Poller.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IdempotentReceiverAutoProxyCreator.java
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```

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/EnricherSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/HeaderEnricherSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/StandardIntegrationFlow.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/PersistentMessageGroup.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/LoadBalancingChannelSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/DirectChannelSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/RecipientListRouterSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/AggregatorSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/BarrierSpec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/leader/LockRegistryLeaderInitiator.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageHolder.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessageHandlerSpec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/dsl/context/IntegrationFlowBeanPostProcessor.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/IntegrationFlowAdapter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/IntegrationNode.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/IntegrationFlowDefinition.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/ReactiveStreamsConsumer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PublisherIntegrationFlow.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/QueueChannelSpec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/dsl/support/MessageChannelReference.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/Channels.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/ConsumerEndpointSpec.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/ExecutorChannelSpec.java
* /spring-integration-core-6-4-2-sources-

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jar/org/springframework/integration/dsl/support/FixedSubscriberChannelPrototype.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/PropertiesBuilder.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/Transformers.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/context/StandardIntegrationFlowContext.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessageProducerSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/SourcePollingChannelAdapterSpec.java
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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/MutableMessageJacksonDeserializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/ErrorMessageUtils.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/ErrorMessageJacksonDeserializer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/MessageJacksonDeserializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/UseSpelInvoker.java
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jar/org/springframework/integration/json/JsonNodeWrapperToJsonNodeConverter.java
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jar/org/springframework/integration/support/management/micrometer/MicrometerMetricsCaptorImportSelector.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/ManageableLifecycle.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/micrometer/MicrometerMetricsCaptorConfiguration.java
*
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/json/MimeTypeSerializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/BroadcastPublishSubscribeSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/advice/ReactiveRequestHandlerAdvice.java
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- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/channel/BeanFactoryChannelResolver.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/AcceptOnceCollectionFilter.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Aggregator.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Splitter.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageGroupStore.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/SimplePool.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Filter.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Gateway.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/SimpleMessageGroup.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/MessagingTemplate.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Router.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Transformer.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageStore.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/MessageHandlerChain.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/ServiceActivator.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ReleaseStrategyFactoryBean.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/AbstractMessageChannel.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/locks/LockRegistry.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IdGeneratorConfigurer.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/AbstractDispatcher.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/DefaultRouterParser.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/MessageTransformingHandler.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/MessagingAnnotationPostProcessor.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/LoggingHandler.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/selector/MessageSelectorChain.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/CorrelationStrategyFactoryBean.java

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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/SendTimersAware.java

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/spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/aggregator/DefaultAggregateHeadersFunction.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/IntegrationPattern.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/config/annotation/AnnotationMetadataAdapter.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/support/AvroHeaders.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/ChannelUtils.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/transformer/SimpleFromAvroTransformer.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/PollableChannelNode.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/transformer/SimpleToAvroTransformer.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/support/channel/ChannelResolverUtils.java

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/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/graph/ReceiveCountersAware.java

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- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/DefaultMessageReceiverObservationConvention.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/IntegrationObservation.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/MessageSenderContext.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/support/IntegrationMessageHandlerMethodFactory.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Transformers.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/MessageRequestReplyReceiverObservationConvention.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Aggregators.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/MessageRequestReplyReceiverContext.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/BridgeToRepeatable.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CoroutinesUtils.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/DefaultMessageRequestReplyReceiverObservationConvention.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/support/IntegrationInvocableHandlerMethod.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Splitters.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/IntegrationDsl.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/BridgeFromRepeatable.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/MessageSenderObservationConvention.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/observation/MessageReceiverObservationConvention.java
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/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Filters.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/channel/interceptor/ObservationPropagationChannelInterceptor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aot/IntegrationBeanRegistrationExcludeFilter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/ServiceActivators.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Routers.java
* /spring-integration-core-6-4-2-sources-
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jar/org/springframework/integration/channel/interceptor/ThreadStatePropagationChannelInterceptor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/IntegrationManagementConfiguration.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/KryoClassListRegistrar.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/store/AbstractBatchingMessageGroupStore.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/SmartLifecycleRoleController.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/FluxMessageChannel.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/AbstractKryoCodec.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/IntegrationManagementConfigurer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/metadata/MetadataStoreListenerAdapter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/AbstractExecutorChannel.java
*

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/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/PartialSuccessException.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MutableMessageHeaders.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/IntegrationManagementParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/Codec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/KryoRegistrar.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/BarrierMessageHandler.java
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/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IntegrationConfigurationReport.java
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/TransformerEndpointSpec.java
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CheckedCallable.java
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/KotlinTransformerEndpointSpec.kt
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/PartitionedDispatcher.java
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PartitionedChannelSpec.java
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/KotlinSplitterSpec.kt
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/PartitionedChannel.java
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- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ControlBusFactoryBean.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/ComponentSourceAware.java
- *
 - /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/ControlBusCommandRegistry.java
 - * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/ControlBusMessageProcessor.java
 - * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/BaseMessageBuilder.java

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- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/MessageCodec.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/BarrierParser.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/ExecutorChannelInterceptorAware.java

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- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/aggregator/SimpleMessageGroupProcessor.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/CompositeCodec.java
- *
- /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/event/LeaderEventPublisher.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/support/locks/ExpirableLockRegistry.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/support/management/IntegrationManagedResource.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/FileKryoRegistrar.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/AbstractCandidate.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/leader/event/DefaultLeaderEventPublisher.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/event/AbstractLeaderEvent.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/scheduling/SimplePollSkipStrategy.java
- * /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/codec/kryo/KryoRegistrationRegistrar.java
- *
- /spring-integration-core-6-4-2-sources-
- jar/org/springframework/integration/dispatcher/MessageHandlingTaskDecorator.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/event/OnRevokedEvent.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/event/OnGrantedEvent.java

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- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/MessageHeadersSerializer.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/MessageKryoRegistrar.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/AbstractKryoRegistrar.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/CompositeKryoRegistrar.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/RegistrationIds.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/CompoundTriggerAdvice.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/PojoCodec.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/FileSerializer.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/IntegrationManagement.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/gateway/DefaultMethodInvokingMethodInterceptor.java
- * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/MutableMessageHeadersSerializer.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CompoundTrigger.java

*

/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/codec/kryo/KryoClassMapRegistrar.java

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jar/org/springframework/integration/config/xml/PointToPointChannelParser.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/gateway/GatewayMethodMetadata.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/Pool.java

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*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/MethodInvokingMessageProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageGroup.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/mapping/OutboundMessageMapper.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/json/ObjectToJsonTransformer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/AbstractCorrelatingMessageHandlerParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/RequestHandlerCircuitBreakerAdvice.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/TransactionSynchronizationFactory.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/json/AbstractJacksonJsonMessageParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/PriorityChannel.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/ResourceInboundChannelAdapterParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/AbstractPollableChannel.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/message/AdviceMessage.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/AbstractIntegrationNamespaceHandler.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/AbstractPayloadTransformer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/TransactionSynchronizationProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/PublishSubscribeChannelParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/DefaultInboundChannelAdapterParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/MessageSource.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/mapping/HeaderMapper.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/IntegrationResourceHolder.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/GlobalWireTapParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageGroupQueue.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/gateway/RequestReplyMessageHandlerAdapter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/MessageProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aop/PublisherAnnotationBeanPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/mapping/InboundMessageMapper.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/AbstractMessageProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/CollectionFilter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/router/PayloadTypeRouter.java

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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/MethodInvokingMessageListProcessor.java
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jar/org/springframework/integration/transformer/support/ExpressionEvaluatingHeaderValueMessageProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/support/HeaderValueMessageProcessor.java
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jar/org/springframework/integration/endpoint/AbstractFetchLimitingMessageSource.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/PublishSubscribeChannelSpec.java

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* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/dsl/context/IntegrationFlowContext.java

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* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/IntegrationMessageHeaderAccessor.java

*

/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/json/JsonIndexAccessor.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/IdGenerators.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/StackTraceUtils.java

* /spring-integration-core-6-4-2-sources-

jar/org/springframework/integration/config/xml/SpelPropertyAccessorsParser.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/json/JsonPropertyAccessor.java

* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/events/IntegrationEvent.java

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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/AbstractKotlinRouterSpec.kt
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/KotlinRouterSpec.kt
*
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/KotlinFilterEndpointSpec.kt
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/KotlinRecipientListRouterSpec.kt
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/AbstractReplyProducingPostProcessingMessageHandler.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractOutboundGatewayParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/HeaderEnricherParserSupport.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/RouterFactoryBean.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ChannelInitializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ConverterParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/RouterAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Payloads.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/MessageHistoryParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/SelectorChainParser.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/NullChannel.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ServiceActivatorAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/FilterAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/MessageEndpoint.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/annotation/MethodAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/filter/MethodInvokingSelector.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/TransformerAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Role.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transaction/ExpressionEvaluatingTransactionSynchronizationProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/IntegrationNamespaceUtils.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aop/MessagePublishingInterceptor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/endpoint/AbstractEndpoint.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/AggregatorAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/AbstractDelegatingConsumerEndpointParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/OrderedAwareCopyOnWriteArraySet.java

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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/SplitterAnnotationPostProcessor.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/Transformer.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/MessageProducerSupport.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/TransactionSynchronizationFactoryParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/ConverterRegistrar.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/metadata/PropertiesPersistingMetadataStore.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/Publisher.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/handler/AbstractMessageHandler.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transformer/PayloadTypeConvertingTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/expression/ExpressionUtils.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/FixedSubscriberChannel.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/expression/ValueExpression.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/advice/IdempotentReceiverInterceptor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/DefaultMessageBuilderFactory.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/EnableMessageHistory.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/utils/IntegrationUtils.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/CustomConversionServiceFactoryBean.java

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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/util/PoolItemNotAvailableException.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/acks/AckUtils.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/NullAwarePayloadArgumentResolver.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/ObjectStringMapBuilder.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/metrics/TimerFacade.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/metrics/CounterFacade.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/metrics/SampleFacade.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/metrics/MeterFacade.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/endpoint/PollingOperations.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/UniqueExpiryCallback.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/endpoint/MessageSourcePollingTemplate.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/metrics/GaugeFacade.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/EndpointId.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/metrics/MetricsCaptor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/acks/AcknowledgmentCallbackFactory.java
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jar/org/springframework/integration/support/json/AbstractJacksonJsonMapper.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/mapping/support/JsonHeaders.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/json/JsonMapper.java
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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/IntegrationConfigurationBeanFactoryPostProcessor.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/BridgeFromAnnotationPostProcessor.java
*
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/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/BridgeToAnnotationPostProcessor.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/BridgeFrom.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/RetryAdviceParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ScatterGatherParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/GlobalChannelInterceptorInitializer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/GatewayHeader.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/annotation/InboundChannelAdapter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/GenericTransformer.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/annotation/BridgeTo.java
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* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/CorrelationHandlerSpec.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/MessageSourceSpec.java
*
/spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/SimpleMessageGroupFactory.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/core/GenericHandler.java
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 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/management/micrometer/MicrometerMetricsCaptor.java
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 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/aggregator/MethodInvokingMessageGroupProcessor.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/ApplicationEventMulticasterParser.java
 *
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/transformer/SyslogToMapTransformer.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dispatcher/RoundRobinLoadBalancingStrategy.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/xml/PayloadDeserializingTransformerParser.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/json/JsonObjectMapperProvider.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/MessageGroupStoreReaper.java


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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/IntegrationNamespaceHandler.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/metadata/MetadataStore.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/SequenceSizeReleaseStrategy.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/channel/AbstractSubscribableChannel.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/JsonToObjectTransformerParser.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/handler/MethodInvokingMessageHandler.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/xml/DefaultOutboundChannelAdapterParser.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/channel/QueueChannelOperations.java
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 jar/org/springframework/integration/handler/advice/HandleMessageAdviceAdapter.java
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 jar/org/springframework/integration/support/locks/RenewableLockRegistry.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/util/IntegrationReactiveUtils.java
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 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/context/IntegrationProperties.java
 *
 /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/config/EnableIntegrationManagement.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/handler/AbstractMessageProducingHandler.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/router/RecipientListRouterManagement.java
 * /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/support/MutableMessage.java
 * /spring-integration-core-6-4-2-sources-
 jar/org/springframework/integration/expression/ControlBusMethodFilter.java

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* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/scattergather/ScatterGatherHandler.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/leader/Candidate.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/config/IntegrationRegistrar.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/metadata/ConcurrentMetadataStore.java
*
/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/routingslip/ExpressionEvaluatingRoutingSlipRouteStrategy.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/aggregator/MessageGroupExpiredEvent.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/AbstractIntegrationMessageBuilder.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/store/BasicMessageGroupStore.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/annotation/IntegrationComponentScan.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/support/management/ControlBusMethodFilter.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/scheduling/PollSkipAdvice.java
* /spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/config/FixedSubscriberChannelBeanFactoryPostProcessor.java
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/spring-integration-core-6-4-2-sources-
jar/org/springframework/integration/transaction/TransactionSynchronizationFactoryBean.java

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jar/org/springframework/integration/mapping/ConvertingBytesMessageMapper.java
* /spring-integration-core-6-4-2-sources-jar/org/springframework/integration/dsl/ReactiveMessageHandlerSpec.java

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1.172 spring-cloud-stream-binder-rabbit 4.2.0

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jar/org/springframework/cloud/stream/binder/rabbit/deployer/RabbitDeployerEnvironmentPostProcessor.java
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* /spring-cloud-stream-binder-rabbit-4-2-0-sources-

jar/org/springframework/cloud/stream/binder/rabbit/config/DefaultMessageConverterHelper.java
* /spring-cloud-stream-binder-rabbit-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/config/MessageConverterHelperConfiguration.java
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* /spring-cloud-stream-binder-rabbit-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/BatchCapableRejectAndDontRequeueRecoverer.java
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* /spring-cloud-stream-binder-rabbit-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/config/RabbitBinderConfiguration.java
* /spring-cloud-stream-binder-rabbit-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/config/RabbitConfiguration.java

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jar/org/springframework/cloud/stream/binder/rabbit/StreamUtils.java
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1.173 reactive-streams 1.0.4

1.173.1 Available under license :

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1.174 libxcb 1.17.0-r0

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* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/NoopAddressResolver.java
*
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/NameResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/package-info.java
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* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
*
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/InetNameResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/HostsFileParser.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/CompositeNameResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/AddressResolver.java

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* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java

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* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/HostsFileEntries.java
* /netty-resolver-4-1-118-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java

1.176 mysql-connector-j 9.1.0

1.176.1 Available under license :

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1.177 resilience4j-annotations 2.2.0

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1.178 feign-core 13.5

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* /feign-core-13-5-1-jar/META-INF/maven/io.github.openfeign/feign-core/pom.xml
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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9

Build-Jdk-Spec: 21

Build-Tool-Jdk-Spec: 21

Bnd-LastModified: 1728410359700

Bundle-Description: Feign Core

Bundle-DocURL: <https://github.com/openfeign>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>
Bundle-ManifestVersion: 2
Bundle-Name: Feign Core
Bundle-SymbolicName: io.github.openfeign.feign-core
Bundle-Vendor: OpenFeign
Bundle-Version: 13.5.0
Export-Package: feign;uses:="feign.codec,feign.querymap,javax.net.ssl";version="13.5.0",feign.auth;uses:=feign;version="13.5.0",feign.codec;uses:=feign;version="13.5.0",feign.optionals;uses:="feign,feign.codec";version="13.5.0",feign.querymap;uses:="feign,feign.codec";version="13.5.0",feign.stream;uses:="feign,feign.codec";version="13.5.0",feign.template;uses:=feign;version="13.5.0",feign.utils;version="13.5.0"
Import-Package: feign,feign.codec,feign.querymap,feign.template,javax.net.ssl
Require-Capability:
 osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

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* /feign-core-13-5-1-jar/META-INF/MANIFEST.MF

1.179 curl 8.14.1-r2

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1.180 jackson-datatype-jdk8 2.18.2

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1.184 bcpg-jdk18on 1.80

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- */

Found in path(s):

- * /bcp-g-jdk18on-1-80-sources-jar/org/bouncycastle/apache/bzip2/CBZip2OutputStream.java
- * /bcp-g-jdk18on-1-80-sources-jar/org/bouncycastle/apache/bzip2/CBZip2InputStream.java
- *
- /bcp-g-jdk18on-1-80-sources-jar/org/bouncycastle/apache/bzip2/BZip2Constants.java
- * /bcp-g-jdk18on-1-80-sources-jar/org/bouncycastle/apache/bzip2/CRC.java

1.185 spring-cloud-function-core 4.2.0

1.185.1 Available under license :

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1.186 mapstruct-jdk8 1.6.3

1.186.1 Available under license :

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=====

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freemarker/ext/jsp/web-jsptaglibrary_1_1.dtd
freemarker/ext/jsp/web-jsptaglibrary_1_2.dtd
freemarker/ext/jsp/web-jsptaglibrary_2_0.xsd
freemarker/ext/jsp/web-jsptaglibrary_2_1.xsd
```

1.187 resilience4j-circularbuffer 2.2.0

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1.188 feign-slf4j 13.5

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Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin 5.1.9
Build-Jdk-Spec: 21
Build-Tool-Jdk-Spec: 21
Bnd-LastModified: 1728410543097
Bundle-Description: Feign SLF4J
Bundle-DocURL: <https://github.com/openfeign>
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>
Bundle-ManifestVersion: 2
Bundle-Name: Feign SLF4J
Bundle-SymbolicName: io.github.openfeign.feign-slf4j
Bundle-Vendor: OpenFeign
Bundle-Version: 13.5.0
Export-Package: feign.slf4j;uses:="feign,org.slf4j";version="13.5.0"
Import-Package: feign;version="[13.5,14)",org.slf4j;version="[2.0,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-6.3.1.202206071316

Found in path(s):

* /feign-slf4j-13-5-jar/META-INF/MANIFEST.MF

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* /feign-slf4j-13-5-jar/META-INF/maven/io.github.openfeign/feign-slf4j/pom.xml

1.189 spring-rabbit 3.2.3

1.189.1 Available under license :

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1.190 undertow-core 2.3.18.Final

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1.191 bridgeutils 1.7.1-r2

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1.192 libxdmcp 1.1.5-r1

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* /amqp-client-5-22-0-jar/META-INF/maven/com.rabbitmq/amqp-client/pom.xml

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/amqp-client-5-22-0-jar/com/rabbitmq/client/impl/AMQConnection.class: binary file matches

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* /bin/grep

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Manifest-Version: 1.0

Bundle-Description: The RabbitMQ Java client library allows Java applications to interface with RabbitMQ.

Implementation-Title: RabbitMQ Java Client

Automatic-Module-Name: com.rabbitmq.client

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>, <https://www.gnu.org/licenses/gpl-2.0.txt>, <https://www.mozilla.org/en-US/MPL/2.0/>

Bundle-SymbolicName: com.rabbitmq.client

Implementation-Version: 5.22.0

Bnd-LastModified: 1726491661281

Bundle-ManifestVersion: 2

Specification-Vendor: AMQP Working Group (www.amqp.org)

Specification-Title: AMQP

Bundle-DocURL: <https://www.rabbitmq.com>

Bundle-Vendor: Broadcom Inc. and its subsidiaries.

Import-Package: com.codahale.metrics;version="[4.2,5)";resolution:=optional,com.fasterxml.jackson.core;version="[2.17,3)";resolution:=optional,com.fasterxml.jackson.databind;version="[2.17,3)";resolution:=optional,com.fasterxml.jackson.databind.node;version="[2.17,3)";resolution:=optional,com.rabbitmq.client,com.rabbitmq.client.impl,com.rabbitmq.client.impl.nio,com.rabbitmq.client.impl.recovery,com.rabbitmq.client.observation,com.rabbitmq.tools.json,com.rabbitmq.utility,io.micrometer.common;version="[1.13,2)";resolution:=optional,io.micrometer.common.docs;version="[1.13,2)";resolution:=optional,io.micrometer.common.util;version="[1.13,2)";resolution:=optional,io.micrometer.core.instrument;version="[1.13,2)";resolution:=optional,io.micrometer.observation;version="[1.13,2)";resolution:=optional,io.micrometer.observation.docs;version="[1.13,2)";resolution:=optional,io.opentelemetry.api;resolution:=optional,io.opentelemetry.api.common;resolution:=optional,io.opentelemetry.api.metrics;resolution:=optional,javax.naming,javax.naming.directory,javax.net,javax.net.ssl,javax.security.auth.callback,javax.security.auth.x500,javax.security.sasl,org.slf4j;version="[1.7,2)"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Implementation-Vendor: Broadcom Inc. and its subsidiaries.

Export-Package: com.rabbitmq.client;uses:="com.rabbitmq.client.impl,com.rabbitmq.client.impl.nio,com.rabbitmq.client.impl.recovery,com.rabbitmq.client.observation,com.rabbitmq.utility,javax.net,javax.net.ssl";version="5.22.0",com.rabbitmq.client.impl;uses:="com.codahale.metrics,com.rabbitmq.client,com.rabbitmq.client.impl.recovery,com.rabbitmq.client.observation,com.rabbitmq.utility,io.micrometer.core.instrument,io.opentelemetry.api,io.opentelemetry.api.common,javax.net,javax.net.ssl";version="5.22.0",com.rabbitmq.client.impl.nio;uses:="com.rabbitmq.client,com.rabbitmq.client.impl,javax.net.ssl";version="5.22.0",com.rabbitmq.client.impl.recovery;uses:="com.rabbitmq.client,com.rabbitmq.client.impl,com.rabbitmq.client.observation";version="5.22.0",com.rabbitmq.client.observation;uses:="com.rabbitmq.client";version="5.22.0",com.rabbitmq.client.observation.micrometer;uses:="com.rabbitmq.client.observation,io.micrometer.common,io.micrometer.common.docs,io.micrometer.observation,io.micrometer.observation.docs,io.micrometer.observation.transport";version="5.22.0",com.rabbitmq.tools;version="5.22.0",com.rabbitmq.tools.json;version="5.22.0",com.rabbitmq.tools.jsonrpc;uses:="com.fasterxml.jackson.core,com.fasterxml.jackson.databind,com.rabbitmq.client";version="5.22.0",com.rabbitmq.utility;version="5.22.0"

Bundle-Name: RabbitMQ Java Client

Bundle-Version: 5.22.0

Build-Jdk-Spec: 1.8

Created-By: Apache Maven Bundle Plugin 5.1.9

Implementation-URL: <https://www.rabbitmq.com>

Specification-Version: 0.9.1

Found in path(s):

* /amqp-client-5-22-0-jar/META-INF/MANIFEST.MF

1.194 jackson-datatype-jsr310 2.18.2

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```
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigDataLoader.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigDataLocationResolver.java
* /spring-cloud-consul-config-4-2-0-sources-jar/org/springframework/cloud/consul/config/ConsulBootstrapper.java
*
/spring-cloud-consul-config-4-2-0-sources-jar/org/springframework/cloud/consul/config/ConsulConfigIndexes.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulPropertySources.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigDataResource.java
```

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```
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/PropertySourcesLocatedEvent.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulPropertySourceLocator.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulFilesPropertySource.java
*
/spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigAutoConfiguration.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigProperties.java
* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigBootstrapConfiguration.java
* /spring-cloud-consul-config-4-2-0-sources-jar/org/springframework/cloud/consul/config/ConfigWatch.java
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consul-config/pom.xml
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jar/org/springframework/cloud/consul/config/ConsulPropertySource.java
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* /spring-cloud-consul-config-4-2-0-sources-
jar/org/springframework/cloud/consul/config/ConsulConfigDataMissingEnvironmentPostProcessor.java
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jar/org/springframework/cloud/consul/config/ConsulRetryBootstrapper.java

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```

Found in path(s):

```

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicCodecDispatcher.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLContextOption.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/GroupsConverter.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicChannelAddress.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/NotNullByDefault.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicConnectionPathStats.java

```

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicConnectionPathStats.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicTimeoutClosedChannelException.java
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* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLPrivateKeyMethodDecryptTask.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/BoringSSLTask.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLCertificateVerifyCallbackTask.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLCertificateCallbackTask.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLPrivateKeyMethodSignTask.java
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```
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLTlsexServernameCallback.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicSslContext.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLNativeStaticallyReferencedJniMethods.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/HmacSignQuicConnectionIdGenerator.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicSslContextBuilder.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicClientSessionCache.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/FlushStrategy.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicSslEngine.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamLimitChangedEvent.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLSessionCallback.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLCertificateVerifyCallback.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLKeylogCallback.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicEvent.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicSslEngine.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLAsyncPrivateKeyMethod.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/BoringSSL.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicConnection.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QLogConfiguration.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/EpollQuicUtils.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheSendInfo.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicSslContext.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicSslEngineMap.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamPriority.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLCertificateCallback.java
```

```
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheRecvInfo.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/SegmentedDatagramPacketAllocator.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/DirectIoByteBufAllocator.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLHandshakeCompleteCallback.java
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```
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLKeylessManagerFactory.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLLoggingKeylog.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/BoringSSLKeylessPrivateKey.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/BoringSSLKeylog.java
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* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicStreamChannel.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/InsecureQuicTokenHandler.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheNativeStaticallyReferencedJniMethods.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheQuicChannel.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicChannelOption.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicTokenHandler.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamChannelBootstrap.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/Quiche.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheError.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicHeaderParser.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicPacketType.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/SockaddrIn.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamAddress.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/Quic.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamIdGenerator.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicClientCodecBuilder.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheQuicCodec.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/package-info.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicException.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicConnectionIdGenerator.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicClientCodec.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicStreamFrame.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamChannel.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicServerCodecBuilder.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicConnectionAddress.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/DefaultQuicStreamFrame.java


```

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicChannelConfig.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicStreamChannelConfig.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicChannelConfig.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/SecureRandomQuicConnectionIdGenerator.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheConfig.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicDatagramExtensionEvent.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicChannel.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheLogger.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicCongestionControlAlgorithm.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicExtensionEvent.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicStreamChannelConfig.java
*
/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicCodecBuilder.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicServerCodec.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicheQuicConnectionStats.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicStreamType.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicChannelBootstrap.java
* /netty-incubator-codec-classes-quic-0-0-70-final-sources-
jar/io/netty/incubator/codec/quic/QuicConnectionStats.java
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* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicTransportParameters.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicConnectionCloseEvent.java

*

/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicPathEvent.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicheQuicTransportParameters.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicResetTokenGenerator.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/SslEarlyDataReadyEvent.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/Hmac.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicSslSessionContext.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/BoringSSLSessionTicketCallback.java

* /netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/NoQuicTokenHandler.java

*

/netty-incubator-codec-classes-quic-0-0-70-final-sources-jar/io/netty/incubator/codec/quic/QuicClosedChannelException.java

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jar/io/netty/incubator/codec/quic/SslSessionTicketKey.java
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```
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 * An endpoint has reached the confidentiality or integrity limit for the AEAD algorithm used by the given
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 */
```

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```
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jar/io/netty/incubator/codec/quic/QuicTransportError.java
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```
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
*
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
*
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
```

```

* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
*
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /netty-codec-4-1-118-final-sources-
jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
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/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert
Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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```

* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java
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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliMode.java

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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZstdEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/CompressionOptions.java
*
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZstdConstants.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Brotli.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/GzipOptions.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Zstd.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/BrotliOptions.java

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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ValueConverter.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java

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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
 * /netty-codec-4-1-118-final-sources-
 jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
 *
 /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java

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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/EncoderUtil.java
 * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyOptions.java

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```

* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DateFormatter.java
*

```

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/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java

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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DefaultHeaders.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/EmptyHeaders.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/Headers.java

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```
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/bytes/package-info.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/package-info.java  
*  
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DecoderResult.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/package-info.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java  
*  
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java  
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
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- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
- *
- /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DecoderException.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageAggregator.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
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- /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/xml/package-info.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CodecException.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/package-info.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/StringEncoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
- *
- /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
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- /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java

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* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/Delimiters.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/EncoderException.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
*
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
*
/netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/string/package-info.java

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- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/compression/JdkZlibDecoder.java

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/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * Base64 notation.
 *
 * <p>
 * The encoding and decoding algorithm in this class has been derived from
 * http://iharder.sourceforge.net/current/java/base64/ Robert Harder's Public Domain
 * Base64 Encoder/Decoder</a>.
 */
```

Found in path(s):

- * /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/base64/Base64.java

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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
* <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
*
* <pre>
* <b>lengthFieldOffset</b>  = <b>0</b>
* <b>lengthFieldLength</b> = <b>2</b>
* lengthAdjustment      = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+      +-----+-----+
* | Length | Actual Content
* |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |
* +-----+-----+      +-----+-----+
*
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>

```

```

*
* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (12 bytes)
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |    | "HELLO, WORLD" |
* +-----+-----+ +-----+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual
* Content |
* | 0x000E | "HELLO, WORLD" |    | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into

```

```

* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>  = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>  = <b>3</b>
* lengthAdjustment  = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |    | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset  = 0
* lengthFieldLength  = 3
* <b>lengthAdjustment</b>  = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |    | 0x00000C | 0xCAFE | "HELLO,
WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset  = 1 (= the length of HDR1)
* lengthFieldLength  = 2

```



```

* <b>lengthAdjustment</b>  = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 +
  LEN)
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+  +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+  +-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*   strip the first header field and the length field, the length field
*   represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
  the length field already includes the whole header length.
* <pre>
* lengthFieldOffset  = 1
* lengthFieldLength  = 2
* <b>lengthAdjustment</b>  = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+  +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+  +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

* /netty-codec-4-1-118-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

```

1.198 cxf-rt-bindings-xml 4.1.2

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1.201 libxi 1.8.2-r0

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1.202 openssl 3.5.4-r0

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1.203 imap 2.0.3

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1.204 commons-codec 1.17.2

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1.205 resilience4j-timelimiter 2.2.0

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1.207 kryo 5.5.0

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* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/CuckooObjectMap.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/NoGenerics.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/Generics.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/ObjectIntMap.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/RecordSerializer.java
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* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/MapSerializer.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/BlowfishSerializer.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/ByteBufferInput.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/IntArray.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/ClassResolver.java

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/kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/SerializerFactory.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/DefaultSerializer.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/HashMapReferenceResolver.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/Pool.java

* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/DefaultSerializers.java

- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/EnumNameSerializer.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/DefaultInstantiatorStrategy.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/Serializer.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/Registration.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/unsafe/UnsafeByteBufferInput.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/unsafe/UnsafeUtil.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/Null.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/CompatibleFieldSerializer.java
- *
- /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/IdentityObjectIntMap.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/Output.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/ReflectField.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/KryoException.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/InputChunked.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/Kryo.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/ByteBufferOutputStream.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/KryoObjectInput.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/ByteBufferInputStream.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/ReferenceResolver.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/unsafe/UnsafeInput.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/MapReferenceResolver.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/JavaSerializer.java
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- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/util/ObjectMap.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/UnsafeField.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/KryoDataInput.java
- * /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/EnumMapSerializer.java
- *

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/kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/io/KryoBufferUnderflowException.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/unsafe/UnsafeByteBufferOutput.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/KryoSerializable.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/unsafe/UnsafeOutput.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/AsmField.java
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*
/kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/OptionalSerializers.java
* /kryo-5-5-0-sources-2-jar/com/esotericsoftware/kryo/serializers/BeanSerializer.java

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1.208 spring-integration-jmx 6.4.2

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1.209 coreutils-env 9.5-r2

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Found in path(s):

```
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignClientSpecification.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/CachingCapability.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/EmptyObjectProvider.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/RequestPartParameterProcessor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/OkHttpFeignLoadBalancerConfiguration.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/FeignClient.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/encoding/FeignAcceptGzipEncodingInterceptor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/DefaultFeignLoadBalancerConfiguration.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/LoadBalancerResponseStatusCodeException.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/CircuitBreakerNameResolver.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/FallbackFactory.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/OptionsFactoryBean.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/FeignEncoderProperties.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/RequestParamParameterProcessor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/SpringQueryMap.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/RefreshableUrl.java
```

```

* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/AbstractFormWriter.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/FeignClientBuilder.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignFormatterRegistrar.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/FeignClientFactory.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/SortJacksonModule.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/encoding/HttpEncoding.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/RefreshableUrlFactoryBean.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignBuilderCustomizer.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignCircuitBreakerDisabledConditions.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/Targeter.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/OnRetryNotEnabledCondition.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/PathVariableParameterProcessor.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/encoding/BaseRequestInterceptor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/XForwardedHeadersTransformer.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/QueryMapParameterProcessor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/clientconfig/FeignClientConfigurer.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/encoding/FeignContentGzipEncodingInterceptor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/LoadBalancerFeignRequestTransformer.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/EnableFeignClients.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/MatrixVariableParameterProcessor.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/CollectionFormat.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/DefaultTargeter.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/HttpClient5FeignLoadBalancerConfiguration.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/FeignCircuitBreaker.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/RequestHeaderParameterProcessor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignCachingInvocationHandlerFactory.java

```

* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignCircuitBreakerTargeter.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/AnnotatedParameterProcessor.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/LoadBalancerUtils.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/JsonFormWriter.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/annotation/CookieValueParameterProcessor.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/support/FeignUtils.java
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jar/org/springframework/cloud/openfeign/aot/FeignClientBeanFactoryInitializationAotProcessor.java
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* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/security/OAuth2AccessTokenInterceptor.java
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* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/clientconfig/http2client/Http2ClientCustomizer.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/SortJsonComponent.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/clientconfig/Http2ClientFeignConfiguration.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/PageableSpringEncoder.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/PageJacksonModule.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-

```

```

jar/org/springframework/cloud/openfeign/support/SpringMvcContract.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignClientProperties.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignClientsConfiguration.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignClientsRegistrar.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/ResponseEntityDecoder.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/loadbalancer/FeignBlockingLoadBalancerClient.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/encoding/FeignClientEncodingProperties.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/PageableSpringQueryMapEncoder.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/FeignClientFactoryBean.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/SpringDecoder.java
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* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/hateoas/FeignHalAutoConfiguration.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/FeignLoggerFactory.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/support/HttpMessageConverterCustomizer.java
*
/spring-cloud-openfeign-core-4-2-0-sources-1-
jar/org/springframework/cloud/openfeign/DefaultFeignLoggerFactory.java
* /spring-cloud-openfeign-core-4-2-0-sources-1-

```


jar/org/springframework/cloud/openfeign/hateoas/WebConvertersCustomizer.java

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 */
```

Found in path(s):

* /spring-cloud-openfeign-core-4-2-0-sources-1-

jar/org/springframework/cloud/openfeign/FeignClientMicrometerEnabledCondition.java

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 */
```

Found in path(s):

* /spring-cloud-openfeign-core-4-2-0-sources-1-

jar/org/springframework/cloud/openfeign/FeignErrorDecoderFactory.java

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```
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 *
```

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 */

Found in path(s):

* /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/loadbalancer/FeignLoadBalancerAutoConfiguration.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/encoding/FeignContentGzipEncodingAutoConfiguration.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/clientconfig/HttpClient5FeignConfiguration.java
 *
 /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/FeignCircuitBreakerInvocationHandler.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/loadbalancer/RetryableFeignBlockingLoadBalancerClient.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/support/FeignHttpClientProperties.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/RefreshableHardCodedTarget.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/support/SpringEncoder.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/FeignAutoConfiguration.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/PropertyBasedTarget.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/encoding/FeignAcceptGzipEncodingAutoConfiguration.java
 *
 /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/loadbalancer/Http2ClientFeignLoadBalancerConfiguration.java
 * /spring-cloud-openfeign-core-4-2-0-sources-1-
 jar/org/springframework/cloud/openfeign/encoding/OkHttpFeignClientBeanMissingCondition.java
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- */

Found in path(s):

- * /spring-cloud-openfeign-core-4-2-0-sources-1-jar/org/springframework/cloud/openfeign/aot/FeignChildContextInitializer.java

1.211 jedis 5.2.0

1.211.1 Available under license :

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Manifest-Version: 1.0

Bundle-Description: Jedis is a blazingly small and sane Redis java client.

Automatic-Module-Name: redis.clients.jedis

Bundle-License: <https://github.com/redis/jedis/blob/master/LICENSE>

Bundle-SymbolicName: redis.clients.jedis

Bnd-LastModified: 1727445876147

Bundle-ManifestVersion: 2

Import-Package: com.google.gson;version="[2.11,3)",io.github.resilience4j.circuitbreaker;resolution:=optional,io.github.resilience4j.circuitbreaker.event;resolution:=optional,io.github.resilience4j.core;resolution:=optional,io.github.resilience4j.decorators;resolution:=optional,io.github.resilience4j.retry;resolution:=optional,io.github.resilience4j.retry.event;resolution:=optional,javax.net,javax.net.ssl,org.apache.commons.pool2;version="[2.12,3)",org.apache.commons.pool2.impl;version="[2.12,3)",org.json;version="[20240303.0,20240304)",org.slf4j;version="[1.7,2)",redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.bloom,redis.clients.jedis.bloom.commands,redis.clients.jedis.commands,redis.clients.jedis.csc,redis.clients.jedis.exceptions,redis.clients.jedis.executors,redis.clients.jedis.gears,redis.clients.jedis.gears.resps,redis.clients.jedis.graph,redis.clients.jedis.graph.entities,redis.clients.jedis.json,redis.clients.jedis.json.commands,redis.clients.jedis.mcf,redis.clients.jedis.params,redis.clients.jedis.providers,redis.clients.jedis.resps,redis.clients.jedis.search,redis.clients.jedis.search.aggr,redis.clients.jedis.search.schemafields,redis.clients.jedis.timeseries,redis.clients.jedis.util

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Export-Package: redis.clients.jedis;uses:="io.github.resilience4j.circuitbreaker,javax.net.ssl,org.apache.commons.pool2,org.apache.commons.pool2.impl,org.json,redis.clients.jedis.args,redis.clients.jedis.bloom,redis.clients.jedis.commands,redis.clients.jedis.csc,redis.clients.jedis.exceptions,redis.clients.jedis.executors,redis.clients.jedis.gears,redis.clients.jedis.gears.resps,redis.clients.jedis.graph,redis.clients.jedis.json,redis.clients.jedis.params,redis.clients.jedis.providers,redis.clients.jedis.resps,redis.clients.jedis.search,redis.clients.jedis.search.aggr,redis.clients.jedis.search.schemafields,redis.clients.jedis.timeseries,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.annots;version="5.2.0",redis.clients.jedis.args;version="5.2.0",redis.clients.jedis.bloom;uses:="redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.commands,redis.clients.jedis.params";version="5.2.0",redis.clients.jedis.bloom.commands;uses:="redis.clients.jedis,redis.clients.jedis.bloom";version="5.2.0",redis.clients.jedis.commands;uses:="redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.bloom.commands,redis.clients.jedis.exceptions,redis.clients.jedis.gears,redis.clients.jedis.graph,redis.clients.jedis.json.commands,redis.clients.jedis.params,redis.clients.jedis.resps,redis.clients.jedis.search,redis.clients.jedis.timeseries,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.csc;uses:="redis.clients.jedis,redis.clients.jedis.commands,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.csc.util;uses:="redis.clients.jedis.commands,redis.clients.jedis.csc";version="5.2.0",redis.clients.jedis.exceptions;uses:="redis.clients.jedis";version="5.2.0",redis.clients.jedis.executors;uses:="redis.clients.jedis,redis.clients.jedis.providers";version="5.2.0",redis.clients.jedis.gears;uses:="redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.commands,redis.clients.jedis.gears.resps,redis.clients.jedis.params";version="5.2.0",redis.clients.jedis.gears.resps;uses:="redis.clients.jedis";version="5.2.0",redis.clients.jedis.graph;uses:="redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.commands,redis.clients.jedis.params,redis.clients.jedis.providers";version="5.2.0",redis.clients.jedis.graph.entities;version="5.2.0",redis.clients.jedis.json;uses:="org.json,redis.clients.jedis,redis.clients.jedis.commands,redis.clients.jedis.params";version="5.2.0",redis.clients.jedis.json.commands;uses:="org.json,redis.clients.jedis,redis.clients.jedis.json";version="5.2.0",redis.clients.jedis.mcf;uses:="io.github.resilience4j.circuitbreaker,redis.clients.jedis,redis.clients.jedis.executors,redis.clients.jedis.graph,redis.clients.jedis.providers,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.params;uses:="redis.clients.jedis,redis.clients.jedis.args";version="5.2.0",redis.clients.jedis.provider;uses:="io.github.resilience4j.circuitbreaker,io.github.resilience4j.retry,org.apache.commons.pool2,org.apache.commons.pool2.impl,redis.clients.jedis,redis.clients.jedis.csc,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.resps;uses:="redis.clients.jedis";versi

on="5.2.0",redis.clients.jedis.search;uses:="redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.commands,redis.clients.jedis.params,redis.clients.jedis.providers,redis.clients.jedis.resps,redis.clients.jedis.search.aggr,redis.clients.jedis.search.schemafields,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.search.aggr;uses:="redis.clients.jedis,redis.clients.jedis.params,redis.clients.jedis.providers,redis.clients.jedis.search,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.search.querybuilder;uses:="redis.clients.jedis,redis.clients.jedis.args";version="5.2.0",redis.clients.jedis.search.schemafields;uses:="redis.clients.jedis,redis.clients.jedis.params,redis.clients.jedis.search";version="5.2.0",redis.clients.jedis.timeseries;uses:="redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.commands,redis.clients.jedis.params,redis.clients.jedis.util";version="5.2.0",redis.clients.jedis.util;uses:="org.apache.commons.pool2,org.apache.commons.pool2.impl,redis.clients.jedis,redis.clients.jedis.args,redis.clients.jedis.exceptions,redis.clients.jedis.providers";version="5.2.0"

Bundle-Name: Jedis

Bundle-Version: 5.2.0

Build-Jdk-Spec: 1.8

Created-By: Apache Maven Bundle Plugin 5.1.9

Found in path(s):

* /jedis-5-2-0-jar/META-INF/MANIFEST.MF

1.212 objenesis 3.3

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1.213 commons-compiler 3.1.12

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin

Built-By: unkrig.arno

Build-Jdk: 11.0.11

Automatic-Module-Name: org.codehaus.commons.compiler

Bnd-LastModified: 1707216437998

Bundle-Description: Janino is a super-small, super-fast Java compiler.

Bundle-License: <https://spdx.org/licenses/BSD-3-Clause.html>

Bundle-ManifestVersion: 2

Bundle-Name: commons-compiler

Bundle-SymbolicName: org.codehaus.janino.commons-compiler;singleton=true

Bundle-Version: 3.1.12

Export-Package: org.codehaus.commons.compiler;uses="org.codehaus.common
s.compiler.util.resource";version="3.1.12",org.codehaus.commons.compile
r.io;uses="org.codehaus.commons.compiler.util";version="3.1.12",org.co
dehaus.commons.compiler.java8.java.util;version="3.1.12",org.codehaus.c
ommons.compiler.java8.java.util.function;version="3.1.12",org.codehaus.
commons.compiler.java8.java.util.stream;uses="org.codehaus.commons.com
piler.java8.java.util.function";version="3.1.12",org.codehaus.commons.c
ompiler.java9.java.lang.module;uses="org.codehaus.commons.compiler.jav
a8.java.util,org.codehaus.commons.compiler.java8.java.util.stream";vers
ion="3.1.12",org.codehaus.commons.compiler.lang;uses="org.codehaus.com
mons.compiler.util.resource";version="3.1.12",org.codehaus.commons.comp
iler.samples;version="3.1.12",org.codehaus.commons.compiler.util;uses=
"org.codehaus.commons.compiler.util.resource";version="3.1.12",org.code
haus.commons.compiler.util.iterator;uses="org.codehaus.commons.compile
r.util";version="3.1.12",org.codehaus.commons.compiler.util.reflect;ver
sion="3.1.12",org.codehaus.commons.compiler.util.resource;version="3.1.
12"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"

Tool: Bnd-2.4.1.201501161923

Name: org/codehaus/commons/compiler/java8/java/util/function/Consumer.cl
ass

SHA-256-Digest: yyveVEyFFznSQYhk/ThAMZf9h4hrGi3QTjLXLTPgwI=

Name: org/codehaus/commons/compiler/ICookable.class

SHA-256-Digest:

32vG7aPguRuIQEuUnKrVgxcWYJj6wxa0yRg8O+MeMrA=

Name: org/codehaus/commons/compiler/util/iterator/Iterables\$State.class
SHA-256-Digest: cq2iXwXXF4h0cGl42a/DtDKq1OFc7Hl4lSzLWq+IH90=

Name: org/codehaus/commons/compiler/AbstractCompiler\$1\$1.class
SHA-256-Digest: xrHfj5bARhpPoD0q2QUrpFqTs5rvD72CK2VotZPK3IQ=

Name: org/codehaus/commons/compiler/util/iterator/DirectoryIterator\$DirectoryNotListableException.class
SHA-256-Digest: o3MW3m1RDe9svXBxY5wsClrkkL/QI18PQtthruwj+00=

Name: org/codehaus/commons/compiler/util/iterator/Iterables\$1.class
SHA-256-Digest: FoFqUCtMKxZBu1FrzGmVqCYy1vsTtheLxBhP+0jzOZQ=

Name: org/codehaus/commons/compiler/Sandbox.class
SHA-256-Digest: O8Z7jDXrz6nLSvC61zxqACtbBTbIOvGg1AKYWAWF5ZU=

Name: org/codehaus/commons/compiler/AbstractCompiler.class
SHA-256-Digest: qCkzX2/lVadixb6Oi4XBvNRkLoE6aHZ6qICnsOXAow=

Name: org/codehaus/commons/compiler/CompileException.class
SHA-256-Digest: dpA+Sj/QxfZpRmStLDLCIsHq1Je5rB4cSnutV2mQw+8=

Name: org/codehaus/commons/compiler/lang/ClassLoaders\$SubresourceGetter.class
SHA-256-Digest: iNXvfqtD3mfF2+59DU3uaSg7W2xuTDzOAmJHCAOkPJ4=

Name: org/codehaus/commons/compiler/WarningHandler.class
SHA-256-Digest: rDVR14xpQAHay8WzNTB321+YqS9E629zUyrUdjGQ5co=

Name: org/codehaus/commons/compiler/util/resource/JarDirectoriesResourceFinder\$1\$2.class
SHA-256-Digest: Badfbk+GLhfOujROgVRVwitdcKonh8BIOXqqTo8AzHQ=

Name: org/codehaus/commons/compiler/CompilerFactoryFactory.class
SHA-256-Digest: mN6StvkZfr9RIf/rekkSmtsqr1hYzVK8eYPS98oaISc=

Name: org/codehaus/commons/compiler/util/iterator/Iterables\$4.class
SHA-256-Digest: xXJlzCKs5uZYOQDFoTtc5z9y77C5gAi2pOrACvSyo+E=

Name: org/codehaus/commons/compiler/util/resource/JarDirectoriesResourceFinder\$1.class
SHA-256-Digest: NpyMUNR7AXFlc5jKeizzEck4ri+x6XFiu6/LO+EYPws=

Name: org/codehaus/commons/compiler/util/Disassembler.class
SHA-256-Digest: cF8FLXOrafswtwmOdFOsp7BuZf83Cg16oCHuXVNU/7A=

Name: org/codehaus/commons/compiler/Cookable.class
SHA-256-Digest: eSnwt08DTCm3367vcjdhYdzGZNB+UcjwieEisRlmm/w=

Name: org/codehaus/commons/compiler/util/reflect/Methods.class
SHA-256-Digest: tpVRkNN9D+lPiEvSt9Om32dvWcUDRJdEpJbDI67hjUs=

Name: org/codehaus/commons/compiler/util/iterator/UniterableElementException.class
SHA-256-Digest: q2MReObp0oubyls2AJSVd7qcUl/wRzmAGo7iYrFRS1c=

Name: org/codehaus/commons/compiler/util/iterator/EnumerationIterator.class
SHA-256-Digest: B/7Q3VzTw95Ukwfule67dE37oimkdShdOTvdYKnr7A0=

Name: org/codehaus/commons/compiler/util/resource/ResourceCreator.class
SHA-256-Digest: O7ri6asEJZu8kR6JldDpfSUDLjsKTpAg8nnHX0PTbw8=

Name: org/codehaus/commons/compiler/util/StringUtil.class
SHA-256-Digest: 3NBN0IHWjSBoV3WhbKGDOtnKjtrLOpL9nskNv0cSub0=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinders\$3.class
SHA-256-Digest: jz6uADyIyhKkwEwr5AoAG7qXZWAcifGJ5pXkbz3RYtw=

Name: org/codehaus/commons/compiler/IScriptEvaluator.class
SHA-256-Digest: zCgCKnDyQZsIbd7quCwMTy7ZA7bZ1bWuNlOKCoZ9RsY=

Name: org/codehaus/commons/compiler/ICompiler\$1.class
SHA-256-Digest: Q+4u8zHT6hT0OaVNVyqI6T9QLhDdOL+MkRHAuAFIIXM=

Name: org/codehaus/commons/nullanalysis/NotNullByDefault.class
SHA-256-Digest: 3RP06upgNA3K+Po7P+UINCgiMVw2fXG6+XrH74X4/aw=

Name: org/codehaus/commons/compiler/java8/java/util/function/package-info.class
SHA-256-Digest: 24j2YGIrnZujbyNadDNASLhAUslfS/NAyIxXr62P4vY=

Name: org/codehaus/commons/compiler/util/Predicate.class
SHA-256-Digest: QBhMIMOVikz9/zTz/6E6/xvjKCcmv83UNAwfAIo19t4=

Name: org/codehaus/commons/compiler/util/resource/FileResource.class
SHA-256-Digest: 5uHSDKinpa0IzSsC2bltAxwPELAJVDmTAmIxhO4T40Q=

Name: org/codehaus/commons/compiler/util/iterator/DirectoryIterator.class
SHA-256-Digest: W8HpUGbUvINzwtJQk4vI+2MCCHjTPNoCkG2gQJwgZqI=

Name: org/codehaus/commons/compiler/util/resource/MapResourceCreator\$1.c

lass

SHA-256-Digest: 54LcZZdQIrSL5UIuDYUaOrDL4ydN0Qadz4seNH9Y9QhI=

Name: org/codehaus/commons/compiler/util/iterator/DirectoryIterator\$1.cl

ass

SHA-256-Digest: 3ZhbusbqiYyoZeOQ4JZB+Ue4xLI2Yp/Venh6EGcE+Ic=

Name:

org/codehaus/commons/compiler/io/package-info.class

SHA-256-Digest: XUgeTVa11q2fVV4dC2yXrYqINeZowXlfsAwhLXXoZKI=

Name: org/codehaus/commons/compiler/lang/ClassLoaders.class

SHA-256-Digest: FBvOKR7DdXl3Qca3hKrJR7G6k422znxBzf3YclWrGhQ=

Name: org/codehaus/commons/compiler/util/SystemProperties.class

SHA-256-Digest: 4uVNpErKx5gvdI69PT3FFAPnQQ9Hy2pVbaDVVVVTgn6U=

Name: org/codehaus/commons/compiler/util/Numbers.class

SHA-256-Digest: m01o4KgLZwb/MV6ecvxGelESDsUQAuVoeORI4LdJqEE=

Name: org/codehaus/commons/compiler/util/resource/JarDirectoriesResource
Finder.class

SHA-256-Digest: 1XhT7UrgRtzRMd2QdTtlMMoPIDuuLdogFpHimBy7+g8=

Name: org/codehaus/commons/compiler/samples/ShippingCost.class

SHA-256-Digest: LiNzMk/rK0NemVRXE5Dg65CTnjgQsaYoAuP0f94fkP4=

Name: org/codehaus/commons/compiler/util/reflect/package-info.class

SHA-256-Digest: GFc5qKG3+8d9bvQjjDZPmRIGq9Dpabk4w+wNdT7FZRY=

Name: org/codehaus/commons/compiler/util/iterator/TransformingIterator.c
lass

SHA-256-Digest:

biTZgQF4dy3f3X890Wa4pcFLWW2etnV6ELE8Jkr3Q4I=

Name: org/codehaus/commons/compiler/util/iterator/MultiIterator.class

SHA-256-Digest: cRgFefRnXIsNURvvPqYgooOdCZxBut11CeuD1VyFUr0=

Name: org/codehaus/commons/compiler/util/resource/LazyMultiResourceFinde
r.class

SHA-256-Digest: /UtG2BD5RORAmzpTp8zGQJSlvuV0+ZBGuH6gsNFDruk=

Name: org/codehaus/commons/compiler/util/resource/MapResourceFinder\$1.cl
ass

SHA-256-Digest: 46x2Qcs9xOpDKnNLWXtw6LnpiQV2ErmEPvowZeAodD4=

Name: org/codehaus/commons/compiler/lang/ClassLoaders\$2.class

SHA-256-Digest: bwtOZyX4sv2yIUNym2xSWMOZ9uK1ULIuZjIiw+MtRe8=

Name: org/codehaus/commons/compiler/io/Readers\$4.class

SHA-256-Digest: jOByYwIBQkvS4yvNmyVP5iSrahk97cK2VgJrI3g5nIg=

Name: org/codehaus/commons/compiler/util/resource/package-info.class

SHA-256-Digest: So/SohYI3ApHYTN6LKQFYx8XEGYTd5n8Xe+DzYAXXig=

Name: org/codehaus/commons/compiler/util/resource/DirectoryResourceFinder.class

SHA-256-Digest: mmPEvjAFzmQGRMv3Wf8/H+xtICeFh7eK2UpjiHg=

Name: org/codehaus/commons/compiler/InternalCompilerException.class

SHA-256-Digest:

NbSZ50IPM8VliOnV3CC5RP86FGl+jWQDpqa2dh6Nfl4=

Name: org/codehaus/commons/compiler/util/reflect/Proxies\$1.class

SHA-256-Digest: AKUpWgYX5160damRTi6fTou1xNuYZFAqYcOJUwmCTnE=

Name: org/codehaus/commons/compiler/util/resource/MultiResourceFinder.class

SHA-256-Digest: lBLO3PISw9rFLn9W36rP//LTdIosq3O5MsiaMSyCXdy=

Name: org/codehaus/commons/compiler/lang/ClassLoaders\$3\$1.class

SHA-256-Digest: A2IL/oDadQcS2N/cRCsd/vixYl/UhoP+eZgntzhBXIg=

Name: org/codehaus/commons/compiler/AbstractJavaSourceClassLoader\$ProtectionDomainFactory.class

SHA-256-Digest: zR+g4+6UU61cOD1QKpiC0bLQ6UzsAmUVs8uqG2DHWjI=

Name: org/codehaus/commons/compiler/samples/package-info.class

SHA-256-Digest: TpFegjd0zcgym9fG7+wf1Sl3SBAgH0OTntXkLPdX+A=

Name: org/codehaus/commons/compiler/util/reflect/NoException.class

SHA-256-Digest: EEOUtQZVgufQcUDUzA+TRA02MDLK28ABKHn1AjBNJO4=

Name: org/codehaus/commons/compiler/util/Benchmark\$Reporter.class

SHA-256-Digest: lj/jmnOX43C786kuFqlPeMLnMNv3wk93N+R7LEUQeZU=

Name:

org/codehaus/commons/compiler/util/resource/LocatableResources

SHA-256-Digest: NkU4xSsGceZP+NMgtTYIJV4XyHVgtpof9eo+gRuBjxY=

Name: org/codehaus/commons/compiler/util/iterator/Iterables\$2.class

SHA-256-Digest: AF1qBZtVir3z1FQ2kRI/wseoOvuAH5eYilidy1VLoGw=

Name: org/codehaus/commons/compiler/io/Readers\$3.class

SHA-256-Digest: dxVnSlbHmFb6/eOZNAEDMaDVLWXxDHCUfPdT8CtAUl8=

Name: org/codehaus/commons/compiler/lang/ClassLoaders\$1.class
SHA-256-Digest: BC8qYSvHd9vY/PPHSYKEYJCHzEyfb7ldZBgsuTcZG7Q=

Name: org/codehaus/commons/compiler/java8/java/util/function/Consumers\$1.class
SHA-256-Digest: +BsdwiNshdXIoXo86OS5eKFwfM9sUcsRMCE/nLaXPh4=

Name: org/codehaus/commons/compiler/util/resource/FileResourceCreator.class
SHA-256-Digest: hVapZemhwfEXUn4ac64TVdiUilVMUPG2g1y1uZDcSE8=

Name: org/codehaus/commons/compiler/util/resource/MapResourceFinder\$2.class
SHA-256-Digest: wwAA9e8ii8exp4zwKqSeMnwBLfwwhigzmxIYiB0oSY8=

Name: META-INF/maven/org.codehaus.janino/commons-compiler/pom.properties
SHA-256-Digest:
OojNHPTp4Qx/1AQMuOPV3K+Mze0dSOZQoit/JwR4r4c=

Name: org/codehaus/commons/compiler/IClassBodyEvaluator.class
SHA-256-Digest: me7O9Y5d9BKRdRFJROmU/PrWUEGbBL0Prg6xkdTO6nE=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinder\$1.class
SHA-256-Digest: htFfyuC21xrOJOLYFh0mrHkCQfOjzCvW4j8Y/02SRlo=

Name: org/codehaus/commons/compiler/util/iterator/TraversingIterator.class
SHA-256-Digest: cG5Vi2pMS6XgSSadOtaFKsCQ70x8edG4Kjhxm9CBt6c=

Name: org/codehaus/commons/compiler/samples/ClassBodyDemo.class
SHA-256-Digest: UZct4dqu48MLpRltoaOiDaiOYSBGsyjbcfliuS5o5i0=

Name: org/codehaus/commons/compiler/util/iterator/IteratorCollection\$1.class
SHA-256-Digest: PUsSBL1RPUQjFDOOnQqLEsBFwjUEqj36aqx4YrUqx8Gc=

Name: org/codehaus/commons/compiler/util/iterator/MultiDimensionalIterator.class
SHA-256-Digest: ByAMXrWz1pywojfID83/0txlEinv2iQRFZg8kp+8R24=

Name: org/codehaus/commons/compiler/util/LineAndColumnTracker.class
SHA-256-Digest:
5BW1/fnkmqU0pAYBgdl53PGXZDbKWyPRNncXNQ2vXs=

Name: org/codehaus/commons/compiler/util/iterator/Iterables\$3.class
SHA-256-Digest: ckonoGZR09dGxsH5RgSaJC5aOl/iGKR6FsKtEjGxE48=

Name: org/codehaus/commons/compiler/IExpressionEvaluator.class
SHA-256-Digest: dUJlKL6ZfIMchAZR64zPkFEWBIV8cYQRszB28tfUFOE=

Name: org/codehaus/commons/compiler/Location.class
SHA-256-Digest: ncdXUj4FBCmKQ7o+0wt0sbctEjUOR4FCCvidxLx/dYs=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinders\$1.class
SHA-256-Digest: UjjEm4uDeVfU+KnTtoNWHjmsJ60TwhK0uWJ6uIREEuU=

Name: org/codehaus/commons/compiler/IMultiCookable.class
SHA-256-Digest: Er2fAVQ9gBdUgHPw1W+UPENWF5As8EIytfYawXNq2Uo=

Name: org/codehaus/commons/compiler/java8/java/util/package-info.class
SHA-256-Digest: fFVZJl03fcO1loQDdzsE83DpCpzuurzbgvcVemHTJHk=

Name: org/codehaus/commons/compiler/util/Producer.class
SHA-256-Digest: jvb44Ya4BrDZxty4fqSWe3noksi4iAFxvHtsFmjofWM=

Name: org/codehaus/commons/compiler/ICompiler\$2.class
SHA-256-Digest: si5f3R8haA+j4Wi2uorNgKyJukPNZmiJRv81hxgm1CA=

Name:
org/codehaus/commons/compiler/package-info.class
SHA-256-Digest: 887eVzf0DbArS+JAVXdw7M7oaKNUVo50RY8WjZh8hN0=

Name: org/codehaus/commons/compiler/util/resource/PathResourceFinder\$1.class
SHA-256-Digest: dxPSHpVFS/57wzUbQ81tepv1JfnRiuvPpxbYDNd6y7A=

Name: org/codehaus/commons/compiler/util/resource/ListableResourceFinder.class
SHA-256-Digest: vTesI9l+7efRN/LKdCH7DUYacEe5WE2UIYm38EKNv3s=

Name: org/codehaus/commons/compiler/samples/CompilerDemo.class
SHA-256-Digest: dqLwQNd2dK9yH9vaRHiEvucwLzhCp5NI2HiaamtQWR8=

Name: org/codehaus/commons/compiler/io/InputStreams.class
SHA-256-Digest: VkXB74W7MBSjy5Kyj4CspOfw8UuxLeNTjJ86PpOZH2w=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinders\$2.class
SHA-256-Digest: b+T7rYzgGyJEhXhV7g1jM9p4HzGjZzMWbSlf6Mz2+RM=

Name: org/codehaus/commons/compiler/Sandbox\$1.class
SHA-256-Digest: AwOwlvN5hagkaIO1JY5+j9JkLeOMJN4CL+xG/AsPRnE=

Name: org/codehaus/commons/compiler/util/resource/FileResourceFinder.class

ss

SHA-256-Digest: lUNwSdgY461ISzd4+EqaYP+fzZg+d8mJGRqYHJW/iLA=

Name: org/codehaus/commons/compiler/io/Readers\$2.class

SHA-256-Digest: L7/kQpRVycMyAG4FFNh7d2iMt5Jzpq5nTApQsbBucEk=

Name: org/codehaus/commons/compiler/AbstractCompilerFactory.class

SHA-256-Digest: xMuC5AGMazavoPychGQ50aO8zUoomAic5/znPaUm5T8=

Name: org/codehaus/commons/compiler/util/resource/Resource.class

SHA-256-Digest: 8wWK9rWF796+mRllHfZunNGWhqaBpnJcb85Goi8l17U=

Name: org/codehaus/commons/compiler/util/reflect/ApiLog.class

SHA-256-Digest: U6pUX63nFLE/Cd1cnK7ykjFJ4pkt/4JyQTvBUA8KeEA=

Name: org/codehaus/commons/compiler/util/Benchmark.class

SHA-256-Digest: 0j71zOYfv+3Q/TL5VnCRI/mrjbasPuRtmbZsc/oN6hY=

Name: org/codehaus/commons/compiler/util/reflect/Classes.class

SHA-256-Digest: h1gDDH5c9vl8OxtW6l4VZKVn/zzPqT9YqLBkUb9YM8A=

Name: org/codehaus/commons/compiler/util/iterator/package-info.class

SHA-256-Digest: nUfKAGwAmGnRd++1P7sgHLBTZASpPtJqy2XSfLkqO6A=

Name: org/codehaus/commons/compiler/util/reflect/ByteArrayClassLoader.cl

ass

SHA-256-Digest: Qz/H3/NnWZiz9kv+vET1yu2zkigZ092Oi+qgqX0yoGM=

Name: org/codehaus/commons/compiler/lang/ClassLoaders\$3.class

SHA-256-Digest: 5A6ZKvkzxjttJjC87ueediHXvSjw5J9brND7LQWwFco=

Name: org/codehaus/commons/compiler/util/resource/MapResourceCreator.cl

ss

SHA-256-Digest: Y9yO0Cz1B22XLnBLsZVsaBaM1Wt8tPTFspzSCcmT5aA=

Name: org/codehaus/commons/compiler/util/iterator/Iterables.class

SHA-256-Digest: YIBZCwwaqPcj6D4z70K0hZVWQGLJzZsjUrNpS2XxJ7E=

Name: org/codehaus/commons/compiler/util/resource/MapResourceFinder.clas

s

SHA-256-Digest: c7GR2rnbUk+f4SG+oHCp9FdAKxoqVKesN38XyFQWEbk=

Name: org/codehaus/commons/compiler/java8/java/util/Optional.class

SHA-256-Digest: W32nYIWVBYiEBja2XIsN1Iq2BnrzebjKuHTPBA7mERU=

Name: org/codehaus/commons/compiler/MultiCookable.class

SHA-256-Digest: SAKw5alTn/OI4x9ycA33I+rtJd8386T9lfORG/Puns4=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinders.class
SHA-256-Digest: sp/qKLc7WHRIItLK+GeCZK0gqXYjt15SltvtPDL0KXI=

Name:
org/codehaus/commons/compiler/util/iterator/FilterListIterator.class
SHA-256-Digest: iuxi0gtsbwHdhGcvvHXB2ZwI1i5NGS9WUv0FdVXv6T4=

Name: org/codehaus/commons/compiler/util/iterator/Iterables\$5.class
SHA-256-Digest: /+thSN7/idRqf8CNwLz08cHtmAaqKpFWqCZEUtMRr0c=

Name: org/codehaus/commons/compiler/ICompiler.class
SHA-256-Digest: KmDjbsJE/ke99Nc0iUza4niHKfHJlVNchii+Q8kIP/Q=

Name: org/codehaus/commons/compiler/samples/DemoBase.class
SHA-256-Digest: ZZpcepcTatG3QHJWNzeWF1ym7VWvBLqV4n3YFemKMIg=

Name: org/codehaus/commons/compiler/ICompilerFactory.class
SHA-256-Digest: Bzf7xD7rSDoGcPMoLY/8mMcCqWHGzTopgBBmYq1APus=

Name: org/codehaus/commons/compiler/lang/package-info.class
SHA-256-Digest: EqKZiOPNP2EG/RQBp6yl+2j/MfigO0HE2+XeOSjb+cQ=

Name: org/codehaus/commons/compiler/util/iterator/IteratorCollection.class
SHA-256-Digest: Dmm/9J3q70H+ohm1oZW8T/lpxWXYka8IZl/eVTFdjpE=

Name: org/codehaus/commons/compiler/util/resource/ZipFileResourceFinder.class
SHA-256-Digest: sOphxLr5U2orDT8VC8hnSJ5Ap4Fs157GThHNz4oClgo=

Name:
org/codehaus/commons/compiler/util/iterator/ProducerIterator.class
SHA-256-Digest: C9LbdyBRHMiPnM0dSppWv5Wr7oa6tZ7Warw8w+c/qfc=

Name: org/codehaus/commons/compiler/AbstractJavaSourceClassLoader.class
SHA-256-Digest: AL929CU0G8T0y6Perz9FMMIjBa/RooBb8Se7HC+hG4Y=

Name: org/codehaus/commons/compiler/util/reflect/ApiLog\$1.class
SHA-256-Digest: ZNuC3cywNn0vlqZQxVQzjgdrXiNatizEcZvspeJ0htM=

Name: org/codehaus/commons/compiler/util/Benchmark\$1.class
SHA-256-Digest: 3EOtYw0o0CkK0PJSq5NISlxRvhY5FriwOqBZZELbstE=

Name: org/codehaus/commons/compiler/ErrorHandler.class
SHA-256-Digest: bgYLFtUx61nbqZvjuGYdIXs1P/0sftEcyreBXqGfej0=

Name: org/codehaus/commons/compiler/java8/java/util/stream/Stream.class

SHA-256-Digest: SEW5e7l++Y1k7OeDaN5S4UYt1CpzoP/8R3XKc/dB0Io=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinders\$4.class

SHA-256-Digest: YjS7jWfLzjUBhPloJjzYluTw7l06QzgyfRT78rYAvQw=

Name: org/codehaus/commons/compiler/samples/ScriptDemo.class

SHA-256-Digest:

g2nL2OzC6Ey05cJNjJMVyD+6EvM8yAjhJXZMNgyi/2I=

Name: org/codehaus/commons/compiler/util/resource/ZipFileResourceFinder\$1.class

SHA-256-Digest: HdsrK6I+aKU95gI2ibJTkixBpyrc/85ZZWg9BuqtPF4=

Name: org/codehaus/commons/compiler/util/resource/StringResource.class

SHA-256-Digest: R7gaVCuO0Gr4cPPlasaX89oEwdI6rWnNVvvOaFaoEBU=

Name: org/codehaus/commons/compiler/util/iterator/DirectoryIterator\$1\$State.class

SHA-256-Digest: 53rHiBMyDO9kuaiMI/idefkdv+p7xDZ95TEuQNZB4t0=

Name: org/codehaus/commons/compiler/util/StringPattern.class

SHA-256-Digest: YUvjzsiZqyu0bnf1sxP5TSOyIEpVSwLydfm64OAlxtI=

Name: org/codehaus/commons/nullableanalysis/NotNull.class

SHA-256-Digest: k9YrBG/+DemF1QfxI+dDJ5P0MU7CkEDFntxYMbyV3AY=

Name: org/codehaus/commons/compiler/io/Readers.class

SHA-256-Digest: go0B+M5FQNIPLHiOx+TFzp92k0xq11P2sRKagE82Swo=

Name: org/codehaus/commons/compiler/util/resource/PathResourceFinder.class

SHA-256-Digest: k/VEMCAeSL/tmIirtbZFjR5A3doIpZqQ6qn5qxd+6KA=

Name: org/codehaus/commons/compiler/util/resource/ResourceFinder.class

SHA-256-Digest:

xZUoZD8WaeS6f5C2bSWD9AYOp2j8+TEk7CHbDnWa1jU=

Name: org/codehaus/commons/compiler/io/Readers\$1.class

SHA-256-Digest: KXW85uGRvj60RDhpniO7eCpx2bRLHH5Y9wIyS6IoNcs=

Name: org/codehaus/commons/compiler/java9/java/lang/module/package-info.class

SHA-256-Digest: k6E2eHaJkpnY9dqCvEY/WMqCsFDA65Aqgqj/enWeXuE=

Name: org/codehaus/commons/compiler/util/ResourceFinderClassLoader.class

SHA-256-Digest: ildJffileKrtjPgoRZEKDvT4uVw3I1HSjmtgyjVUi6I=

Name: org/codehaus/commons/compiler/util/iterator/MultiDimensionalIterator\$.class
SHA-256-Digest: vxMcroasCjCRbi5XRDHeXVZmPbmVvGr9uQRDO9wiwK4=

Name: org/codehaus/commons/compiler/util/resource/DirectoryResourceCreator.class
SHA-256-Digest: KcUOrZXRD61R4MBVw7Xepk25FFaE5/1Stue8JPqYSSc=

Name: org/codehaus/commons/compiler/util/LineAndColumnTracker\$.class
SHA-256-Digest: sJX8ub/Yg/MuKfSjo5EFiqdOMznnoC8t9nJ5cl6nv8Q=

Name: org/codehaus/commons/compiler/java8/java/util/function/Consumers.class
SHA-256-Digest:
nphMP3BopRV+TGLfPq0bDipCLVvg2PYspEhIWHCwr/k=

Name: org/codehaus/commons/compiler/ISimpleCompiler.class
SHA-256-Digest: uOn2B3lVJsQSBuNM3LjiixU22pRxfpqf4336eoSfTQ=

Name: org/codehaus/commons/compiler/util/resource/JarDirectoriesResourceFinder\$.class
SHA-256-Digest: 0JNEzu68SHOTz3VPiC1wylZXtYCt0EAikHznsbUjpwM=

Name: org/codehaus/commons/compiler/util/reflect/Proxies.class
SHA-256-Digest: kln8nCUT5BUMc7A5r3TihMeRkrsgoLd4IEbb8s5UiSw=

Name: org/codehaus/commons/compiler/java9/java/lang/module/ModuleReader.class
SHA-256-Digest: Ug6Oowwq0uvLgpWvdJkygJfVxDFK1qnndO9WtLaedh8=

Name: org/codehaus/commons/compiler/java8/java/util/stream/package-info.class
SHA-256-Digest: kTcAF1pQdiBpSVyMogGfsCR6e+PEbbGIm1XULCNvOi8=

Name: org/codehaus/commons/compiler/LocatedException.class
SHA-256-Digest: JeoWpqsoWCKvH1RHc4W1gOyXl1VU950e5e4nMK3TKkI=

Name: org/codehaus/commons/compiler/java9/java/lang/module/ModuleFinder.class
SHA-256-Digest: FlXVZtN+k9LalfH2u1BOYTARE9OHNEVeicIwG1mv7QY=

Name:
META-INF/maven/org.codehaus.janino/commons-compiler/pom.xml
SHA-256-Digest: 6ytRku4iUhF5relVo1mE29vgINaAYoiYszBtTdtYYt4=

Name: org/codehaus/commons/compiler/java9/java/lang/module/ModuleReference.class
SHA-256-Digest: HXbYQ2CarCiX0D6pyvM/HVPxmafZBvQIrjOcTU/6YkA=

Name: org/codehaus/commons/compiler/util/iterator/ReverseListIterator.cl
ass
SHA-256-Digest: Fx+FnOg8G9m+8sftGoAu8YOpDvIuGmAJU55VJjFiab0=

Name: org/codehaus/commons/compiler/util/package-info.class
SHA-256-Digest: C9vc+36HM1x0VojExw9PxcqqrZrGXhBb9zvaNx/tqRM=

Name: org/codehaus/commons/nullableanalysis/Nullable.class
SHA-256-Digest: Mqsw7uauFjZwHuVvN/3oU6fA3JxM+ZymUsp1MUCV8c0=

Name: org/codehaus/commons/compiler/AbstractCompiler\$1.class
SHA-256-Digest: OsExRpzNvgqt58frHRk7aCGjROnX2DUZf4HeJ0/xu7c=

Name: org/codehaus/commons/compiler/samples/ExpressionDemo.class
SHA-256-Digest: mP1rZusynCzmHGYn7112pk4GBd23kLmFGMeSJJ74LYc=

Found in path(s):
* /commons-compiler-3-1-12-1-jar/META-INF/MANIFEST.MF

1.214 jakarta-annotation-api 2.1.1

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1.216 cache-api 1.1.1

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1.217 spring-data-commons 3.4.3

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jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/BasicOperation.java
*
/spring-context-6-2-3-sources-jar/org/springframework/format/AnnotationFormatterFactory.java
* /spring-context-6-2-3-sources-
jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/annotation/Validated.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/PropertySources.java

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* /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationEventPublisherAware.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
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/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ImportAware.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/context/event/EventListenerFactory.java
- *
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scripting/ScriptEvaluator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ImportResource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scripting/support/StandardScriptEvalException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedMetric.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Role.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ComponentScans.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationStartupAware.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/DeferredImportSelector.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/context/annotation/FullyQualifiedAnnotationBeanNameGenerator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/MessageCodeFormatter.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/RegistrationPolicy.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/cache/support/AbstractValueAdaptingCache.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/validation/MapBindingResult.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/format/number/money/Jsr354NumberFormatAnnotationFormatterFactory.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ImportSelector.java
- * /spring-context-6-2-3-sources-jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/context/MessageSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CacheAnnotationParser.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/MBeanServerFactoryBean.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/instrument/classloading/InstrumentationLoadTimeWeaver.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheProxyFactoryBean.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/context/annotation/AnnotationConfigApplicationContextExtensions.kt
- * /spring-context-6-2-3-sources-jar/org/springframework/context/support/StaticApplicationContext.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Import.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/support/StaticMessageSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiTemplateEditor.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/cache/CacheManager.java

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- * /spring-context-6-2-3-sources-jar/org/springframework/ui/ModelMapExtensions.kt

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 */
```

Found in path(s):

```
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/context/HierarchicalThemeSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/TemporalAccessorParser.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/aot/CglibClassHandler.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/aot/AotApplicationContextInitializer.java
* /spring-context-6-2-3-sources-
jar/org/springframework/jmx/export/assembler/MethodExclusionMBeanInfoAssembler.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/aot/BeanFactoryInitializationAotContributions.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CachingConfigurerSupport.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/aot/ContextAotProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/context/support/SimpleTheme.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/TypeFilterUtils.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedNotifications.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/ProxyAsyncConfiguration.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/i18n/SimpleLocaleContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedOperation.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/MessageSourceAware.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CacheEvict.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AsyncConfigurationSelector.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/Caching.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/context/ThemeSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/context/support/DelegatingThemeSource.java
*
```

```

/spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedResource.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/Model.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/AbstractCachingConfiguration.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CachingConfigurationSelector.java
* /spring-context-6-2-3-sources-
jar/org/springframework/jmx/export/assembly/MethodNameBasedMBeanInfoAssembler.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/LoggingCacheErrorHandler.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/FixedDelayTask.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/NamedCacheResolver.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/AbstractMessageSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ParserStrategyUtils.java
*
/spring-context-6-2-3-sources-jar/org/springframework/validation/BindingResult.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/ManagedNotification.java
* /spring-context-6-2-3-sources-
jar/org/springframework/format/datetime/standard/Jsr310DateTimeFormatAnnotationFormatterFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/NotificationListenerRegistrar.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/context/Theme.java
* /spring-context-6-2-3-sources-jar/org/springframework/ui/ExtendedModelMap.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CachePut.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/GenericGroovyApplicationContext.java
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* /spring-context-6-2-3-sources-jar/org/springframework/validation/DataBinder.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AnnotationBeanNameGenerator.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/QuartzCronField.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java

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```
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/EventListener.java
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/concurrent/DelegatingErrorHandlingCallable.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/Scheduled.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ConfigurationClass.java
* /spring-context-6-2-3-sources-
jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/DateFormatter.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java
* /spring-context-6-2-3-sources-
jar/org/springframework/validation/beanvalidation/BeanValidationBeanRegistrationAotProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/CacheExpressionEvaluator.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/ApplicationContextAwareProcessor.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/ComponentScanBeanDefinitionParser.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/Async.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ExecutorLifecycleDelegate.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CachingConfigurer.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CacheOperationSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ConditionEvaluator.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/CronExpression.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Lazy.java
```

```

* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/DateTimeFormatterUtils.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/EnvironmentAccessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/support/AbstractCacheManager.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/PostProcessorRegistrationDelegate.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/SimpleAsyncTaskScheduler.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Fallback.java
* /spring-context-6-2-3-sources-jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/beanvalidation/MethodValidationAdapter.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheInterceptor.java
* /spring-context-6-2-3-sources-
jar/org/springframework/format/datetime/standard/DateTimeFormatterRegistrar.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/MBeanProxyFactoryBean.java
*
/spring-context-6-2-3-sources-
jar/org/springframework/context/aot/RuntimeHintsBeanFactoryInitializationAotProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/BeanDefinitionDsl.kt
* /spring-context-6-2-3-sources-jar/org/springframework/context/SmartLifecycle.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/annotation/NumberFormat.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Bean.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CompositeCacheOperationSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/DurationFormatter.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/ContextAnnotationAutowireCandidateResolver.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/GenericApplicationContext.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/BitsCronField.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/annotation/DurationFormat.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/method/DefaultMethodValidationResult.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/annotation/DateTimeFormat.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/StandardBeanExpressionResolver.java
* /spring-context-6-2-3-sources-
jar/org/springframework/format/datetime/standard/DurationFormatAnnotationFormatterFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/EnableCaching.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ReflectiveScan.java
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/concurrent/ThreadPoolExecutorFactoryBean.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/BeanExpressionContextAccessor.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/AbstractErrors.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheEvaluationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/aot/AbstractAotProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/ApplicationContextEvent.java

```

```

* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/Task.java
* /spring-context-6-2-3-sources-
jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
*
/spring-context-6-2-3-sources-
jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskScheduler.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/GenericApplicationListenerDelegate.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/ContextClosedEvent.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/CronTrigger.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/Errors.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/method/MethodValidationException.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/VariableNotAvailableException.java
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/annotation/ScheduledAnnotationReactiveSupport.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/expression/BeanFactoryResolver.java
*
/spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/InstantFormatter.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/EventListenerMethodProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/MBeanClientInterceptor.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/method/EmptyMethodValidationResult.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/BeanMethod.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/EnableLoadTimeWeaving.java
* /spring-context-6-2-3-sources-
jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
*
/spring-context-6-2-3-sources-
jar/org/springframework/context/aot/KotlinReflectionBeanRegistrationAotProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/ScheduledTask.java
* /spring-context-6-2-3-sources-
jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ScopedProxyMode.java
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/expression/BeanFactoryAccessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/ContextStoppedEvent.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/aot/ReflectiveProcessorAotContributionBuilder.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/CronField.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scripting/support/ScriptFactoryPostProcessor.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/i18n/LocaleContextThreadLocalAccessor.java

```


* /spring-context-6-2-3-sources-
 jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/expression/AnnotatedElementKey.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/TaskScheduler.java
 * /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/DateFormatterRegistrar.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/event/ContextRefreshedEvent.java
 * /spring-context-6-2-3-sources-
 jar/org/springframework/scheduling/support/DefaultScheduledTaskObservationConvention.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/event/GenericApplicationListener.java
 *
 /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheAspectSupport.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ExecutorConfigurationSupport.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AnnotationConfigUtils.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Condition.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/event/ContextStartedEvent.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/expression/MapAccessor.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/method/MethodValidationResult.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheOperation.java
 *
 /spring-context-6-2-3-sources-jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java
 * /spring-context-6-2-3-sources-jar/org/springframework/ui/ConcurrentModel.java
 * /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/DurationFormatterUtils.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationContextInitializer.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Primary.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AsyncResult.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
 * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/MBeanExporter.java
 *
 /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/method/ParameterValidationResult.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/method/ParameterErrors.java
 * /spring-context-6-2-3-sources-jar/org/springframework/instrument/classloading/WeavingTransformer.java
 * /spring-context-6-2-3-sources-
 jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/ExecutorBeanDefinitionParser.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/TaskExecutionOutcome.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/support/AbstractApplicationContext.java
 *
 /spring-context-6-2-3-sources-
 jar/org/springframework/context/aot/ReflectiveProcessorBeanFactoryInitializationAotProcessor.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
 * /spring-context-6-2-3-sources-jar/org/springframework/format/support/DefaultFormattingConversionService.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/ConfigurableApplicationContext.java

* /spring-context-6-2-3-sources-jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/support/FormattingConversionServiceFactoryBean.java
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Found in path(s):

* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/ManagedAttribute.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AdviceModeImportSelector.java
*
/spring-context-6-2-3-sources-jar/org/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java

```

* /spring-context-6-2-3-sources-jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/Lifecycle.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/MonthFormatter.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/AbstractPropertyBindingResult.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiTemplate.java
* /spring-context-6-2-3-sources-
jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/MBeanRegistrationSupport.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/BeanAnnotationHelper.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AdviceMode.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/MessageSourceAccessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/weaving/AspectJWeavingEnabler.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiObjectLocator.java
* /spring-context-6-2-3-sources-jar/org/springframework/scripting/config/ScriptingDefaultsParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ScopedProxyCreator.java
* /spring-context-6-2-3-sources-jar/org/springframework/scripting/config/LangNamespaceUtils.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/DefaultBindingErrorProcessor.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheResolver.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheOperationInvocationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/DependsOn.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Scope.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/SimpleCacheResolver.java
* /spring-context-6-2-3-sources-
jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ImportRegistry.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/TaskManagementConfigUtils.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/FormatterRegistry.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiLocatorSupport.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scripting/ScriptCompilationException.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/EmbeddedValueResolverAware.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/config/CacheManagementConfigUtils.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/MBeanExportOperations.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/YearFormatter.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiAccessor.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/ManagedResource.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/scripting/support/StaticScriptSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/format/number/money/MonetaryAmountFormatter.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/concurrent/ConcurrentMapCacheFactoryBean.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/EnvironmentAware.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/TriggerTask.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/DefaultMessageCodesResolver.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/ManagedNotification.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/support/EmbeddedValueResolutionSupport.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/SimpleCacheErrorHandler.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
- * /spring-context-6-2-3-sources-jar/org/springframework/format/number/CurrencyStyleFormatter.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scripting/bsh/BshScriptEvaluator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheErrorHandler.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/NotificationListenerBean.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/ConnectorDelegate.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/instrument/classloading/SimpleInstrumentableClassLoader.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/assembler/AbstractMBeanInfoAssembler.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java

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* /spring-context-6-2-3-sources-
jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/MessageSourceResolvable.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/MetricType.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/TypeMismatchNamingException.java
* /spring-context-6-2-3-sources-jar/org/springframework/scripting/ScriptFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/ScheduledTaskHolder.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/stereotype/Indexed.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/ConversionServiceFactoryBean.java
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```

```

*/
/**
* Indicates that a component is only eligible for registration when all
* {@linkplain #value specified conditions} match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see {@link Condition} for details).
*
*
* <p>The {@code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* {@code @Component}, including {@link Configuration @Configuration} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any {@link Bean @Bean} method</li>

```

```

* </ul>
*
* <p>If a {@code @Configuration} class is marked with {@code @Conditional},
* all of the {@code @Bean} methods, {@link Import @Import} annotations, and
* {@link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* {@code @Conditional} itself is not declared as
* {@link java.lang.annotation.Inherited
  @Inherited}; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* {@code @Conditional} must not be declared as {@code @Inherited}.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

```

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* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Conditional.java

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* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Description.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/CustomizableThreadFactory.java
 *

/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/FilterType.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/i18n/LocaleContext.java
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* /spring-context-6-2-3-sources-jar/org/springframework/format/Printer.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/support/CompositeCacheManager.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/KeyGenerator.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
*
/spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/Parser.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/YearMonthFormatter.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/Schedules.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/PeriodFormatter.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiPropertySource.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/MonthDayFormatter.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiLocatorDelegate.java
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*/
/**
* Abstract the invocation of a cache operation.
*
* <p>Does not provide a way to transmit checked exceptions but
* provides a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
*
* @author Stephane Nicoll
* @since 4.1
*/

```

Found in path(s):

```

* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
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```

* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/EnableScheduling.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheableOperation.java

```



```

* /spring-context-6-2-3-sources-jar/org/springframework/context/ResourceLoaderAware.java
*
/spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/ProxyCachingConfiguration.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/MBeanExportConfiguration.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationEvent.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/number/NumberStyleFormatter.java
* /spring-context-6-2-3-sources-
jar/org/springframework/jmx/export/assembler/AbstractConfigurableMBeanInfoAssembler.java
* /spring-context-6-2-3-sources-
jar/org/springframework/instrument/classloading/ResourceOverridingShadowingClassLoader.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/CacheManagerExtensions.kt
* /spring-context-6-2-3-sources-jar/org/springframework/validation/support/BindingAwareConcurrentModel.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/support/BindingAwareModelMap.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /spring-context-6-2-3-sources-
jar/org/springframework/cache/config/AnnotationDrivenCacheBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/config/CacheAdviceParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Jsr330ScopeMetadataResolver.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ComponentScanAnnotationParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CachePutOperation.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/FormatterRegistrar.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheEvictOperation.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ConfigurationMethod.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/event/SmartApplicationListener.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/DateTimeContextHolder.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/EnableAspectJAutoProxy.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/CacheExtensions.kt
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/concurrent/DefaultManagedAwareThreadFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AsyncConfigurer.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/EnableAsync.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/CronTask.java
* /spring-context-6-2-3-sources-jar/org/springframework/scripting/support/ResourceScriptSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiCallback.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/MBeanConnectFailureException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/SchedulerBeanDefinitionParser.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/BindingErrorProcessor.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiLookupFailureException.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/EnableMBeanExport.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/NoSuchMessageException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/format/number/AbstractNumberFormatter.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationContextHolder.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scripting/ScriptSource.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/format/Formatter.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/MessageCodesResolver.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationContextHolder.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/MBeanServerNotFoundException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scripting/support/RefreshableScriptTargetSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/JmxAttributeSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ScopeMetadata.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/MBeanExportException.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/naming/SelfNaming.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/weaving/LoadTimeWeaverAware.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/assembler/MBeanInfoAssembler.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/MBeanExporterListener.java
- * /spring-context-6-2-3-sources-

```

jar/org/springframework/context/annotation/AnnotationConfigBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/InvocationFailureException.java
* /spring-context-6-2-3-sources-jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/access/InvalidInvocationException.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java
* /spring-context-6-2-3-sources-
jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
* /spring-context-6-2-3-sources-jar/org/springframework/ejb/config/JndiLookupBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/JmxException.java
*
/spring-context-6-2-3-sources-jar/org/springframework/context/Phased.java
* /spring-context-6-2-3-sources-jar/org/springframework/scheduling/SchedulingException.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/HierarchicalMessageSource.java
* /spring-context-6-2-3-sources-jar/org/springframework/ejb/config/JeeNamespaceHandler.java
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* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/PropertySource.java
* /spring-context-6-2-3-sources-jar/org/springframework/scripting/support/StandardScriptEvaluator.java
*
/spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ScheduledExecutorFactoryBean.java
* /spring-context-6-2-3-sources-jar/org/springframework/format/datetime/standard/DateTimeContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Configuration.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java
* /spring-context-6-2-3-sources-
jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/ApplicationListenerDetector.java
* /spring-context-6-2-3-sources-jar/org/springframework/validation/BindingResultUtils.java
* /spring-context-6-2-3-sources-jar/org/springframework/stereotype/Component.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/expression/MethodBasedEvaluationContext.java

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* /spring-context-6-2-3-sources-
 jar/org/springframework/scheduling/support/ScheduledTaskObservationDocumentation.java
 *
 /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/IntervalTask.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/i18n/SimpleTimeZoneAwareLocaleContext.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/index/CandidateComponentsIndex.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/BeanPropertyBindingResult.java
 * /spring-context-6-2-3-sources-
 jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
 * /spring-context-6-2-3-sources-
 jar/org/springframework/cache/interceptor/CacheOperationExpressionEvaluator.java
 * /spring-context-6-2-3-sources-
 jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/AbstractBindingResult.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/AbstractCacheResolver.java
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 /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationEventPublisher.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/event/SourceFilteringListener.java
 * /spring-context-6-2-3-sources-jar/org/springframework/format/support/FormattingConversionService.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scripting/bsh/BshScriptFactory.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/support/ContextTypeMatchClassLoader.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/SimpleKey.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
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 jar/org/springframework/scheduling/concurrent/DefaultManagedTaskScheduler.java
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 * /spring-context-6-2-3-sources-
 jar/org/springframework/jmx/export/notification/ModelMBeanNotificationPublisher.java
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 * /spring-context-6-2-3-sources-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
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 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/ScheduledTaskObservationConvention.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/SmartValidator.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/Profile.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/AnnotationAsyncExecutionInterceptor.java
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 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/NameMatchCacheOperationSource.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/Cache.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ImportRuntimeHints.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scripting/bsh/BshScriptUtils.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/support/SimpleCacheManager.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/support/SimpleThreadScope.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/ScheduledTaskObservationContext.java
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 /spring-context-6-2-3-sources-jar/org/springframework/scheduling/SchedulingTaskExecutor.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/support/AbstractXmlApplicationContext.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/ApplicationListener.java
 * /spring-context-6-2-3-sources-jar/org/springframework/format/support/FormattingConversionServiceRuntimeHints.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/LoadTimeWeavingConfigurer.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/annotation/ValidationAnnotationUtils.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/Cacheable.java
 * /spring-context-6-2-3-sources-jar/org/springframework/validation/BindException.java
 * /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/SimpleKeyGenerator.java
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 /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
 * /spring-context-6-2-3-sources-jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java
 * /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/JmxUtils.java
 * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ResourceElementResolver.java

- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/annotation/SchedulingConfigurer.java
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- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/ObjectNameManager.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/support/DelegatingMessageSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/TriggerContext.java
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- /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ProfileCondition.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/SimpleTriggerContext.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/aot/ApplicationContextAotGenerator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/event/EventExpressionEvaluator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/DelayedTask.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/CompositeCronField.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/FieldError.java
- * /spring-context-6-2-3-sources-jar/org/springframework/ui/ModelMap.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/SchedulingAwareRunnable.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/scripting/groovy/GroovyScriptFactory.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/PayloadApplicationEvent.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/support/NoOpCache.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/ObjectError.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
- * /spring-context-6-2-3-sources-jar/org/springframework/stereotype/Repository.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/SimpleErrors.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
- * /spring-context-6-2-3-sources-jar/org/springframework/validation/Validator.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiObjectFactoryBean.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/event/ApplicationEventMulticaster.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/validation/ValidationUtils.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/config/FixedRateTask.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/support/NullValue.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/ejb/config/RemoteStatelessSessionBeanDefinitionParser.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/annotation/CacheConfig.java
- * /spring-context-6-2-3-sources-jar/org/springframework/scheduling/support/NoOpTaskScheduler.java
- * /spring-context-6-2-3-sources-
- jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java
- * /spring-context-6-2-3-sources-jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/jndi/JndiObjectTargetSource.java
- * /spring-context-6-2-3-sources-jar/org/springframework/context/i18n/LocaleContextHolder.java
- *
- /spring-context-6-2-3-sources-jar/org/springframework/scripting/support/StandardScriptUtils.java
- * /spring-context-6-2-3-sources-jar/org/springframework/cache/support/SimpleValueWrapper.java
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- * /spring-context-6-2-3-sources-

jar/org/springframework/ejb/config/LocalStatelessSessionBeanDefinitionParser.java
* /spring-context-6-2-3-sources-jar/org/springframework/context/support/ApplicationObjectSupport.java
* /spring-context-6-2-3-sources-jar/org/springframework/jmx/support/NotificationListenerHolder.java
* /spring-context-6-2-3-sources-jar/org/springframework/cache/interceptor/CacheEvaluationContextFactory.java
* /spring-context-6-2-3-sources-jar/org/springframework/stereotype/Controller.java

1.219 caffeine 3.1.8

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1.220 netty-transport-native-unix-common

4.1.118.Final

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jar/io/netty/channel/unix/DomainSocketChannelConfig.java
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*
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jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_filedescriptor.c
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/Errors.java
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_socket.c
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_filedescriptor.h
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_errors.h
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_socket.h
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/FileDescriptor.java
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/UnixChannel.java
*
/netty-transport-native-unix-common-4-1-118-final-sources-
jar/io/netty/channel/unix/DomainSocketReadMode.java

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/Socket.java
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/DomainSocketChannel.java
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* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/package-info.java
* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/Unix.java
*

/netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/UnixChannelOption.java

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* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_buffer.c

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/Buffer.java

*

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* /netty-transport-native-unix-common-4-1-118-final-sources-

jar/io/netty/channel/unix/SegmentedDatagramPacket.java
* /netty-transport-native-unix-common-4-1-118-final-sources-
jar/io/netty/channel/unix/DomainDatagramPacket.java
*
/netty-transport-native-unix-common-4-1-118-final-sources-
jar/io/netty/channel/unix/DomainDatagramChannel.java
* /netty-transport-native-unix-common-4-1-118-final-sources-
jar/io/netty/channel/unix/DomainDatagramSocketAddress.java
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* /netty-transport-native-unix-common-4-1-118-final-sources-
jar/io/netty/channel/unix/RawUnixChannelOption.java
* /netty-transport-native-unix-common-4-1-118-final-sources-
jar/io/netty/channel/unix/IntegerUnixChannelOption.java
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* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/Limits.java

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/io/netty/channel/unix/PeerCredentials.java

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_limits.c

*

/netty-transport-native-unix-common-4-1-118-final-sources-

jar/io/netty/channel/unix/SocketWritableByteChannel.java

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_util.c

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_util.h

* /netty-transport-native-unix-common-4-1-118-final-sources-

jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java

* /netty-transport-native-unix-common-4-1-118-final-sources-

jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java

* /netty-transport-native-unix-common-4-1-118-final-sources-jar/netty_unix_limits.h

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jQuery UI v1.13.2

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1.226 logback-core 1.5.16

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Found in path(s):

```
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/SerializeModelModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/SerializeModelModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/SerializeModelAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/XTeeOutputStream.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/encoder/JsonEscapeUtil.java
*
```

```
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/DummyEncoder.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/ModelClassToModelHandlerLinkerBase.java
```

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- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/AppenderRefModel.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/AppenderModelHandler.java

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Found in path(s):

- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/AbstractMultiThreadedHarness.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/spi/HttpUtil.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ConversionRuleModelHandler.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/ConverterSupplierByClassName.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/MD5Util.java
- *

- /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/SizeAndTimeBasedFNATP.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/IncludeModelHandler.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/StringUtil.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ConversionRuleModel.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/util/VariableSubstitutionsHelper.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/StatusPrinter2.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/LengthCounterBase.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/RunnableWithCounterAndDone.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ModelUtil.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/util/AggregationAssessor.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/LengthCounter.java

```
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ResourceModel.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/ContextAwarePropertyContainer.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/ResourceAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ResourceHandlerBase.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/util/PropertyModelHandlerHelper.java
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```
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/DefaultProcessor.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/sanity/AppenderWithinAppenderSanityChecker.java
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```
* /logback-core-1-5-16-sources-
jar/ch/qos/logback/core/rolling/DefaultTimeBasedFileNamingAndTriggeringPolicy.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/RollingFileAppender.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/ImplicitModelDataForComplexProperty.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/ExecutorServiceUtil.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/GenericXMLConfigurator.java
```

*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/helper/TimeBasedArchiveRemover.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/SizeAndTimeBasedFileNamingAndTriggeringPolicy.java
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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/EnvUtil.java
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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/ActionUtil.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/BlackCompositeConverter.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/RedCompositeConverter.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/status/OnConsoleStatusListener.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/status/Status.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicyBase.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/helpers/ThrowableToStringArray.java

- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/spi/ActionException.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/ComponentTracker.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/status/OnPrintStreamStatusListenerBase.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/subst/NodeToStringTransformer.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/ObjectWriter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/status/WarnStatus.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/spi/EventPlayer.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/BoldBlueCompositeConverter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/server/RemoteReceiverServerListener.java
- *
- /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/DeferredProcessingAware.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/boolex/EvaluationException.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/filter/EvaluatorFilter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/util/AlmostAsIsEscapeUtil.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/PropertyAction.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/Layout.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/AppenderAttachableImpl.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/property/ResourceExistsPropertyDefiner.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/ParamAction.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/BoldRedCompositeConverter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/server/RemoteReceiverServerRunner.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/event/SaxEventRecorder.java
- *
- /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/helper/PeriodicityType.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/ConsoleAppender.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/conditional/Condition.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/server/SSLServerSocketAppenderBase.java
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- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/SyslogConstants.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/event/SaxEvent.java
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- *
- /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/helper/Compressor.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/BoldYellowCompositeConverter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/sift/AppenderFactory.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/AggregationType.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/AbstractSSLSocketAppender.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/CachingDateFormatter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/Action.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/CompositeConverter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/parser/Token.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/server/AbstractServerSocketAppender.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/helper/DateTokenConverter.java
- *
- /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/CyclicBufferTracker.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/ContextAwareBase.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/hook/ShutdownHook.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/FilterReply.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/DefaultInvocationGate.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/Duration.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/SpacePadder.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/AsyncAppenderBase.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/ConverterUtil.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/status/StatusListenerAsList.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/CyanCompositeConverter.java
- * /logback-core-1-5-16-sources-jar/ch/qos/logback/core/pattern/color/GreenCompositeConverter.java
- *

```
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/JNDIUtil.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/CharSequenceState.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/property/FileExistsPropertyDefiner.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/conditional/PropertyEvalScriptBuilder.java
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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/FileToBufferUtil.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/TrivialStatusListener.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/StringListAppender.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/CoreTestConstants.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/RandomUtil.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/FileTestUtil.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/EnvUtilForTests.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/NPEAppender.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/TeeOutputStream.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/MockInitialContext.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/ConfigurationEventListener.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/MockInitialContextFactory.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/SimpleInvocationGate.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/ConfigurationEvent.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/testUtil/DelayingListAppender.java
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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ImplicitModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/sift/NOPSiftModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/sift/SiftingAppenderBase.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/sift/SiftModelHandler.java
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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/conditional/ThenAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/BaseModelAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/NamedModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ProcessingPhase.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/JoranConfiguratorBase.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/util/TagUtil.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/recovery/RecoveryListener.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ModelHandlerFactoryMethod.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/conditional/IfAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/DefineModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/SiftModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ModelInterpretationContext.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/AppenderRefDependencyAnalyser.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/PhaseIndicator.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/SequenceNumberGeneratorModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/util/ParentTag_Tag_Class_Tuple.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/TimestampModel.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ShutdownHookModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/conditional/ElseModel.java

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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/conditional/ElseModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/StatusListenerModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/NOPModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicy.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/conditional/ThenModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/conditional/IfModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/action/ImplicitModelAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/TimeBasedRollingPolicy.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/sanity/SanityChecker.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ImportModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/InsertFromJNDIModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/TimestampModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/RefContainerDependencyAnalyser.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/conditional/IfModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/EventEvaluatorModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/net/HardenedObjectInputStream.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/joran/conditional/ElseAction.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/Model.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ModelConstants.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ComponentModel.java
*
/logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/AppenderModel.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/DefineModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/spi/ErrorCodes.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/DependencyDefinition.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/ImplicitModel.java
* /logback-core-1-5-16-sources-
jar/ch/qos/logback/core/model/processor/SequenceNumberGeneratorModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ShutdownHookModelHandler.java
* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/model/processor/ModelHandlerBase.java
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* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/util/StatusPrinter.java

* /logback-core-1-5-16-sources-jar/ch/qos/logback/core/rolling/helper/SizeAndTimeBasedArchiveRemover.java

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1.231 spring-boot-actuator 3.4.3

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```
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- * /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/FieldVisitorTee.java
- * /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/UndeclaredThrowableStrategy.java
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- * /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/MixinBeanEmitter.java

```

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/MethodVisitorTee.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/util/ParallelSorter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/Local.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/InvocationHandler.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ClassEmitter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldCallback.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/AddPropertyTransformer.java
*
/spring-core-6-2-3-sources-jar/org/springframework/cglib/reflect/FastMember.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/CodeGenerationException.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/TransformingClassGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ClassesKey.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/BeanGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ProcessArrayCallback.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/ClassVisitorTee.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ProcessSwitchCallback.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/AnnotationVisitorTee.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ClassGenerator.java
*
/spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/LazyLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/ClassTransformerFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/AddDelegateTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/Transformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/DuplicatesPredicate.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/ClassReaderGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/ClassTransformerTee.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/GeneratorStrategy.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/Block.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ClassTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/Constants.java
*
/spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/MethodFilterTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/FieldProviderTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldEnabled.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/FixedKeySet.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldFilter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/Customizer.java
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* /spring-core-6-2-3-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration
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```
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/annotation/SimpleReflectiveProcessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/predicate/SerializationHintsPredicates.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotation.java
*
/spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/NativeConfigurationWriter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/ConfigurableEnvironment.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GenerationContext.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/substitution/Target_Introspector.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/ResourcePatternUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToLocaleConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/CachingMetadataReaderFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/VfsUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ProxyHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/ResourceRegion.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/DataBufferDecoder.java
*
```



```

/spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBufferOutputStream.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GeneratedMethod.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/Converter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/CloseableDataBuffer.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/RuntimeHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/DomContentHandler.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/substitution/Target_ClassFinder.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBufferFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/PropertiesLoaderUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GeneratedTypeReference.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/MemberHint.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationConfigurationException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/NettyByteBufferEncoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/log/CompositeLog.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/MethodReference.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotationPredicates.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/Hints.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/Netty5BufferDecoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/FileNativeConfigurationWriter.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/DomUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ConditionalHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotatedElementUtils.java
*
/spring-core-6-2-3-sources-jar/org/springframework/aot/hint/predicate/ResourceHintsPredicates.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ExecutableMode.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/PropertiesPersister.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/NestedExceptionUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/ClassNameGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToTimeZoneConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/TouchableDataBuffer.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/task/TaskTimeoutException.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/DefaultPropertiesPersister.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/MonoToListenableFutureAdapter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/Netty5BufferEncoder.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/xml/XmlValidationModeDetector.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/ConvertingComparator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/AbstractEncoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToCurrencyConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/FieldHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/SerializationHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBufferInputStream.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/annotation/ReflectiveProcessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/predicate/RuntimeHintsPredicates.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToCharsetConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DefaultDataBufferFactory.java
*

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/spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/PooledDataBuffer.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/DefaultResourceLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AliasFor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ConversionServiceFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/style/SimpleValueStyler.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/FutureUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GeneratedMethods.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/NettyByteBufferDecoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/feature/ThrowawayClassLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/predicate/ProxyHintsPredicates.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/codec/AbstractSingleValueEncoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/ResourcePatternResolver.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/ListenableFuture.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/StandardReflectionParameterNameDiscoverer.java
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* /spring-core-6-2-3-sources-jar/org/springframework/core/type/MethodMetadata.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBufferLimitException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/AttributeAccessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/SimpleMethodMetadataReadingVisitor.java
*
/spring-core-6-2-3-sources-jar/org/springframework/objenesis/SpringObjenesis.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/log/LogDelegateFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/XMLEventStreamReader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/Encoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationFilter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/ConfigurableObjectInputStream.java
* /spring-core-6-2-3-sources-jar/org/springframework/asm/SpringAsmInfo.java

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* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationsProcessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/StandardAnnotationMetadata.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/SmartClassLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/StandardEnvironment.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/annotation/ValueExtractor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ByteBufferConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/ResourceLoader.java
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- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/IntegerToEnumConverterFactory.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/DecoratingProxy.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/SynthesizingMethodParameter.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ConversionUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/RouteMatcher.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/AbstractDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/ReactiveAdapter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotationSelector.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/IntrospectionFailureLogger.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ByteArrayDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MissingMergedAnnotation.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/PackagesAnnotationFilter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotationSelectors.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/DataBufferEncoder.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/SimpleRouteMatcher.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/PathMatcher.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/filter/AnnotationTypeFilter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ByteBufferEncoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ResourceEncoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ByteArrayEncoder.java

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- * /spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxEventHandler.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/ResourcePropertySource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/ConverterFactory.java
- *

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/spring-core-6-2-3-sources-jar/org/springframework/util/UpdateMessageDigestInputStream.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/NamedInheritableThreadLocal.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/CompositeIterator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/LocalizedResourceHelper.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/backoff/FixedBackOff.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/OverridingClassLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/SimpleMetadataReaderFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/PropertySources.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/XMLStreamWriter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/style/ToStringCreator.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxSource.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/xml/AbstractXMLStreamReader.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/DelegatingCompletableFuture.java
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Found in path(s):

* /spring-core-6-2-3-sources-jar/org/springframework/util/JdkIdGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/AlternativeJdkIdGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/DefaultSerializer.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/ResizableByteArrayOutputStream.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/support/SerializationDelegate.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java
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* /spring-core-6-2-3-sources-jar/org/springframework/core/InfrastructureProxy.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/task/SyncTaskExecutor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/ClassRelativeResourceLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/support/SerializationFailedException.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/style/StylerUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/SimpleTransformErrorListener.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/SimpleSaxErrorHandler.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/NumberToCharacterConverter.java
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Found in path(s):

- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/TaskExecutor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/TaskRejectedException.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/support/KotlinDetectorRuntimeHints.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/ByteArrayResource.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/LinkedCaseInsensitiveMap.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ResourceHintsExtensions.kt
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/SimpleTypeReference.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GeneratedClass.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/JdkProxyHintExtensions.kt
- * /spring-core-6-2-3-sources-jar/org/springframework/core/NestedCheckedException.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/ResourceArrayPropertyEditor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/log/LogMessage.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/EncodedResource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/Property.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/comparator/ComparableComparator.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/type/StandardClassMetadata.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/ConversionFailedException.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/TypeUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ByteBufferDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/xml/ListBasedXMLStreamReader.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/SerializationHintsWriter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/ClassPathResource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToArrayConverter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/VirtualThreadTaskExecutor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/function/ThrowingSupplier.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ProxyHintsExtensions.kt
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/function/SingletonSupplier.java
- * /spring-core-6-2-3-sources-jar/org/springframework/lang/NonNull.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/MethodName.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/NettyDataBufferFactory.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxEventXMLReader.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/support/SerializingConverter.java

- * /spring-core-6-2-3-sources-jar/org/springframework/core/env/JOptCommandLinePropertySource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/CollectionFactory.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/env/PropertySource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/LimitedDataBufferList.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/Netty5DataBuffer.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/NestedRuntimeException.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/DigestUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/ProxyHintsWriter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/env/PropertyResolverExtensions.kt
- * /spring-core-6-2-3-sources-jar/org/springframework/core/KotlinReflectionParameterNameDiscoverer.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/env/Environment.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/support/CompositeTaskDecorator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBufferWrapper.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/MetadataReaderFactory.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/StandardMethodMetadata.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/DefaultParameterNameDiscoverer.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/FileCopyUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/AnnotationMetadata.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/MethodClassKey.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/TypeReference.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GeneratedClasses.java
- * /spring-core-6-2-3-sources-
- jar/org/springframework/aot/generate/UnsupportedTypeValueCodeGenerationException.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/SimpleMethodMetadata.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotations.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/comparator/BooleanComparator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/AbstractCharSequenceDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/MimeTypeUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/AbstractTypeReference.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/FutureAdapter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/StringDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationAwareOrderComparator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/AutoPopulatingList.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/DefaultDeserializer.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/ReflectionHintsWriter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/SimpleMetadataReader.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/AbstractDataBufferDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/comparator/NullSafeComparator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/OrderComparator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/PathResource.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/ResourceHintsWriter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/RepeatableContainers.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/InstanceFilter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/VfsResource.java

- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/support/ContextPropagatingTaskDecorator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ReflectionHintsExtensions.kt
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/support/ClassHintUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/codec/CharBufferDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/lang/NonNullApi.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/AsyncTaskExecutor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/support/ExecutorServiceAdapter.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/SimpleAnnotationMetadata.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/support/DeserializingConverter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/Constants.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/PatternMatchUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/Generated.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/comparator/Comparators.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationTypeMappings.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/MergedAnnotationReadingVisitor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationTypeMapping.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AbstractMergedAnnotation.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/NativeDetector.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/codec/CharSequenceEncoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/Netty5DataBufferFactory.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/AnnotatedTypeMetadata.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/ConcurrentLruCache.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/Conventions.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/ConversionService.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ExecutableHint.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/NettyDataBuffer.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/task/VirtualThreadDelegate.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/SerializationHintsExtensions.kt
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/io/AbstractResource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/support/FilePatternResourceHintsRegistrar.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/MethodParameter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/PriorityOrdered.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/StringValueResolver.java
- * /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/SpringNamingPolicy.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/log/LogFormatUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/ParameterizedTypeReference.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/SpringFactoriesLoader.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ResourcePatternHints.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/style/DefaultValueStyler.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/support/SpringPropertiesRuntimeHints.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/xml/SimpleNamespaceContext.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/DefaultGenerationContext.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/AttributeAccessorSupport.java

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* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/AppendableConsumerInputStreamSource.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/BasicJsonWriter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/classreading/ClassFormatException.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/TransformerUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxStreamXMLReader.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/FileSystemUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/ModuleResource.java
*
/spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ReflectionTypeReference.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/TypeHintExtensions.kt
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/DescriptiveResource.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/AbstractStaxXMLReader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/DefaultConversionService.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/backoff/BackOff.java
* /spring-core-6-2-3-sources-jar/org/springframework/lang/NonNullFields.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ResourceHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/support/ObjectToObjectConverterRuntimeHints.java
* /spring-core-6-2-3-sources-
jar/org/springframework/aot/hint/support/PathMatchingResourcePatternResolverRuntimeHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/CollectionToStringConverter.java
*
/spring-core-6-2-3-sources-
jar/org/springframework/core/type/classreading/SimpleAnnotationMetadataReadingVisitor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/ProfilesParser.java
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* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ZoneIdToTimeZoneConverter.java
* /spring-core-6-2-3-sources-
jar/org/springframework/core/convert/support/ZonedDateTimeToCalendarConverter.java
*

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/spring-core-6-2-3-sources-jar/org/springframework/core/type/filter/TypeFilter.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/ErrorHandler.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/filter/AssignableTypeFilter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/EnumToStringConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/ConverterRegistry.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/ProtocolResolver.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToPropertiesConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/backoff/BackOffExecution.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/EnumToIntegerConverter.java
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* /spring-core-6-2-3-sources-jar/org/springframework/util/SimpleIdGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/metrics/ApplicationStartup.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/IdGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/PropertyResolver.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/io/FileUrlResource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/log/LogAccessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/Deserializer.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToCharacterConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToNumberConverterFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/metrics/jfr/FlightRecorderStartupEvent.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/LinkedMultiValueMap.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ResourceRegionEncoder.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/task/TaskDecorator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/SortedProperties.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/comparator/InstanceComparator.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/CustomizableThreadCreator.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/CommonsLogWriter.java

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* /spring-core-6-2-3-sources-jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/AliasRegistry.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/MapPropertySource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/EnumerablePropertySource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotationCollectors.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToUUIDConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/serializer/Serializer.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/metrics/StartupStep.java
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* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/AnnotationSpec.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/ParameterSpec.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/CodeBlock.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/TypeVariableName.java
*
/spring-core-6-2-3-sources-jar/org/springframework/javapoet/MethodSpec.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/JavaFile.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/WildcardTypeName.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/ArrayTypeName.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/ParameterizedTypeName.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/TypeName.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/Util.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/NameAllocator.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/CodeWriter.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/TypeSpec.java
* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/FieldSpec.java
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 */

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* /spring-core-6-2-3-sources-jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ArrayToStringConverter.java
 *
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/PropertiesToStringConverter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/ConditionalConverter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToCollectionConverter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxStreamHandler.java
 * /spring-core-6-2-3-sources-jar/org/springframework/cglib/SpringCglibInfo.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/util/ExceptionTypeFilter.java
 * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ObjectToStringConverter.java
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* /spring-core-6-2-3-sources-jar/org/springframework/javapoet/ClassName.java

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Found in path(s):

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ClassWriter.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/TypeReference.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/SymbolTable.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ModuleWriter.java

*

/spring-core-6-2-3-sources-jar/org/springframework/asm/AnnotationWriter.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Frame.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ClassReader.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/MethodVisitor.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ByteVector.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ClassTooLargeException.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/RecordComponentVisitor.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/TypePath.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Edge.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Handler.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/MethodWriter.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/CurrentFrame.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ConstantDynamic.java

*

/spring-core-6-2-3-sources-jar/org/springframework/asm/RecordComponentWriter.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/MethodTooLargeException.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Symbol.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Label.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Handle.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/FieldVisitor.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/ClassVisitor.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/AnnotationVisitor.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Type.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/FieldWriter.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Context.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Attribute.java

* /spring-core-6-2-3-sources-jar/org/springframework/asm/Constants.java

```
* /spring-core-6-2-3-sources-jar/org/springframework/asm/Opcodes.java
*
/spring-core-6-2-3-sources-jar/org/springframework/asm/ModuleVisitor.java
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```
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/CallbackFilter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/AddStaticInitTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/CallbackGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/FixedValueGenerator.java
*
/spring-core-6-2-3-sources-jar/org/springframework/cglib/core/DebuggingClassWriter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/AbstractClassGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/MixinEmitter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/CollectionUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/EmitUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/Proxy.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/ImmutableBean.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/VisibilityPredicate.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/MethodProxy.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/reflect/MethodDelegate.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/CodeEmitter.java
*
/spring-core-6-2-3-sources-jar/org/springframework/cglib/core/KeyFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/Mixin.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/reflect/FastClassEmitter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/DispatcherGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/ClassFilterTransformer.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/NoOpGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/reflect/MulticastDelegate.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/BulkBeanEmitter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/MethodWrapper.java
```

```

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/MethodInterceptorGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/DefaultNamingPolicy.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/TypeUtils.java
*
/spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/InvocationHandlerGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ReflectUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/ClassTransformerChain.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/BeanMapEmitter.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/reflect/FastMethod.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/reflect/FastClass.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/AbstractClassLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/BeanCopier.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/AsmApi.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/LazyLoaderGenerator.java
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* /spring-core-6-2-3-sources-
jar/org/springframework/core/convert/support/AbstractConditionalEnumConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/MissingRequiredPropertiesException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/IdToEntityConverter.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/io/support/DefaultPropertySourceFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/FileSystemResourceLoader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/ResolvableTypeProvider.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/WritableResource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/style/DefaultToStringStyler.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/CodecException.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/InvalidMimeTypeException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/converter/GenericConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/ClassMetadata.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/AbstractStaxHandler.java

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* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/VfsPatternUtils.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/CollectionToArrayConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/EnvironmentCapable.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ObjectToArrayConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/ConverterNotFoundException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/DecodingException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StreamConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/ResourceEditor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/Order.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/EncodingException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/type/filter/AspectJTypeFilter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/CollectionToObjectConverter.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/xml/StaxResult.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/xml/AbstractXMLReader.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/style/ToStringStyler.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ConvertingPropertyEditorAdapter.java
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* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/CallbackHelper.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/MethodInfo.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ClassInfo.java

*

/* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/CallbackInfo.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/AddInitTransformer.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/AbstractClassFilterTransformer.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/MethodInfoTransformer.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/transform/impl/AbstractInterceptFieldCallback.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/proxy/InterfaceMaker.java

* /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/RejectModifierPredicate.java

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- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/ObjenesisBase.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJInstantiatorBase.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/android/AndroidSerializationInstantiator.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/annotations/Typology.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/sun/MagicInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/annotations/Instantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/NullInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/ObjenesisException.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/FailingInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/ProxyingInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/strategy/StdInstantiatorStrategy.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/perc/PercSerializationInstantiator.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJSerializationInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/Objenesis.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/ConstructorInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/ObjectInputStreamInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactorySerializationInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/sun/UnsafeFactoryInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/util/ClassUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/ObjectInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/android/Android18Instantiator.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/objenesis/ObjenesisStd.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/strategy/SingleInstantiatorStrategy.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/strategy/InstantiatorStrategy.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/util/UnsafeUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryHelper.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/AccessibleInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/SerializationInstantiatorHelper.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/DelegatingToExoticInstantiator.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/ObjenesisSerializer.java
- * /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/ObjectStreamClassInstantiator.java
- *

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/spring-core-6-2-3-sources-jar/org/springframework/objenesis/ObjenesisHelper.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/basic/NewInstanceInstantiator.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/perc/PercInstantiator.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/android/Android10Instantiator.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/instantiator/android/Android17Instantiator.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/strategy/SerializingInstantiatorStrategy.java
* /spring-core-6-2-3-sources-
jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryInstantiator.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/strategy/PlatformDescription.java
* /spring-core-6-2-3-sources-jar/org/springframework/objenesis/strategy/BaseInstantiatorStrategy.java
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* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ReflectionHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/CommandLinePropertySource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/AbstractFileResolvingResource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/CommandLinePropertySource.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/io/support/PathMatchingResourcePatternResolver.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/metrics/jfr/FlightRecorderApplicationStartup.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/GenericTypeResolver.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/ResolvableType.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/GenericConversionService.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/PlaceholderParser.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/ReflectionUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/SpringProperties.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/MemberCategory.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/CommandLineArgsParser.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/TypeDescriptor.java
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/spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotatedMethod.java

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* /spring-core-6-2-3-sources-jar/org/springframework/util/FilteredMap.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/SubscriberInputStream.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToRegexConverter.java
*
* /spring-core-6-2-3-sources-jar/org/springframework/util/function/SupplierUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationAttributes.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/StopWatch.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/MultiToSingleValueMapAdapter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/metrics/DefaultApplicationStartup.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/unit/DataSize.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/MutablePropertySources.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/CompositeSet.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ResourcePatternHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/SettableListenableFuture.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/PropertySourceDescriptor.java
*
* /spring-core-6-2-3-sources-jar/org/springframework/util/backoff/ExponentialBackOff.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/annotation/Reflective.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/KotlinDetector.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/PropertySourceProcessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/unit/DataUnit.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/MultiValueMapAdapter.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/ObjectUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/PropertiesPropertySource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/AbstractEnvironment.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/OrderUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/PropertySourcesPropertyResolver.java
*
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/spring-core-6-2-3-sources-jar/org/springframework/lang/CheckReturnValue.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/FilteredSet.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/ListenableFutureTask.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/CoroutinesUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToBooleanConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/JdkProxyHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/InMemoryGeneratedFiles.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/function/ThrowingBiFunction.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/annotation/RegisterReflection.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/CollectionUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/JettyDataBufferFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/annotation/RegisterReflectionForBinding.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/FilteredIterator.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/ValueCodeGeneratorDelegates.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/PropertyPlaceholderHelper.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/FileSystemGeneratedFiles.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/AotDetector.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/TypeMappedAnnotation.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/SystemEnvironmentPropertySource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/CommandLineArgs.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/FailureCallback.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/DefaultMethodReference.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/ListenableFutureCallback.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/MimeType.java
* /spring-core-6-2-3-sources-
jar/org/springframework/aot/hint/annotation/RegisterReflectionForBindingProcessor.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/CompositeMap.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/MethodInvoker.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/StreamUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/StringToPatternConverter.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/Assert.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/ConcurrentReferenceHashMap.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/ValueCodeGenerator.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AttributeMethods.java
*
/spring-core-6-2-3-sources-jar/org/springframework/aot/generate/ValueCodeGenerationException.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/nativex/feature/PreComputeFieldFeature.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/GeneratedFiles.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/ReactiveAdapterRegistry.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/SuccessCallback.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/PropertySourceFactory.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/generate/AccessControl.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/FileSystemResource.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/PlaceholderResolutionException.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ObjectToObjectConverter.java

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- * /spring-core-6-2-3-sources-jar/org/springframework/util/MultiValueMap.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/core/codec/ResourceDecoder.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/annotation/ReflectiveRuntimeHintsRegistrar.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/UrlResource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/RuntimeHintsRegistrar.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/MapToMapConverter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationsScanner.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/FastByteArrayOutputStream.java
- * /spring-core-6-2-3-sources-jar/org/springframework/lang/Contract.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/ConcurrencyThrottleSupport.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ArrayToArrayConverter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/SerializationUtils.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/SystemPropertyUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/ParameterNameDiscoverer.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/convert/support/ObjectToOptionalConverter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/InputStreamSource.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/ReactiveTypeDescriptor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/FilteredCollection.java
- * /spring-core-6-2-3-sources-
- jar/org/springframework/aot/hint/annotation/RegisterReflectionReflectiveProcessor.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/NumberUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/UnmodifiableMultiValueMap.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/function/ThrowingFunction.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/TypeMappedAnnotations.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/CompositeCollection.java
- * /spring-core-6-2-3-sources-jar/org/springframework/cglib/core/ClassLoaderAwareGeneratorStrategy.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/SimpleAliasRegistry.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/env/Profiles.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBufferUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/OutputStreamPublisher.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/MethodIntrospector.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/DecoratingClassLoader.java
- * /spring-core-6-2-3-sources-jar/org/springframework/lang/Nullable.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/BindingReflectionHintsRegistrar.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/StringUtils.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/SerializableTypeWrapper.java
- *
- /spring-core-6-2-3-sources-jar/org/springframework/util/AntPathMatcher.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/ListenableFutureCallbackRegistry.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/io/support/PropertiesLoaderSupport.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/MergedAnnotationsCollection.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/env/ConfigurablePropertyResolver.java
- * /spring-core-6-2-3-sources-jar/org/springframework/util/function/ThrowingConsumer.java
- * /spring-core-6-2-3-sources-jar/org/springframework/core/type/filter/AbstractTypeHierarchyTraversingFilter.java
- * /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/predicate/ReflectionHintsPredicates.java

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* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DefaultDataBuffer.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/ClassUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/codec/Decoder.java
*
/spring-core-6-2-3-sources-jar/org/springframework/core/NamedThreadLocal.java
* /spring-core-6-2-3-sources-jar/org/springframework/cglib/beans/BeanMap.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/support/SpringFactoriesLoaderRuntimeHints.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/ResourceBundleHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/SingleToMultiValueMapAdapter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/annotation/AnnotationUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/DataBuffer.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/InputStreamResource.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/CompletableToListenableFutureAdapter.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/TypeHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/BridgeMethodResolver.java
*
/spring-core-6-2-3-sources-jar/org/springframework/util/ResourceUtils.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/buffer/JettyDataBuffer.java
* /spring-core-6-2-3-sources-
jar/org/springframework/core/annotation/SynthesizedMergedAnnotationInvocationHandler.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/CompositePropertySource.java
* /spring-core-6-2-3-sources-jar/org/springframework/aot/hint/JavaSerializationHint.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/io/Resource.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/task/AsyncListenableTaskExecutor.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/SpringVersion.java
* /spring-core-6-2-3-sources-jar/org/springframework/util/concurrent/ListenableFutureAdapter.java
* /spring-core-6-2-3-sources-jar/org/springframework/core/env/AbstractPropertyResolver.java

```

1.233 hikaricp 5.1.0

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* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTracker.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/UtilityElf.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyStatement.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/PropertyElf.java
*
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/HikariPoolMXBean.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTracker.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyCallableStatement.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyPreparedStatement.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/HikariConfigMXBean.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/HikariDataSource.java
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- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/DriverDataSource.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyConnection.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/FastList.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyResultSet.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/prometheus/HikariCPCollector.java
- *
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/SuspendResumeLock.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyLeakTaskFactory.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/ConcurrentBag.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/HikariConfig.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyLeakTask.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/ProxyFactory.java

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- * /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/MetricsTracker.java

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* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/dropwizard/CodaHaleMetricsTracker.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/MetricsTrackerFactory.java
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/hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/pool/HikariPool.java
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* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/metrics/PoolStats.java
* /hikaricp-5-1-0-sources-3-jar/com/zaxxer/hikari/util/ClockSource.java

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1.234 spring-web-mvc 6.2.3

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1.236 asm 9.8

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```
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* /asm-9-8-sources-jar/org/objectweb/asm/ByteVector.java
* /asm-9-8-sources-jar/org/objectweb/asm/Constants.java
* /asm-9-8-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
*
/asm-9-8-sources-jar/org/objectweb/asm/MethodVisitor.java
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* /asm-9-8-sources-jar/org/objectweb/asm/RecordComponentWriter.java
* /asm-9-8-sources-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-9-8-sources-jar/org/objectweb/asm/SymbolTable.java
* /asm-9-8-sources-jar/org/objectweb/asm/Opcodes.java
* /asm-9-8-sources-jar/org/objectweb/asm/CurrentFrame.java
* /asm-9-8-sources-jar/org/objectweb/asm/Label.java
* /asm-9-8-sources-jar/org/objectweb/asm/ModuleWriter.java
* /asm-9-8-sources-jar/org/objectweb/asm/Context.java
*
/asm-9-8-sources-jar/org/objectweb/asm/ClassVisitor.java
* /asm-9-8-sources-jar/org/objectweb/asm/ClassTooLargeException.java
* /asm-9-8-sources-jar/org/objectweb/asm/Edge.java
* /asm-9-8-sources-jar/org/objectweb/asm/FieldWriter.java
* /asm-9-8-sources-jar/org/objectweb/asm/Frame.java
* /asm-9-8-sources-jar/org/objectweb/asm/ConstantDynamic.java
* /asm-9-8-sources-jar/org/objectweb/asm/FieldVisitor.java
* /asm-9-8-sources-jar/org/objectweb/asm/ClassWriter.java
* /asm-9-8-sources-jar/org/objectweb/asm/TypePath.java
* /asm-9-8-sources-jar/org/objectweb/asm/MethodTooLargeException.java
* /asm-9-8-sources-jar/org/objectweb/asm/TypeReference.java
* /asm-9-8-sources-jar/org/objectweb/asm/signature/SignatureReader.java
```

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<!--

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1.237 bridgeutils 1.37.0-r18

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.238 janino 3.1.12

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```
Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: unkrig.arno
Build-Jdk: 11.0.11
Automatic-Module-Name: org.codehaus.janino
Bnd-LastModified: 1707216473825
Bundle-Description: Janino is a super-small, super-fast Java compiler.
Bundle-License: https://spdx.org/licenses/BSD-3-Clause.html
Bundle-ManifestVersion: 2
Bundle-Name: janino
Bundle-SymbolicName: org.codehaus.janino.janino;singleton:=true
Bundle-Version: 3.1.12
```


Export-Package: org.codehaus.janino;uses:="org.apache.tools.ant.taskdefs
.compilers,org.codehaus.commons.compiler,org.codehaus.commons.compiler.
util,org.codehaus.commons.compiler.util.resource,org.codehaus.janino.ut
il";version="3.1.12",org.codehaus.janino.samples;uses:="org.codehaus.co
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Import-Package: org.apache.tools.ant.taskdefs;resolution:=optional,org.a
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Provide-Capability: osgi.serviceloader;osgi.serviceloader="org.codehaus.
commons.compiler.ICompilerFactory"
Require-Bundle: org.codehaus.janino.commons-compiler
Require-Capability: osgi.extender;filter:="(&(osgi.extender=osgi.service
loader.registrar)(version>=1.0)(!(version>=2.0)))",osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-2.4.1.201501161923

Name: org/codehaus/janino/ReflectionIClass\$ReflectionIField.class
SHA-256-Digest: ofOSZ7cSaI1pNaa+jkN+04Y5KPqumbgpLlh9tZj8yKQ=

Name: org/codehaus/janino/UnitCompiler\$35.class
SHA-256-Digest: OhFSTj6e5N2kZfgJdQ6AI4hKMO3zfabM0me3k0fpDSg=

Name: org/codehaus/janino/IClass\$1.class
SHA-256-Digest: Yrk2Ls+qNEaM9zSLia065qbWbBzz63ROEGN4QKLLT/c=

Name: org/codehaus/janino/CodeContext\$LocalScope.class
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Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$5.class
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SHA-256-Digest: AURKKU5xbkA/yc6Ruyq9eI3LRhj8ZV2M25U/I25yQ5k=

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Name: org/codehaus/janino/Compiler\$2.class

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SHA-256-Digest:

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Name: org/codehaus/janino/Descriptor.class

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SHA-256-Digest: +tt9PyrAwWXQ0u0uL5NLu1DVyu9veoDHcigsmudXA20=

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Name: org/codehaus/janino/Java\$InterfaceDeclaration.class

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Name: org/codehaus/janino/Visitor.class

SHA-256-Digest: hRjfemxN1bxGxyXCcy/EoQTC599hgYTNbE6D5NWoa24=

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Name: org/codehaus/janino/Visitor\$LvalueVisitor.class
SHA-256-Digest: VS/YAMKWizpF1t8/dZop80NudH6wxw8nyUEm/bWaoA4=

Name: org/codehaus/janino/Java\$OpensModuleDirective.class
SHA-256-Digest: OXB3PEF9wmgmUoi8/5FH30liQe7+WnNdUSCZuFvA+M8=

Name: org/codehaus/janino/Java\$AssertStatement.class
SHA-256-Digest: lQ/6nhzP47oYyEW0aK7sOZv3AefV4j2GP+1TNuo+4+A=

Name: org/codehaus/janino/Java\$AbstractClassDeclaration.class
SHA-256-Digest: vKB1jao6laYtbYiiNaK7RLUvLxibpGrJyUD1DDdvORk=

Name: org/codehaus/janino/UnitCompiler\$16\$1.class
SHA-256-Digest: 7QRKkajbqevz3tTwughZfABXCir6vWFapRBztPTnQLY=

Name: org/codehaus/janino/util/DeepCopier\$12.class
SHA-256-Digest: 7v1GvZUfBZhtXSEPBNINnipLXRdOqU6G5ODptWBQaww=

Name: org/codehaus/janino/Java\$FunctionDeclarator.class
SHA-256-Digest: 9Ns3EUMi3vyNRthfFe5N2SM4OR8lSgYS9uSRUnAfMWs=

Name: org/codehaus/janino/Java\$ProvidesModuleDirective.class
SHA-256-Digest: LFR+ayl22PVOhIFr0WsuoanJoNQI7GJ6B8TwKf+kqnU=

Name: org/codehaus/janino/Java\$Located.class
SHA-256-Digest: uv2T9ySM3zDZW6yzfGPhTJkN9X0tOvxr5vpXuCmzQY4=

Name: org/codehaus/janino/util/ClassFile\$ConstantIntegerInfo.class
SHA-256-Digest: 50HLTVpipoxiCXnvHk2HSHXShFmKTOHl2P062R9Z0/w=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$7.class
SHA-256-Digest: UomHgTPsDqjcDUTAlfHViA1qTJvU/HcBXVY1Tc48D9U=

Name: org/codehaus/janino/Java\$UsesModuleDirective.class
SHA-256-Digest: HJ2FhYkG1sl7N8V+D6DiXaJImWcSzaPzS0M6Kqaxoxw=

Name: org/codehaus/janino/Java\$BreakableStatement.class
SHA-256-Digest: Mh6YUwh3FWYuXgMZkIw+VcYH2y06ZhyYmYIkW4XNkBw=

Name:
org/codehaus/janino/Compiler\$4.class
SHA-256-Digest: MvkKdgo+8Ylp0JYGz9s6qvGvIBhlRaFe5pSBcdCZMeI=

Name: org/codehaus/janino/Java\$Type.class
SHA-256-Digest: vn8Xftrh48xGQEkWbFAs/ksAbAHpAbTfzrKH2/Ba4i8=

Name: org/codehaus/janino/samples/DeclarationCounter.class
SHA-256-Digest: xO5w7lth06+Oc3HuX+JlZVOIUuQE2tkd5qRM86z916U=

Name: org/codehaus/janino/util/DeepCopier\$8.class
SHA-256-Digest: L+E/RFdmPOnOu15OsdznDIBd4Opqpq4aLCfVeYOPURE=

Name: org/codehaus/janino/UnitCompiler\$30.class
SHA-256-Digest: kH8nhN7PMvizQ2cdHPkdfPbAVPuFvVTktKN01Ojk4V8=

Name: org/codehaus/janino/util/ClassFile\$ArrayElementValue.class
SHA-256-Digest: 5GV6t6PWBWCgHawQyIT6yTYEBmkj3R69AacucrVKLCs=

Name: org/codehaus/janino/JavaSourceClassLoader.class
SHA-256-Digest: i+E3mhf1fQhiuMDfZMPu/gK3SlOrJt7mmNWTsDv//iw=

Name: org/codehaus/janino/util/ClassFile\$InnerClassesAttribute.class
SHA-256-Digest: rI307bj9eO6LSrRcSuK+LNZs37S7qLosGbNWtA5ihB4=

Name: org/codehaus/janino/Java\$ModuleDeclaration.class
SHA-256-Digest:
zq9LFz4x5hjeb+GTr0nJrNESEgMX/T2tqrUs8ilypU=

Name: org/codehaus/janino/UnitCompiler\$28\$2\$1.class
SHA-256-Digest: I6qkA7qLAaCwVGJBiADAl/t706p1nMLGoTzIKOT81qw=

Name: org/codehaus/janino/util/AbstractTraverser\$2.class
SHA-256-Digest: Sc66KYHIBKxC3ue+Uux+lzX+aFtn0Io0yuOqigkAGz8=

Name: org/codehaus/janino/tools/HprofScrubber\$Sample.class
SHA-256-Digest: 6NXzmTtIzrkVOUX+sAiygvy4H6b9P3EaIGrB3y2lfBw=

Name: org/codehaus/janino/Java\$ElementValuePair.class

SHA-256-Digest: aJpUBVa7yKf4rN8aO7f3ehapkc1szSJ2QshLbK7Cifc=

Name: org/codehaus/janino/Java\$ArrayLength.class

SHA-256-Digest: r9g8VPraERpI5cefMWMYIMwSUaaxgdtHgPL5oII2vx8=

Name: org/codehaus/janino/Java\$TypeParameter.class

SHA-256-Digest: Bn9OBfjhwW4bn3MO4ozlp/+LPZtagfDoU6AltCxIHoM=

Name: org/codehaus/janino/UnitCompiler.class

SHA-256-Digest: lpRdEsdRoBhgLFRI3V0eE7PUOxTWt5XWXzgdW+VeOSk=

Name: org/codehaus/janino/Java\$TryStatement\$VariableAccessResource.class

SHA-256-Digest: hXXOP9pe9mht68JZ+enKdxPVOFS45o0wi6wzLDiRD4k=

Name:

org/codehaus/janino/Unparser\$2.class

SHA-256-Digest: 0d6eqQu9orUr2G3+VST5XRCZ/74MVntvVnZ6hCnPeRQ=

Name: org/codehaus/janino/Java\$AnonymousClassDeclaration.class

SHA-256-Digest: Mh5nVdY34zDm3edMn+B6A6Z37pqqQ4E0/ODIC8BQZIU=

Name: org/codehaus/janino/Java\$ExportsModuleDirective.class

SHA-256-Digest: ZcXSzNKrbky4eg5OqoWiAGdb28Szm6qlcJCwyT8vb5Q=

Name: org/codehaus/janino/Java\$ReferenceType.class

SHA-256-Digest: 3g6ZsN7siyqdc/kw3HRFlu3i6ofy/xZqX/H0Brh9/68=

Name: org/codehaus/janino/util/signature/SignatureParser\$ArrayTypeSignature.class

SHA-256-Digest: psx02yrn0x+kdWbOSUrMmqvQnEGqsobxm2jyiQ1U99A=

Name: org/codehaus/janino/util/AbstractTraverser.class

SHA-256-Digest: nH6+umtJv8uhXgbyRcZCOnZu+RzvQDRIM2Oi8ZlN0Xs=

Name: org/codehaus/janino/UnitCompiler\$19.class

SHA-256-Digest: u7ORGtVsRXxlXHwmqRHoPsP4uWY7KsOYPsaEKmMtKas=

Name: org/codehaus/janino/IClass.class

SHA-256-Digest: Ipe1yE2vUmzRWlOakZKdxkXALyD/0ZvFye1hqJBB+9c=

Name: org/codehaus/janino/Parser\$MethodDeclarationContext.class

SHA-256-Digest:
jatsmjHogAFaMNJS9J7ZqxsVHzoTirTZmruC8KFR/Bo=

Name: org/codehaus/janino/UnitCompiler\$24.class

SHA-256-Digest: QtLTUndql0qNUJvpdu/Dhyk6tlP5KBEAyafpk7vnEeU=

Name: org/codehaus/janino/ReflectionIClass\$ReflectionIMethod.class
SHA-256-Digest: 4SAYm1AlZkgEm9vGaLTPa82AGS8V4i3Ns5j1svVz3GY=

Name: org/codehaus/janino/util/ClassFile\$LineNumberTableAttribute\$Entry.class
SHA-256-Digest: zE252RDPnkXCOWXDahKnwncJwSstG4TTPy56uZodC4w=

Name: org/codehaus/janino/UnitCompiler\$17\$1.class
SHA-256-Digest: dMSrHkax0/ZH6Dwki1ZeJKo/9EMlii82iOSjVJmgAqQ=

Name: org/codehaus/janino/UnitCompiler\$3.class
SHA-256-Digest: tD7bISdKwW6YwgNzB+017UIbSCfkkFagW14/k8hv7C0=

Name: org/codehaus/janino/util/signature/SignatureParser\$MethodTypeSignature.class
SHA-256-Digest: X82bqlAdAy85rnn6hgCMusghZjwsq60EWGgjCU6acSM=

Name: org/codehaus/janino/Java\$InnerClassDeclaration.class
SHA-256-Digest: FVTOaaezwUOtLQUxtgM11kbGm2s+Z4qaHBQyO4GvpIg=

Name: org/codehaus/janino/Java\$EnclosingScopeOfTypeDeclaration.class
SHA-256-Digest:
WseRyhHzYF7l+PdJop0SKTog1/yDPs5vRUB9fFcL2Kw=

Name: org/codehaus/janino/Java\$TypeDeclaration.class
SHA-256-Digest: Zl97vHNNvjU/q1SNXbKHNCwF9wTGGTFXEoi2e6oT5iM=

Name: org/codehaus/janino/util/ClassFile\$ConstantMethodrefInfo.class
SHA-256-Digest: 7c9lv3W7a/Tj8Ie0LLj6mg1lR3gtWLua6JfxaomKGyg=

Name: org/codehaus/janino/Java\$CompilationUnit.class
SHA-256-Digest: mcnJcDY/wp/o/C85yNE/IgDJyBbHbkZ8cpKdIWQwA3Y=

Name: org/codehaus/janino/Java\$BreakStatement.class
SHA-256-Digest: fKzQ4jXbhkbm8PrnRqViPMS6Jio/94Ol4P29sCqa5Nw=

Name: org/codehaus/janino/UnitCompiler\$18.class
SHA-256-Digest: ssLxJu/HP+M+MX++D5fpR7r9JNXBogw9RpFdX0vr7JQ=

Name: org/codehaus/janino/util/signature/SignatureParser\$2.class
SHA-256-Digest: FKQgvM414PtH0oTR5e4xnrHEua1BHaxWAnRBWPUgSMY=

Name: org/codehaus/janino/Java\$Package.class
SHA-256-Digest: JXAUhRTjaLxmNfJgfEvr1kBmnAZ7XYKZtwAKlHaR5GA=

Name: org/codehaus/janino/UnitCompiler\$9.class
SHA-256-Digest: ze/mjGrkvWzPKPlycY00ppomGyESK8Z+GhVrmMHfv4I=

Name: org/codehaus/janino/Java\$AmbiguousName.class
SHA-256-Digest: 28PqHza6oNF1xthIWzDyC9fdCLhYZCtXiJuNZRxW0yM=

Name: org/codehaus/janino/UnicodeUnescapeException.class
SHA-256-Digest: IYsRGOywwJjhU34iHRNUkYTgTzVCkUPksckasCrdxZ8=

Name: org/codehaus/janino/Java\$ElementValueArrayInitializer.class
SHA-256-Digest: qqvB7OvEpSwrxzIDqWmI5qyQUHgE+JckdsMRFWAlxTg=

Name: org/codehaus/janino/Java\$PrimitiveType.class
SHA-256-Digest: CkjnsRVzyJ/bjDqpeSWJXO0sjpJbP/355Uih8wZfctc=

Name: org/codehaus/janino/UnitCompiler\$ClassFileConsumer.class
SHA-256-Digest: HLbGPuZnn0GChNtw4+bMUa2qacpwf14tDDpZRaoWt/s=

Name: org/codehaus/janino/Java\$NewInitializedArray.class
SHA-256-Digest: I1zlDe5ihUB9ZmHbHW+BBPCwvNcwMTHSfyhG9miEZqU=

Name: org/codehaus/janino/util/AbstractTraverser\$7.class
SHA-256-Digest: QRYOPswL2iHtPr2Gen4ttZfXrMJw+/lP4jRKlhRZ0p8=

Name: org/codehaus/janino/Java\$NewArray.class
SHA-256-Digest: g77IxdS0j60Fm09gQCbajMISFnMVLbvqfOHibAdezPc=

Name: org/codehaus/janino/Java\$ContinueStatement.class
SHA-256-Digest: J9BeHEqSf1mV2UVZ0bQrh1jc/wE5QRvbimOvdQwqJXE=

Name: org/codehaus/janino/util/ClassFile\$ConstantValueAttribute.class
SHA-256-Digest: 3L4wS943HC00rWPxr7obIFobWKSzB2HW1fCtYGFsQD8=

Name: org/codehaus/janino/util/ClassFile\$ConstantDoubleInfo.class
SHA-256-Digest: bbDjvU/D7sgUwdW4xQZJpO8DjTAWlRAot54KR5b+06k=

Name: org/codehaus/janino/Java\$TryStatement\$LocalVariableDeclaratorResource.class
SHA-256-Digest: BKdTldLr3/2uZBBAsK4xpqo7/X780NbaeFanbkzhQek=

Name: org/codehaus/janino/Java\$BooleanLiteral.class
SHA-256-Digest: kHLtM1TowiHxWnx+q6VhBCFqOqYlXrKDzPi1afDZvuY=

Name: org/codehaus/janino/Java\$Padder.class
SHA-256-Digest: kwA1tvhu+9aROmz/pQCup6bAt04pIY5vGPcZdcA8CFs=

Name: org/codehaus/janino/util/DeepCopier.class
SHA-256-Digest: mAMnfKUjkgKMahk8mD5scEKUIZl80RpUSoZn/Pm4qms=

Name: META-INF/maven/org.codehaus.janino/janino/pom.properties
SHA-256-Digest: 1f/vvjX3kw1gZHu5DXax4chk8a5XExxUIMACTC9CQQ=

Name: org/codehaus/janino/Parser\$1.class
SHA-256-Digest: yRWpLxE73dC1FdMAPzfjrMaEsS0ghP63LWxd1S9jrP0=

Name:
org/codehaus/janino/ExpressionEvaluator.class
SHA-256-Digest: q/kz2R21uZhS0Ntj7NNtjGfq3abh1Y6QqhOD25rfr4E=

Name: org/codehaus/janino/MethodDescriptor.class
SHA-256-Digest: 0pOqbxkxIOeCZNbTSGeQjmqLZOdsqo4+DmV4cz2h8B8=

Name: org/codehaus/janino/Java\$Assignment.class
SHA-256-Digest: zM3r+DWFvItUaQurvtqqUfWT919aTBhCetiaLBIIcvs=

Name: META-INF/services/org.codehaus.commons.compiler.ICompilerFactory
SHA-256-Digest: /B4rVKhH4KDIEeVF4EOJ/rxo1+SlSuBPFw88hClhQfE=

Name: org/codehaus/janino/Visitor\$AnnotationVisitor.class
SHA-256-Digest: yuQZ8OVcDmkGzRItn5qLzu6qucnNgY/BE2hCf8QTuNE=

Name: org/codehaus/janino/tools/HprofScrubber\$1.class
SHA-256-Digest: jSL/m65D+KTCfOUy3eg0PWY/Fhud01+r14h+acTuqww=

Name: org/codehaus/janino/IParameterizedType.class
SHA-256-Digest: qRPl9Fkx87UZTDa68W6Ur40EmKxGBOGCrWiLZgMKAp8=

Name: org/codehaus/janino/Visitor\$RvalueVisitor.class
SHA-256-Digest: SmSjKU6ohfgTRoGRo+OJRoa/el1nXnkjZ9Br3Q3kKP0=

Name: org/codehaus/janino/Visitor\$ModuleDirectiveVisitor.class
SHA-256-Digest:
AIwWoeesjhvPStASQrIbl+kM6IxBkBa3WQw4Fw23yzE=

Name: org/codehaus/janino/UnitCompiler\$8.class
SHA-256-Digest: X4I6pSOoh4c/i7GLyyfLH0OFSoikj/XI1CZu2EAE99s=

Name: org/codehaus/janino/AntCompilerAdapter.class
SHA-256-Digest: RBkMIMcamLRfOv/ZcKhTeqZ/Vd9IWL8f/TOpOzxhrdc=

Name: org/codehaus/janino/Java\$Located\$1.class
SHA-256-Digest: EXNQcDuQH8/UOCgIt8VEzIv69NURxgKMAWB+FbZ4cBo=

Name: org/codehaus/janino/util/signature/SignatureParser\$TypeVariableSignature.class
SHA-256-Digest: pVV+X1Upk45h7TtEqRu01TZ1DJ+kZPddSyO3XmvJcOw=

Name: org/codehaus/janino/util/AbstractTraverser\$11.class
SHA-256-Digest: BDu7QAi18ura8SV9XrrETLmRNGlgv3YZPtSj1p9ykqI=

Name: org/codehaus/janino/Visitor\$TryStatementResourceVisitor.class
SHA-256-Digest: cytJ3JY7B9ITcyP09RQVb6QCkjBXtrNwJ3lfnzYxBck=

Name: org/codehaus/janino/Java\$MemberTypeDeclaration.class
SHA-256-Digest: qyeAoING7Ced411A0kBkJPvgHeIrr+UoXy9ALvoummI=

Name: org/codehaus/janino/Java\$SuperConstructorInvocation.class
SHA-256-Digest:
X4J85R2C9BQNJvETgXmTsEkqIRtGhPYJk1F/e8H+68o=

Name: org/codehaus/janino/TokenStreamImpl\$1.class
SHA-256-Digest: djsCCZ2vVVnK9hOX1HORlslfZPZLo2S9yfPZMih/hu0=

Name: org/codehaus/janino/Visitor\$LambdaBodyVisitor.class
SHA-256-Digest: 3GJrAENIO4AtHFgkPtcJTjrB3vlfIGbZAhUQ6qXUw=

Name: org/codehaus/janino/ClassFileIClass\$5.class
SHA-256-Digest: CnOHbtejDz92LXuia61nFvMSIUt8nJUQaEAy0J6zS8c=

Name: org/codehaus/janino/UnitCompiler\$20.class
SHA-256-Digest: WZe6MxbGOftbsgfQLzXNWQ/9VH5XIWkErpdLO2qB4as=

Name: org/codehaus/janino/util/DeepCopier\$16.class
SHA-256-Digest: yqGfk0iW/yj2RLpHY1YCJjRZ0Pbc/h+5ILuEamt4i/U=

Name: org/codehaus/janino/tools/HprofScrubber.class
SHA-256-Digest: c7Z5Dt7ifYly93+SM6wtUa/fePXN0i8Vs3Pq4EIAZc=

Name: org/codehaus/janino/util/AbstractTraverser\$5\$1.class
SHA-256-Digest: 1TfCvEVn5v55U8l6SyABNgunWNYW/odXvIjd1L+iw/k=

Name: org/codehaus/janino/util/signature/SignatureParser\$Options.class
SHA-256-Digest: OywgLaKbqylXXp6d70vEubD039ylWfdFB8OtPGZazWQ=

Name:
org/codehaus/janino/util/ClassFile\$AnnotationDefaultAttribute.clas
s
SHA-256-Digest: 3jwflTDSZH7YjPYciOUjPTGxdXan1uuEqcQdbUdB3CY=

Name: org/codehaus/janino/Java\$BlockStatement.class
SHA-256-Digest: Og+d3CpAy8MfHNZj/O3sPpHa9yKEEK+dMLy0Ll8ConU=

Name: org/codehaus/janino/UnitCompiler\$2.class
SHA-256-Digest: A8kWi4wcw0NTAOudJoOHFI13Z9CQctt+NqgnX7gDHFk=

Name: org/codehaus/janino/util/DeepCopier\$15.class
SHA-256-Digest: 5xbQ2bEO4SrE9oBe1OzCY3uaz1Fmlkn+/MEE/tQgbK0=

Name: org/codehaus/janino/ClassFileIClass\$4.class
SHA-256-Digest: dy7cw2i8Xz5I9AZohnhSKppWb0y3Rg1R23ymqGAP+rQ=

Name: org/codehaus/janino/util/AbstractTraverser\$6.class
SHA-256-Digest: l3xCZUyf8NxMuTf+RMgQ8y9u1/1Y4MEkrMVvcMFymcs=

Name: org/codehaus/janino/Java\$Instanceof.class
SHA-256-Digest: U4cy9mLeDgFFkdp3qRrVFGXPcNaJiRxUFYbMNMTSKRE=

Name: org/codehaus/janino/Java\$TypeBodyDeclaration.class
SHA-256-Digest: +hwzxPKvbyj/t74MC8dvnUHco869VV84a5zbdqQabak=

Name: org/codehaus/janino/IClass\$IMember.class
SHA-256-Digest:
ZE/7CB/CHeeuWYy6soOFmCsOljmbXohSqtjWLo4OjM=

Name: org/codehaus/janino/util/ClassFile\$StringElementValue.class
SHA-256-Digest: bbx/xuP3wBkURBrFJ0CY3rOMarHJ2XQ7s5hBicu2x0k=

Name: org/codehaus/janino/Java\$RvalueMemberType.class
SHA-256-Digest: BctTTuI+L9LxWUpqSDv2mOPhk0LyYnk2y5gPDb+f69k=

Name: org/codehaus/janino/ResourceFinderIClassLoader.class
SHA-256-Digest: zPF7fDajwuREoLU4a9oKYssxneIPpVdLIY1iBCItwcQ=

Name: org/codehaus/janino/Java\$Annotatable.class
SHA-256-Digest: YehuCqSnwPGJQpQfTZmLDI/cZNoolCQ8D8co2FmhgFk=

Name: org/codehaus/janino/CodeContext\$Offset.class
SHA-256-Digest: Mhhd8EBLDcH/Ab0VWbuZm+LOSN+0J3eTOFNrwbveUrk=

Name: org/codehaus/janino/Visitor\$AtomVisitor.class
SHA-256-Digest: p3DrZWVylI8a+a89owX1CF5nuxJfg+0wWU3LOknCu1c=

Name: org/codehaus/janino/Java\$FieldAccessExpression.class
SHA-256-Digest: 7y2b+c1RYFucI2CqlS1BXY2YaxU/TA7bJMiZQ/9sPa8=

Name: org/codehaus/janino/util/package-info.class
SHA-256-Digest: i8U8rLZp0cIsLgheAxKXmR0xjEybbeOjFrFPXt6R8=

Name: org/codehaus/janino/Java\$PackageMemberAnnotationTypeDeclaration.class
SHA-256-Digest: V2MkOv/iWNYghk7631czQA0gsmcxe7t+eugttcRBRn8=

Name: org/codehaus/janino/Java\$Modifier.class

SHA-256-Digest: 5IIp03WsZ8jDFQuZnL8Y4YGkzZhv/wNQhfz0R5KIse4=

Name: org/codehaus/janino/util/signature/SignatureParser\$SimpleClassType
Signature.class

SHA-256-Digest: PntGWzzz1Qw7Ca2W/UNwil0+346OHR2+GsOHPXfHc0I=

Name: org/codehaus/janino/Java\$ConstructorDeclarator.class

SHA-256-Digest: pKQ/Kg4eO68A628qmHIW61BRBHX2MDvLyJComOQQgVI=

Name: org/codehaus/janino/UnitCompiler\$31\$2.class

SHA-256-Digest: lpPrBUWqPK5DaRqRszviESeSw+sZkq3eZg2hjSb4Olg=

Name: org/codehaus/janino/util/signature/SignatureParser\$ClassTypeSignature.class

SHA-256-Digest: eFiM5TtbHBLolpn83w8mlaKeA0D1QppMtOF4HD51nlU=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute.class

SHA-256-Digest: 0Q3CwJO+iITgTB77SecsazpjxEyVu0G95ys0zHfqN5s=

Name: org/codehaus/janino/util/ClassFile\$InnerClassesAttribute\$Entry.class

SHA-256-Digest: skO2e5pM5fGeuT5lSXCEGNS6/Wggd6eKmKPJvYEkbko=

Name:

org/codehaus/janino/StackMap.class

SHA-256-Digest: /9Rko6qntikUXqlViNQ+GwFR1iT8qQHq0lEHmsWnNKo=

Name: org/codehaus/janino/CodeContext\$Relocatable.class

SHA-256-Digest: wS9FyX0bHSjuCkl+8pY+PZYEW2MN+rA3u+sM+Tj22MU=

Name: org/codehaus/janino/Java\$ArrayType.class

SHA-256-Digest: CL/djwEABd11+3QJs6b+5j8QAJkXSUDAEPgmY83nsg0=

Name: org/codehaus/janino/UnitCompiler\$7.class

SHA-256-Digest: qbOpDOC7pSjyQrQ/b1L06CufRGIDRBTFN4ioLTN6S5M=

Name: org/codehaus/janino/JavaSourceClassLoader.class

SHA-256-Digest: EVvw3EEeS09c2QsanlwiEYtEwMiSl35Ytr6n2J0Qws=

Name: org/codehaus/janino/util/signature/SignatureParser\$1.class

SHA-256-Digest: jxg4kgKDg9wTUjjWydtZd+7OCUbscye0chje3jqqmDE=

Name: org/codehaus/janino/CodeContext\$Inserter.class

SHA-256-Digest: 2CcCDDaMpMW5/vZG67+GdSwqxFWT19upMPgYWCX5foU=

Name: org/codehaus/janino/util/charstream/StringCharStream.class

SHA-256-Digest: oSxKDNxFKJVhYh2XfcOaQ87XN+Npjw7Rlqkee7Q/EC8=

Name: org/codehaus/janino/UnitCompiler\$11.class

SHA-256-Digest:

rRWaqOyfNxO05/cp6ETDEK30VujVxOWdQmzgCS6WZkI=

Name: org/codehaus/janino/Compiler\$4\$1.class

SHA-256-Digest: A6d5KKd/jkczOmbxsxFZaOi4Ih2jVen5x13cree9LE=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$SameFrame.class

SHA-256-Digest: OREViZG0UIDfA5IW0TeDXaXdJPR1p/Mjq9XVVS41ij8=

Name: org/codehaus/janino/util/DeepCopier\$17.class

SHA-256-Digest: SImslHJg4DwQgozaSScFdLt9qQfGgmmCsTm97smY0GA=

Name: org/codehaus/janino/UnitCompiler\$14.class

SHA-256-Digest: Zbf8PHF7My+lPnCjGcziosPO4lGrFlNoTv0kE+QG2XA=

Name: org/codehaus/janino/ClassFileIClass\$6.class

SHA-256-Digest: b/hBweARduDw44CSi7Ae+9AQDjTvdAvwHDGNyz7sdl4=

Name: org/codehaus/janino/IType.class

SHA-256-Digest: z2yCXH9AYUyUx2aIqHI+P8At67652dwgSxQok7HgldU=

Name: org/codehaus/janino/util/ClassFile\$LocalVariableTableAttribute\$Entry.class

SHA-256-Digest: ZzMeDXw0btMybO0BZuzGCyBj7cYbblmr+bS/xmV3fdw=

Name: org/codehaus/janino/util/ClassFile\$SyntheticAttribute.class

SHA-256-Digest: FDv8+hb4nAfUWlsuhyRJ5oF0Fj5BzFDU0hQBLGJAJeo=

Name:

org/codehaus/janino/util/ClassFile\$ConstantUtf8Info.class

SHA-256-Digest: VYkRnqLYzgSJ+ZR7zqC4V/PQDDbWTyZhPggcSrl5mXw=

Name: org/codehaus/janino/IClass\$IConstructor.class

SHA-256-Digest: S19H03w90f2TRYeKcAcgxlPBYPKQWCMAeTC4B6j+FQ=

Name: org/codehaus/janino/Java\$SimpleType.class

SHA-256-Digest: +ErmqJjfqf24JHQvN9tYCmlPoNWTIuaL0KgDpbB/wxA=

Name: org/codehaus/janino/Java\$ThisReference.class

SHA-256-Digest: Hao5TYDjYzpgDwwlTkaS2j6E5i37+iPGb4MMx4uPt8U=

Name: org/codehaus/janino/util/AbstractTraverser\$8.class

SHA-256-Digest: Z+pTg7fxJoTAVQitEIT0FMNFFdKOurGlVaZhGgNFmMA=

Name: org/codehaus/janino/UnitCompiler\$SimpleIField.class

SHA-256-Digest: MI4WAc+zS7wStMN6dazd7hKefVER2fu2isZF5zibYVo=

Name: org/codehaus/janino/Java\$BinaryOperation.class

SHA-256-Digest: fMybLTTA6tts1POjYQ+2fLgJhOuctDmOoc8iAFzgMec=

Name: org/codehaus/janino/util/signature/SignatureParser\$4.class

SHA-256-Digest: OYidRLdk9ysmY/RcldLeOqoRKXTAivXczBMnYpjV+8Q=

Name: org/codehaus/janino/Visitor\$ArrayInitializerOrRvalueVisitor.class

SHA-256-Digest:

OgAwiuCCjpwSq4sPWNqUftz7ywKaRFBPELSkODgUQE=

Name: org/codehaus/janino/UnitCompiler\$13.class

SHA-256-Digest: 5x2Uda+mK2pjDLQINizfoqCkrXD10TICqo9YfL/jdag=

Name: org/codehaus/janino/Java\$FunctionDeclarator\$FormalParameters.class

SHA-256-Digest: otynIT83XQsNo82WBixPhcrFlXQERWiUfFzogB8lOB8=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$ChopFrame.class

SHA-256-Digest: /P6CPMKW/ZSh9GykNtV2So96gt2SwGWzLqPXAf4ANU4=

Name: org/codehaus/janino/UnitCompiler\$4.class

SHA-256-Digest: JCc+Wr07CT+vSDrCxWw8Lf3BsQxVZCB5F/P+qi+u+Ng=

Name: org/codehaus/janino/util/ClassFile\$ShortElementValue.class

SHA-256-Digest: nW07viyeAsnqxQsCJnzV1oIlWUkBI1aOxxXk+LQCqfc=

Name: org/codehaus/janino/ClassFileIClass\$7.class

SHA-256-Digest: GzoKYxwKQbyV08SxuOd+vjd/btMjLY9EGsSpNsLZVs=

Name: org/codehaus/janino/Java\$Primitive.class

SHA-256-Digest: WP2rQUdskbJxV4s8l7LQj+riOrKgUjMdPAR1Rxt7Ry8=

Name: org/codehaus/janino/util/AbstractTraverser\$9.class

SHA-256-Digest:

rSSV6Iehvz/p4MKxUEOW3qmueIrSepEnJCcwrVffAUy=

Name: org/codehaus/janino/Java\$ArrayInitializerOrRvalue.class

SHA-256-Digest: sqApJ4ZsroVyw46maD1zSM4l3vB8s0H6oS+zbVbatjQ=

Name: org/codehaus/janino/util/DeepCopier\$18.class

SHA-256-Digest: rRt3/a1PyzI9Zyn92J8m7EKj3+JrlxMqkOvLBW5iSfQ=

Name: org/codehaus/janino/Visitor\$BlockStatementVisitor.class

SHA-256-Digest: u8fO5w8CbOsTrDc7qHqZqh1IBwlXQnGF9EEFssW/Xlw=

Name: org/codehaus/janino/util/signature/SignatureParser\$ClassSignature.class

SHA-256-Digest: U4wQ3iVtPgJUwW7MGZQ0hlqeUdP/vnj7AGChzH/xRG=

Name: org/codehaus/janino/Java\$Lvalue.class

SHA-256-Digest: Aqe3FL6yEFHBMwVtaSS0x928K0j5EhTNRfkACmvFxf0=

Name: org/codehaus/janino/ClassFileIClass\$2\$1.class

SHA-256-Digest: byMyvsFqGUGL6vVgLJkgxEw6uxmRIsQFGQUJo89yIFU=

Name: org/codehaus/janino/util/signature/SignatureParser\$SignatureException.class

SHA-256-Digest: aespNa/+ApSMqvTkD1+UEtMsIEqDV99kzd1mXJZxZrI=

Name: org/codehaus/janino/Mod.class

SHA-256-Digest: CVMW4E342ufw+qFhNCN0JgbO+G9w68jkmrgmCfdbCU=

Name:

org/codehaus/janino/util/signature/SignatureParser\$3.class

SHA-256-Digest: oGJ5eKTHhvM4tJXYiO3z7nB+bVvFzSVA6a529NGENZo=

Name: org/codehaus/janino/CachingJavaSourceClassLoader.class

SHA-256-Digest: Z5poyEza/T+RZBwNix7K0dbZMxBLmpWlbfxoqBcDmLY=

Name: org/codehaus/janino/UnitCompiler\$12.class

SHA-256-Digest: FXymxxAmK54DIsbxjFyhfbIbo4C9vCZTvLeSyuFfD58=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$StackMapFrameVisitor.class

SHA-256-Digest: avBZARS20hxUjeQEEpPEsgBTYb417JVA06jBY1hwU0o=

Name: org/codehaus/janino/UnitCompiler\$5.class

SHA-256-Digest: AoOokY80GWwFKObmdHKGHIGItg+7xQ+CJvTGK84ljvM=

Name: org/codehaus/janino/Java\$TryStatement.class

SHA-256-Digest: H4xXKvT/BW9FgDIgoT6iayEtmP4GyCj8pNRwDVGOJ4s=

Name: org/codehaus/janino/TokenType.class

SHA-256-Digest: koUfzJ/KGTtVaNsIDRNBZ7phiTGxU+is5VAPlxdj2Y0=

Name: org/codehaus/janino/Java\$ArrayCreationReference.class

SHA-256-Digest: ombbXelcJLXhfihIqO4RoaJjZaPWSurnHX3hCCOWdjo=

Name:

org/codehaus/janino/Java\$AbstractCompilationUnit\$StaticImportOnDemandDeclaration.class

SHA-256-Digest: E8CWrrfSAxHErnL3/HU69HyFFC9VO+bz3o47vTxHNvU=

Name: org/codehaus/janino/util/ClassFile\$ElementValue.class

SHA-256-Digest: hWUawFQtL7UshZ1IzMc+xyfAo5bvVhLEwfqEHbuhIXM=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$SameLocals1StackItemFrameExtended.class

SHA-256-Digest: Fq2ysQrVT955SFF1sojnkRiGaBOVZHJw06JenTrgi+4=

Name: org/codehaus/janino/Java\$NamedClassDeclaration.class

SHA-256-Digest: RlEwF6xFuR/Q/NHW/ochp/u0R+EQNtVgHulyrSvro58=

Name: org/codehaus/janino/tools/package-info.class

SHA-256-Digest: Bl+oo8UDT4xO51eDDDtGivTcceW5FV9dmlQdMcsLtBY=

Name: org/codehaus/janino/Visitor\$LambdaParametersVisitor.class

SHA-256-Digest: nSC0HABE6HiyfXOLnCLIK/F73XaUw/YRegyDgPgWWSQ=

Name: org/codehaus/janino/util/signature/SignatureParser\$FieldTypeSignatureVisitor.class

SHA-256-Digest: 80dkTysNUjxBUM6q1rXrEmjquVbY9uSevn/mH2eHP5M=

Name: org/codehaus/janino/UnitCompiler\$15.class

SHA-256-Digest:

CTtYwyolDv1q4h0fskWW2YbLjMPpTyiBqD0pg3EyjwA=

Name: org/codehaus/janino/Unparser\$6.class

SHA-256-Digest: M78qiEZ8VDCRkXmqtdRA4Fhk1sNujycCqsHSNVyv/TU=

Name: org/codehaus/janino/UnitCompiler\$6.class

SHA-256-Digest: PzDjWfWQrs7U4k3SrcqW8QpaPQWR9qtKwQj13Y1O6QY=

Name: org/codehaus/janino/Java\$IdentifierLambdaParameters.class

SHA-256-Digest: Jvow7aF6SYx6ja6m6n05yttYsBqSOsaM8mKq5Q61q5M=

Name: org/codehaus/janino/Java\$Literal.class

SHA-256-Digest: 2c6a8YyRt4FrvWoM1QiHKeThfg0qPxTUutLTwTpDI3E=

Name: org/codehaus/janino/util/ClassFile\$DeprecatedAttribute.class

SHA-256-Digest: hOZxwKcn6FD5w1e3ULTuLal/Yeh/zgYtcJiL5VCvzV0=

Name: org/codehaus/janino/tools/HprofScrubber\$Site.class

SHA-256-Digest: UONQtNrbLYzUHJy2u5POVdoDgqBmPJZ8BJTv+4DznXE=

Name: org/codehaus/janino/Java\$MemberEnumDeclaration.class

SHA-256-Digest: FH+WzkJNRs4LucPx6iJTfb1qm16WZazt2XW+izVZAHc=

Name: org/codehaus/janino/Java\$EnumDeclaration.class

SHA-256-Digest: NKdSiLL8TF5brnrhh9JS+lCSb8H9gKKP3wVbtQ9O0hI=

Name:

org/codehaus/janino/UnitCompiler\$28.class
SHA-256-Digest: 252L41TK6iIEUi2kk9nfsVMrwWaj8CwNNQRE6r8rbU=

Name: org/codehaus/janino/util/signature/SignatureParser\$PrimitiveTypeSignature.class
SHA-256-Digest: XxDCzKCC1epSB9i1eg5t3wJPjFXfaND80bTmQlOx4lM=

Name: org/codehaus/janino/Java\$Rvalue\$2.class
SHA-256-Digest: 3rdr1GJDLwq28aDbVwyTpc5Ot1WodWgXUWzPplQ5OvM=

Name: org/codehaus/janino/util/ClassFile\$FieldInfo.class
SHA-256-Digest: VKGgA/PeFVQ07d+L3V4bIUTjhFaIQ7oMsig+Nr9ArJo=

Name: org/codehaus/janino/util/DeepCopier\$13.class
SHA-256-Digest: FJ1Rfwjv69hl3k/bOGxX0l4cy4CNnQBCJGDbYIfjBMw=

Name: org/codehaus/janino/util/ClassFile\$ConstantPoolInfo.class
SHA-256-Digest: 8GPeW/b/D3IFyYYgL91Zb+pGnOhUdMog8RfM4Vl9axg=

Name: org/codehaus/janino/UnitCompiler\$42.class
SHA-256-Digest: 1Q6y858xJrVl2sFCnO+iRn81um1aZCQSahlSGs09fNQ=

Name: org/codehaus/janino/Java\$ThrowStatement.class
SHA-256-Digest: oq3UeX09QxCE23POGpBbHI5GPu5tmODo/B2hX8Dj9nQ=

Name: org/codehaus/janino/util/ClassFile\$AttributeInfo.class
SHA-256-Digest:
mlHN0E0qyJEivsA/Uz9BtGyvS96tjbYl7cQs8/worHw=

Name: org/codehaus/janino/Java\$ConstructorInvocation.class
SHA-256-Digest: T35TXt5rJYg+VcS/CTIR0hFqypI9hzkrr2sVHZxbo38=

Name: org/codehaus/janino/ScriptEvaluator\$Script.class
SHA-256-Digest: WyzQGWfT3twvSfQK7OQ4QIRR2Jbgrra9cWTI83+NzTg=

Name: META-INF/maven/org.codehaus.janino/janino/pom.xml
SHA-256-Digest: exDpA00jkVcvSFkN7L5ncZ/a7kPpjpgCu/zHIAR+3mYI=

Name: org/codehaus/janino/util/DeepCopier\$2.class
SHA-256-Digest: 66mq0JQ4XuvWdviPPaBk+CJEPXVm3Sns7YWsW2+5DGC=

Name: org/codehaus/janino/Java\$AbstractCompilationUnit\$TypeImportOnDemandDeclaration.class
SHA-256-Digest: HjVPkpb2hdROgH2GqL7F/0/GZD7jkkypFReC6jzhzyg=

Name: org/codehaus/janino/Visitor\$TypeVisitor.class
SHA-256-Digest: 4fYFKFcWsp9Qcr3Au3qMZacwoZblRdGyiUnRiuG4F0s=

Name: org/codehaus/janino/util/AbstractTraverser\$4\$1.class
SHA-256-Digest: EUiDc+FWacSj9cg5rtUWQzAnuvW1CPJozb/PvG9i7uQ=

Name: org/codehaus/janino/IClass\$IField.class
SHA-256-Digest: gt0bZcPElihqMk2moUZbUzcAiqcpo76Io6x+gUBPBsQ=

Name:
org/codehaus/janino/Java\$IFieldDeclaration.class
SHA-256-Digest: 3/VHiiel8HlJapUKeuTOC2UOz0cmY1W7NflMzSM1X1s=

Name: org/codehaus/janino/SimpleCompiler\$3.class
SHA-256-Digest: Ck8RRR6R+MmnZKWO1LN1PCMovLSDAYIMO+UDZILC4Wg=

Name: org/codehaus/janino/UnitCompiler\$1.class
SHA-256-Digest: 9yLg8S06x/H16NJ688QhPvX+JVtkuHKRRL3O8wqLY9c=

Name: org/codehaus/janino/Java\$LocalVariableAccess.class
SHA-256-Digest: iR9JnVky8i76MpkR7o8DVbfjUeWrs1lunA6R5jAKTSQ=

Name: org/codehaus/janino/Java\$FloatingPointLiteral.class
SHA-256-Digest: z1204VBa0lxt5itrRWSHLqTFgpsAwhskMLyyDuGXkFM=

Name: org/codehaus/janino/util/charstream/CharStream.class
SHA-256-Digest: DQwBuVr34NT9jVRJzRfS+mDhfQtkL3nXwHTEDBpZ4mc=

Name: org/codehaus/janino/Java\$MarkerAnnotation.class
SHA-256-Digest: Yqz6mniTZkDZ9DOJNTyfEfsvYTnqltUPtn+XBB8Dmhk=

Name: org/codehaus/janino/Java\$Wildcard.class
SHA-256-Digest: MES68QyB++wEuWOH4P5rMVYITz46hH2/3ScYfZK7DY8=

Name: org/codehaus/janino/Scanner.class
SHA-256-Digest:
d4JdILsh2A8K5TDQ1g+AVPSI72R7j0uBC5WgzVhasfo=

Name: org/codehaus/janino/Java\$FunctionDeclarator\$FormalParameter.class
SHA-256-Digest: duJrpX6C4cgtsBRZDCgSXKBcBkuSE0Uo1BYmrMQHfIw=

Name: org/codehaus/janino/Unparser\$16.class
SHA-256-Digest: w8zWln3qSeLP4wHdRAmb5Jdw1AzgRVF9+3TE/v76OEA=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$ObjectVariableInfo.class
SHA-256-Digest: VZFUDC6ZqoShjZPttIymQ3NrY2rt/RkNy6y0qm9g9Pk=

Name: org/codehaus/janino/util/ClassFile.class
SHA-256-Digest: xeE5Pp9J9Lkfv5hk5SBfd9xaS8GfokyaCiQ80J6N1cs=

Name: org/codehaus/janino/UnitCompiler\$10.class
SHA-256-Digest: DirX7/whQjEWErVAE9vvAwUEZ9OwXx23zsooLb3j1Yg=

Name: org/codehaus/janino/util/AbstractTraverser\$5.class
SHA-256-Digest: 13l0KNcRixOxLiBqMaLYiMjXVlCaAEcXQq\$4lfi24nU=

Name: org/codehaus/janino/CompilerFactory\$2.class
SHA-256-Digest: g2In4lGx8bQt+25TUlDWRC4FjHKSwdbg1eE20mUyHWQ=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$AppendFrame.class
SHA-256-Digest:
PL6IZdjjHLkBeFQaAUXh54PLQ0wOjbK6ZU5UP38F0vc=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$6.class
SHA-256-Digest: 63ZXhRiE6+N6zQvRdDNsrWYY6yhqbaQ1f3L+Ny7vQKo=

Name: org/codehaus/janino/Java\$ClassInstanceCreationReference.class
SHA-256-Digest: X59Bfr4xMPBie0TIBNkl/bp9pe+maT9EcLPa/gsyJds=

Name: org/codehaus/janino/util/signature/SignatureParser\$TypeArgument.class
SHA-256-Digest: nO5PQxLQy/4MM6R97Hb3+rFufcIX0f3dkmX5CWx6/Gg=

Name: org/codehaus/janino/util/ClassFile\$ConstantFloatInfo.class
SHA-256-Digest: lY3u0ZX69UgbEFhWsT1b+rgy+I8+hJs0WXNm4GaO4+8=

Name: org/codehaus/janino/IClass\$2.class
SHA-256-Digest: dBI8mDtV1RXUNdV03r1eNbjZr89eUPbuCxCXpz1paR0=

Name: org/codehaus/janino/Java\$Annotation.class
SHA-256-Digest: OrRoYtOnSo8CrTBCH0JkGM4VRuMrA4M4Y6WM8S1gzc=

Name: org/codehaus/janino/util/ClassFile\$ConstantClassInfo.class
SHA-256-Digest: 6/eDw6WPp7a/8TJ1BbLBNCj1kxV9OOxWXh5ZduH9IPQ=

Name: org/codehaus/janino/SimpleCompiler.class
SHA-256-Digest: zh0kmFWqOkOBo42Ufsn9sFXc1Ck10enhNP+Bu+EFIDE=

Name:
org/codehaus/janino/UnitCompiler\$21.class
SHA-256-Digest: p6WtQFgrWpGOR0mlqKXmUV7G5KLgHwciW36MpZ0+MHA=

Name: org/codehaus/janino/Visitor\$ConstructorInvocationVisitor.class
SHA-256-Digest: Z9HPO6UwRooj5cC1diKHsC0jq7mKXlGGSw7szOwhAMo=

Name: org/codehaus/janino/util/ClassFile\$LongElementValue.class
SHA-256-Digest: Sfex8GDDYAukI8IbHxUAKUAIUPLpE1P/8O1KMh5JYF0=

Name: org/codehaus/janino/TWildcardType.class

SHA-256-Digest: cajE+0BYNkXufc1yXnOlQQ4pSg7lfk8BSfySrAMdoUU=

Name: org/codehaus/janino/util/ClassFile\$AnnotationsAttribute.class

SHA-256-Digest: V2sr07koVznIx5EfiRugKLp7Hr/M94MOlQCAnxYM5kQ=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$SameFrameExtended.class

SHA-256-Digest: tPoGgGwo14PflOj1In1D0XPABlZn1qpzEO/lxLL6gJY=

Name: org/codehaus/janino/Java\$stringLiteral.class

SHA-256-Digest: mWdyrm1PqnG59Kuz0FasXnoe8BAp5mwpMP6RCW5T9DI=

Name: org/codehaus/janino/util/ClassFile\$SignatureAttribute.class

SHA-256-Digest: uFaMVomGWHtsp0ig01tybyzJ6+01t746mCu4vdL6G8Q=

Name:

org/codehaus/janino/Java\$SwitchStatement.class

SHA-256-Digest: wmrAadx6OwPOs22x+sQrQY7JN6ODbypHhYjS2jWsPO0=

Name: org/codehaus/janino/ClassFileIClass\$3.class

SHA-256-Digest: BqANDg23JLyblme3Dr7bJ+IEWNlnC7t78gLzvCFN0FI=

Name: org/codehaus/janino/util/DeepCopier\$9.class

SHA-256-Digest: VAOh0ov4Vlp2UjnZyFIThm72i/Mddbctc8lFRneeSDw=

Name: org/codehaus/janino/CompilerFactory.class

SHA-256-Digest: sBZIS02QjVsFbjJGJDEIMTZC9TQ9GJgOFd3LpqABTkk=

Name: org/codehaus/janino/Java\$EmptyStatement.class

SHA-256-Digest: ELq5mo+drIpHQ/XFl9WfN/66klQ3WFtGLXNpB8O4dPo=

Name: org/codehaus/janino/util/AbstractTraverser\$3.class

SHA-256-Digest: jxPdw+2akIlpZkpcOI5blUz7GelhdFT4yopwz+kv9A=

Name: org/codehaus/janino/IClass\$IAnnotation.class

SHA-256-Digest: tY2Gkie/CT/z8bGZ1mtnDXmYP8Z+W8yDsVh7FAJ+UXM=

Name: org/codehaus/janino/Visitor\$ImportVisitor.class

SHA-256-Digest: NMnBmaEl65fU0f1ydHjM9R+HyaAHiraeqV0twsDd19U=

Name: org/codehaus/janino/CodeContext\$BasicBlock.class

SHA-256-Digest:

va9sCuxMeZq14Aq3U1G/+4tX4liWfnf2a1ua/ySflpI=

Name: org/codehaus/janino/Java\$MemberClassDeclaration.class

SHA-256-Digest: vI8aS/dQf4c3xDf52oq1ryipts8lfSW2RKJG7ofJMRo=

Name: org/codehaus/janino/Java\$ConditionalExpression.class
SHA-256-Digest: yiEaqS+m1jMSUbC924vJ4TxnuRzCaKW4F0o0CyxgXwQ=

Name: org/codehaus/janino/Java\$LambdaParameters.class
SHA-256-Digest: YYAw4Bp+by56XKQMJB5N1Mz4jLx7jS3JlUeCPC9afA=

Name: org/codehaus/janino/util/ClassFile\$IntElementValue.class
SHA-256-Digest: LseOOZJS4lR9u3C//+MJ34ATWJNvdI3x7Ph+GUzUgQE=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$UninitializedVariableInfo.class
SHA-256-Digest: j4/LQrl6dp9sB/HEVIEfwDOgQ4lIuFrFw4hbEZb6lKU=

Name: org/codehaus/janino/util/DeepCopier\$11.class
SHA-256-Digest: CZf447NXkhgZqAzpwcC9zUeHJSyUBqqWf1mvj8ZdwqU=

Name: org/codehaus/janino/util/ClassFile\$ConstantElementValue.class
SHA-256-Digest: gWJ7du4PfAijCMFra/Eoln5rkFcHillwo3/6lCgc/oA=

Name: org/codehaus/janino/UnitCompiler\$17\$2.class
SHA-256-Digest:
EddX+ddWvE01SsmTAGzxbBi81basHoSibDw4apxLjCo=

Name: org/codehaus/janino/Visitor\$TypeDeclarationVisitor.class
SHA-256-Digest: p262+tyWf6u/fl5+xzU4g2fkAgng6/I1edvqlbhbOOE=

Name: org/codehaus/janino/Java\$NullLiteral.class
SHA-256-Digest: hTa5F6/i+MDzgAhlb55+QMT29SxtChoCUwtRjhsLfjA=

Name: org/codehaus/janino/UnitCompiler\$26.class
SHA-256-Digest: O9WrrzSwwTrOsMW/nwdHRTMp2RMyRRl+vd/csSV9mR0=

Name: org/codehaus/janino/UnitCompiler\$28\$1.class
SHA-256-Digest: MlpXz+xkbhKqNDgZD+hDNwXnfn6DokQaGHg/V9rD9Qc=

Name: org/codehaus/janino/UnitCompiler\$31.class
SHA-256-Digest: MmwDxsq/gkppzPl+JwMJPC6KFyJ08QFp9MSIB+q1EK4=

Name: org/codehaus/janino/Compiler\$1.class
SHA-256-Digest: AllMsUaSCvrtvaxAqmoXF5OHh2wMOnH7n2ZSm13q3Wg=

Name: org/codehaus/janino/UnitCompiler\$17.class
SHA-256-Digest: OFH1XGWxVaJOH7x5DBBx2yYtlugNFV52A6O5KmhjmuE=

Name: org/codehaus/janino/util/ClassFile\$BooleanElementValue.class
SHA-256-Digest: zgwz5PBV168gCSPbhcqm5G4SuRVp0VDAM9/mZDfFcXk=

Name: org/codehaus/janino/ReflectionIClass\$ReflectionIConstructor.class

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Name: org/codehaus/janino/util/ClassFile\$ConstantFieldrefInfo.class

SHA-256-Digest: Z2PEMepAWJIU/QervQKLlBfzrumAtY3T8nBN7i+kjVM=

Name: org/codehaus/janino/Java.class

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Name: org/codehaus/janino/ClassFileIClass\$1.class

SHA-256-Digest: vm8Ldzweqg2aULHLfHu0mAkE6Alj16jFSkhnh2hdE8=

Name: org/codehaus/janino/CodeContext\$FixUp.class

SHA-256-Digest: 9S06D9THlRFbr/nLYjabnTntDGVHSRCVqnqLmhcJLCw=

Name: org/codehaus/janino/Java\$ClassDeclaration.class

SHA-256-Digest: SxGIEFMMeBdgzUZxVndJxRZ2BCCOVkFsLU4UHsUI6VE=

Name: org/codehaus/janino/Java\$Locatable.class

SHA-256-Digest: eV10WvgA4V2LFgs6Z5dOdKd8CakNZAhk3a+131pAMuA=

Name: org/codehaus/janino/TokenStreamImpl.class

SHA-256-Digest: tg/SCpyg58XVYijleV0F8NSfl0bbFoAxLz2SMt4G7xA=

Name: org/codehaus/janino/util/ClassFile\$Annotation.class

SHA-256-Digest: 5MuVV+haCq/c+jbPgVEB8te3ewBT8wJSyf+Jl66ElIg=

Name:

org/codehaus/janino/Compiler\$CompilerIClassLoader.class

SHA-256-Digest: tWRlopEcSZJKCLljQM0mnxsY9SKGEDob0Jhl5t7iANQ=

Name: org/codehaus/janino/Java\$Initializer.class

SHA-256-Digest: O4ofPHLRVdRuVayQ+LoWIPA6luPRqI0TxOQa1Wwq1i0=

Name: org/codehaus/janino/Java\$AccessModifier.class

SHA-256-Digest: bu95pe/OgGZrYkBWjKKT/PLYJFNzUCJf6IS0t/3njc0=

Name: org/codehaus/janino/Java\$Scope.class

SHA-256-Digest: q7MMiS1ghcxhcoIL7BTlufhuuyo6j5LpyZobMdpJkJE=

Name: org/codehaus/janino/Java\$ElementValue.class

SHA-256-Digest: G/Eveph4m612ZUGMPWXaSp2rFrZ9LbaznJUackL1tk=

Name: org/codehaus/janino/Unparser\$1.class

SHA-256-Digest: zH3gIGB90LAynJcNbbn2H8tFC0RuzkqB7g2/I0x2eSc=

Name: org/codehaus/janino/Java\$Cast.class

SHA-256-Digest: Ts8bxqyiAw599n1YPnLGGHqQZ/2w8vCm7D5bBODFGw8=

Name: org/codehaus/janino/Java\$LocalVariableSlot.class

SHA-256-Digest: vLvABAY+oLiB/9xPWRJXq3bEjZx20qttS+smvE1ks8U=

Name: org/codehaus/janino/Java\$WhileStatement.class

SHA-256-Digest: XzdShrFwCSx5z8HiKre5rTDBOB7ZJJlzhZoqQriapKs=

Name:

org/codehaus/janino/util/ClassFile\$EnumConstValue.class

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Name: org/codehaus/janino/UnitCompiler\$23.class

SHA-256-Digest: 9nL5Z4jcTtf2iN77bVgSUGyMf2wZV1ilpabABQaiG9E=

Name: org/codehaus/janino/Java\$VariableDeclarator.class

SHA-256-Digest: 0JZVuOr8Q+Ez7OUP5hFH8Wp5vnu1atY+4v1dvZjknS4=

Name: org/codehaus/janino/samples/package-info.class

SHA-256-Digest: egnZaOIrPGZaFxb99RqHTyOuOaN1iNecdw1GMf8cogE=

Name: org/codehaus/janino/Java\$SwitchStatement\$SwitchBlockStatementGroup.class

SHA-256-Digest: rAh4sxe+XtzXz3B5F6VS+lBMmFbOvc2sHDKRz4v+OpQ=

Name: org/codehaus/janino/Java\$ContinuableStatement.class

SHA-256-Digest: fpOoXRjkhNQHK6ZAJDnlusWVXXqlcu+D60KgrCFq90g=

Name: org/codehaus/janino/Compiler\$3.class

SHA-256-Digest: i+MDCb+d6pjScxgQZNuG9FOa9vXauSGPH2XDRRORdJ0=

Name: org/codehaus/janino/UnitCompiler\$5\$1.class

SHA-256-Digest: gU2k7Y04Rdmor7CCe6GHkTWCYAAQBP5unZHKwcyYfJw=

Name: org/codehaus/janino/util/ClassFile\$1.class

SHA-256-Digest:

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Name: org/codehaus/janino/Visitor\$ElementValueVisitor.class

SHA-256-Digest: rZ4JR0hhTiKRcx1EOHQBJ6jpLyqZvZiHT/xrnZjl7Kc=

Name: org/codehaus/janino/SimpleCompiler\$1.class

SHA-256-Digest: 7BE7gadDutC9BkL+dagDW2EdPdOu1W3I2xJyGUco6KU=

Name: org/codehaus/janino/ScriptEvaluator.class

SHA-256-Digest: q27mCYh49FMMOEvWzuJnirbOqupJCMl8Tp+d2z1Sdlk=

Name: org/codehaus/janino/Java\$Block.class

SHA-256-Digest: lZnM6BYodTTeHui6msLQ+jY8XEJBwVmi4ZlmGOQvJlc=

Name: org/codehaus/janino/Java\$PackageDeclaration.class

SHA-256-Digest: 9zr/UG8z74I8Mdr1xoQIEQ+320w7hMrdpNpzKVQd2yA=

Name: org/codehaus/janino/ClassLoaderIClassLoader.class

SHA-256-Digest: X6SA2gIEs0oGsjsrRBGi0EvwEBzLsPXgDqnlNPdpjic=

Name: org/codehaus/janino/Java\$PackageMemberTypeDeclaration.class

SHA-256-Digest: PZunTg5AgRPDLsGLFs6V6IZOAJoAmaXHTRy49NLm6M=

Name: org/codehaus/janino/util/DeepCopier\$7.class

SHA-256-Digest: AvkgYu7fP/+dsJpXSDT3G0ijrIjl8OtCSlYCTRh/zE0=

Name:

org/codehaus/janino/IClassLoader\$1\$1.class

SHA-256-Digest: FDTvEoXNv1+o3ODB+xsmavFxiX0CoCi/9lRh7X5IfSQ=

Name: org/codehaus/janino/util/ClassFile\$ConstantElementValue\$Visitor.class

SHA-256-Digest: Je41gASiHpPr+dEfVCd6DLGbjH+OHff4m1xIFS7kUzE=

Name: org/codehaus/janino/util/signature/SignatureParser\$ThrowsSignature.class

SHA-256-Digest: YQFUcoW3YTLAPMpFIj7wU6bd9FllGxFaiD+4AMtDnQc=

Name: org/codehaus/janino/UnitCompiler\$25.class

SHA-256-Digest: qqpc3L6isD3PnXPptggf6beDQ8jwNnnw3VIKbUpeRZM=

Name: org/codehaus/janino/Java\$MethodReference.class

SHA-256-Digest: PrFGPoa80oWidJ8+DsB+BHgNEUnZiber4NxHuzkg60U=

Name: org/codehaus/janino/util/DeepCopier\$10.class

SHA-256-Digest: UCiTooPD8Fml+rYIo19KdyXSigPhBRTgJaU5bBT8ozo=

Name: org/codehaus/janino/Java\$LambdaBody.class

SHA-256-Digest: lY7hiUrB+q4Mm8ATTQrH4tiS5zinYUwVsJB66aTJ05g=

Name: org/codehaus/janino/Unparser\$9.class

SHA-256-Digest: cupKvwN8y9X7FGvtZyeu7HGxiOyLQOHVrlXvXTZ+BSk=

Name: org/codehaus/janino/UnitCompiler\$28\$2.class

SHA-256-Digest:

Ut2DFMhrxn4uEPeu6882UkBqb0o4bGxBm4CyAiJGEkc=

Name: org/codehaus/janino/Java\$ExpressionStatement.class

SHA-256-Digest: 1X1KR8szGENzMsUP3Dd1k9XIUjM6SbOF0vzO0B+vclo=

Name: org/codehaus/janino/Java\$ParameterAccess.class
SHA-256-Digest: k2SYpNYiSy1tPm7FAMVIWARUJcym4syc6Zm/jnqjgHM=

Name: org/codehaus/janino/UnitCompiler\$38.class
SHA-256-Digest: ZWv7fqdahnh47UVyeKzL0k49bPK8bEphy5NdWLMfwDo=

Name: org/codehaus/janino/CodeContext\$OffsetBranch.class
SHA-256-Digest: 4cSUzheuZ40ZO95aWbQGApWX/O05qi2lO4BoHh2sx38=

Name: org/codehaus/janino/util/DeepCopier\$5.class
SHA-256-Digest: FlpHoHFnbGLiCqeZEil7RfWlxtjgz1EBNUOv2gMMDVw=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$VerificationTypeInfo.class
SHA-256-Digest: +oUdLZl1chembBotCpG31/3+/xgtlguniBHDU12zXZo=

Name: org/codehaus/janino/UnitCompiler\$39\$3.class
SHA-256-Digest: QGm2j6nCPPBpG0LI5ftX9dkG8mr6Q8ljx0DsH+nEM1Y=

Name: org/codehaus/janino/Unparser\$3.class
SHA-256-Digest: +5H9Ffvk7x5LuIZpCCxp9GsAm+ZKWYiK2pX1a37FGBI=

Name:
org/codehaus/janino/Java\$ArrayAccessExpression.class
SHA-256-Digest: D/Gp48KeAEnF9ZhiXytWdsn38OTpTOgx0bCNxMUdBBY=

Name: org/codehaus/janino/ReflectionIClass\$3.class
SHA-256-Digest: jBu7jNfj54jhc2QQ+88S4ZBIHAMoGr7ZFI8lwu9cKR8=

Name: org/codehaus/janino/util/ClassFile\$ConstantMethodTypeInfo.class
SHA-256-Digest: OdN9kS4j8nFSOYBA3TuU4m0u7pSgflzK06RJBMerH0E=

Name: org/codehaus/janino/Unparser\$18.class
SHA-256-Digest: OApniccT6/DqWb5RtgBFbGN1/vgEkFumufg9nF3+uPo=

Name: org/codehaus/janino/util/signature/SignatureParser\$FormalTypeParameter.class
SHA-256-Digest: 0my8rbbAhtctWC0sCYJQOlaPyAQxqTx9WuYqOTBTyvA=

Name: org/codehaus/janino/Unparser\$12.class
SHA-256-Digest: 3qe4+WvKHToARSnn+LMY9Mu8EGKDksi1+AIpFiA429I=

Name: org/codehaus/janino/util/charstream/UnexpectedCharacterException.class
SHA-256-Digest: f0w+Np8j8Mr4iOEouVagXbXDQB/JYVgUH1RJ6mnsOUM=

Name: org/codehaus/janino/Java\$NormalAnnotation.class
SHA-256-Digest: XXB9xtZraVbdhBa/dWp4VoEYVTvSFGH5z86L+2EplO4=

Name: org/codehaus/janino/Java\$returnStatement.class

SHA-256-Digest:

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Name: org/codehaus/janino/util/AbstractTraverser\$1.class

SHA-256-Digest: p+KDthLt5+1kTKLD8Sm8Y4MWDs4Bu+pYM05a+iEu43Y=

Name: org/codehaus/janino/Parser.class

SHA-256-Digest: 5AgkcUZtAdP+DbjkhxW7oekqVLPS7MamWbSe3JWnxZU=

Name: org/codehaus/janino/Java\$synchronizedStatement.class

SHA-256-Digest: RlcMUOUAn6Kcb6IE6j0i4EpsRc4Wrh0oO+D20Mk2cRw=

Name: org/codehaus/janino/Access.class

SHA-256-Digest: qvNgbo9ID/q25Ku9acRZsAsyfy9uj/qrB57WxGQMx4=

Name: org/codehaus/janino/Unparser\$4.class

SHA-256-Digest: XNr4fP2sQYZ+hA5DbIoPZqaXJPVZbsTGzbxnQ4Ap0fo=

Name: org/codehaus/janino/UnitCompiler\$33.class

SHA-256-Digest: on691Z9oYp8HEPMOJkryCG8vx0H46Hr4d4+MLRXpgw=

Name: org/codehaus/janino/UnitCompiler\$14\$1.class

SHA-256-Digest: iBgCGQZ7hIx6He6VbxdZFzQDBafUe38tO132pssaGI=

Name: org/codehaus/janino/util/ClassFile\$ConstantNameAndTypeInfo.class

SHA-256-Digest: Hkm5aPHr+4QVlnyBmiig2J/jBsQDKzidSf46qSTXtKs=

Name:

org/codehaus/janino/util/ClassFile\$ClassElementValue.class

SHA-256-Digest: VYB7RRvW1owTkb5AfNWQmJOX8FgisUoX6N8dLTv3bVU=

Name: org/codehaus/janino/util/DeepCopier\$4.class

SHA-256-Digest: yKu1ya3uxJ39ikJ/sW91oI5BZdGHkv/8Xeo1SJzM5w0=

Name: org/codehaus/janino/Java\$packageMemberClassDeclaration.class

SHA-256-Digest: 83LyzvQNdeZHqrOgGlvCB/WO45qr/f+IV7lp6lhGhwA=

Name: org/codehaus/janino/Unparser\$17.class

SHA-256-Digest: uyAlHOguMWnwYogJOLAcVDU1WwmFYsYvq2GabFCqcGc=

Name: org/codehaus/janino/util/ClassFile\$CodeAttribute.class

SHA-256-Digest: X/9moiAZ+h4GV4VRldRq97PsvZKESusdBJbssBammrg=

Name: org/codehaus/janino/Compiler.class

SHA-256-Digest: cKnI8W1jSXjt5IcaLkhvWO8j0fRNAdk05YBBT8OC900=

Name: org/codehaus/janino/Java\$Statement.class
SHA-256-Digest: ijsrs9eAgEEpkoYgJVlZmOOONRoYhPzI0tlv+4RoIMA=

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SHA-256-Digest: WS8bRh4xYzzaquUwvSgq6oENL6OJfD2WSa6eKtZiqTw=

Name: org/codehaus/janino/CodeContext.class
SHA-256-Digest: N8lw3rBN6xOUt2h8LfiqrmDQ0bjV4SuA7JzSp7dwlw0=

Name: org/codehaus/janino/Java\$NamedTypeDeclaration.class
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Name: org/codehaus/janino/Java\$MemberAnnotationTypeDeclaration.class
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Name: org/codehaus/janino/Java\$AlternateConstructorInvocation.class
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Name: org/codehaus/janino/UnitCompiler\$39.class
SHA-256-Digest: gj9clXVloeK8Sedd51j3lbcQV+9q1pOt9QK0BUXpUsE=

Name: org/codehaus/janino/IClassLoader\$1.class
SHA-256-Digest: or4jnCaL8z8l8xUCUldBywIocF6Kh0GZ9nY8eEY/tu8=

Name: org/codehaus/janino/Java\$TryStatement\$Resource.class
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Name:
org/codehaus/janino/Parser\$ClassDeclarationContext.class
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Name: org/codehaus/janino/Visitor\$TypeBodyDeclarationVisitor.class
SHA-256-Digest: xbx7sGc9ymbYC0h0CfPxwJK1ClTpTkRDXwNUWq0Q5Lc=

Name: org/codehaus/janino/UnitCompiler\$32.class
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Name: org/codehaus/janino/util/ClassFile\$ConstantInvokeDynamicInfo.class
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Name: org/codehaus/janino/util/ClassFile\$ConstantInterfaceMethodrefInfo.

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Name: org/codehaus/janino/util/ClassFile\$ConstantStringInfo.class

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Name: org/codehaus/janino/util/ClassFile\$LineNumberTableAttribute.class

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Name: org/codehaus/janino/ReflectionIClass.class

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Name:

org/codehaus/janino/UnitCompiler\$44.class

SHA-256-Digest: eOQh9+jnw7ch9wEKNTsz9o7/0eP2SUiGXctDAMWYcE=

Name: org/codehaus/janino/util/signature/SignatureParser\$FieldTypeSignat

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Name: org/codehaus/janino/CodeContext\$LineNumberOffset.class

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Name: org/codehaus/janino/Visitor\$ModifierVisitor.class

SHA-256-Digest: 9pdPTYi7LL4bTvZ760sgSen3liSLffyzNRXWMVzlcu8=

Name: org/codehaus/janino/util/DeepCopier\$3.class

SHA-256-Digest: Sq9J24/wotW8jCZm1evlmXOsPqLy6zXBKgwZe7CO/b8=

Name: org/codehaus/janino/Visitor\$FunctionDeclaratorVisitor.class

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Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$1.class

SHA-256-Digest: T8YPT6zdg0vLRWJucMcGZiOJgm1eAaWq9gNViDBv10U=

Name:

org/codehaus/janino/Java\$ParenthesizedExpression.class

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Name: org/codehaus/janino/CodeContext\$1.class

SHA-256-Digest: qaAFzSTCogL8JdpXvIazHF3MHqh2Lgp55hDg1qnvAo=

Name: org/codehaus/janino/Unparser\$11.class

SHA-256-Digest: ZHsi4ATRMDrXJmanhz9EhofYht7ZRIrVDAzguwbpt4Y=

Name: org/codehaus/janino/Java\$TypeArgument.class
SHA-256-Digest: H/vDjlhfHyEod0kFkCG9GHKt5IoXwHMv/sQuwtMAAEM=

Name: org/codehaus/janino/UnicodeUnescapeReader.class
SHA-256-Digest: 9hTrTbAbkflug8d3v+Wm7qIueEQRbTp3D+9P6Bjna+g=

Name: org/codehaus/janino/Java\$AbstractCompilationUnit\$SingleTypeImportDeclaration.class
SHA-256-Digest: l3yDE+hL5cfFj/pjjJdrUUsPnn6jXjpeUJzvfXDwayg=

Name: org/codehaus/janino/UnitCompiler\$34.class
SHA-256-Digest: C8uMLkxHJDgGQnQkkqtlKVVsyxRfii8j+6sf87qaht4=

Name: org/codehaus/janino/Java\$ClassLiteral.class
SHA-256-Digest: F4GlvUSaWMRUN8Se1YyGqBgJINi2L5sENlQuiU8mgcs=

Name: org/codehaus/janino/Java\$DocCommentable.class
SHA-256-Digest:
guresSKq91gbKI6MgTs24rNB10lqkTsnBkKJzO2Lwm4=

Name: org/codehaus/janino/util/ClassFile\$FloatElementValue.class
SHA-256-Digest: igRR0tgDzu4rAAm2LNZpn4N5+rwWHM7SwEievgSCKCQ=

Name: org/codehaus/janino/Java\$PackageMemberInterfaceDeclaration.class
SHA-256-Digest: bco4+JDNeCqGZ/olBi7JzP70nT0YrBYQSGUiv/wFDTQ=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$StackMapFrame.class
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Name: org/codehaus/janino/Java\$AbstractCompilationUnit.class
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Name: org/codehaus/janino/IClass\$IMethod.class
SHA-256-Digest: yqazWVlLBHVZBKmJP+0TtWS1qpu1LETgun55QS3nyeg=

Name: org/codehaus/janino/Parser\$InterfaceDeclarationContext.class
SHA-256-Digest: 0+nZUT7HdKruXB6/LvhnQXmPDB08kKoHiqpncaiHK+c=

Name: org/codehaus/janino/Token.class
SHA-256-Digest: xrBhQQFC/9i730OdnaN1iMSHud3kl/NmFN9AN85kNUM=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$4.class
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lqKNlVSv3By/EGoxZxaMoXfWocgJ23cIjDj0amCYFmA=

Name: org/codehaus/janino/Unparser\$7.class

SHA-256-Digest: l72gCYJ6a4YO5ZTGMK1ZKBuk8rx8Te+9t9WK/L4jzN8=

Name: org/codehaus/janino/UnitCompiler\$37.class

SHA-256-Digest: VdeSU6BXKsbHQMwgyUy2/Tbvmmfx8T09sEl+DnF6Qw=

Name: org/codehaus/janino/Visitor\$TypeArgumentVisitor.class

SHA-256-Digest: PyBx8wgsEQ4gkF6LtQWinTNaXnrZNegbPe98gd7BKpo=

Name: org/codehaus/janino/Java\$ModularCompilationUnit.class

SHA-256-Digest: asX6nmSlbOz0qRVkXVUkcDKdqynLTW1bT/qNwrJ9DxM=

Name: org/codehaus/janino/util/ClassFile\$ExceptionsAttribute.class

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Name: org/codehaus/janino/util/ClassFile\$ByteElementValue.class

SHA-256-Digest: YXbCTCBjM32Y0gBf20m0FP4j2dEYj6VsuTdwwf+cIrg=

Name: org/codehaus/janino/package-info.class

SHA-256-Digest: K+bX0VleOVD0juK0A/QkjJ6dQ5Cd0y9CDdv4A/4qiyg=

Name: org/codehaus/janino/TokenStream.class

SHA-256-Digest: +xgV7207fiBSa/53A5naULgsuxsiBPvG+0fbwydKoWI=

Name:

org/codehaus/janino/util/Traverser.class

SHA-256-Digest: Vxpy4gyEFZSC5+4hWE9YdeT9dKIX30bN9CD9JFK3tlo=

Name: org/codehaus/janino/UnitCompiler\$29.class

SHA-256-Digest: OHjX4Fn/QvuFDnvyhBBKeEcco0FP4ULg/A0dK6Kwxsw=

Name: org/codehaus/janino/util/AbstractTraverser\$7\$2.class

SHA-256-Digest: 9vIxiIp5knwP2UQlqV40nTglsBKNUbCOXdmkJ/26T3w=

Name: org/codehaus/janino/Java\$ForStatement.class

SHA-256-Digest: vsMSfzGmLrWN9KHUCItOkjga4BfwHFkRbsbhhhDYp64=

Name: org/codehaus/janino/ClassFileIClass.class

SHA-256-Digest: Ilud0boS98fH7nhcOKYE14t7t7Oz7WXdNKQmcch/Vx4=

Name: org/codehaus/janino/util/ClassFile\$ClassFileException.class

SHA-256-Digest: iGAuGSmL8IvNb8r+L60K8O0lYEvNEPkfJf4mZmdE9ZA=

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SHA-256-Digest: LCkAPGwvnUJIsh4cuwmJ54xis/NJaqwzfdiR7ZcWlCk=

Name: org/codehaus/janino/Java\$LocalVariable.class

SHA-256-Digest: zY9XK+PmtFvAAKT8Kv/Z+VAq2/kqgJ2O9YsIr0zxxOc=

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Name:
org/codehaus/janino/Java\$LocalClassDeclaration.class
SHA-256-Digest: uu3qjniESATYINQjrAQUoN+cpogE915eP5dY5FZBeAE=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$3.class
SHA-256-Digest: oTvJH9n2kzFjV7ec1fT9nk4SSURjzahAwi3VEWzgQQY=

Name: org/codehaus/janino/Java\$AnnotationTypeDeclaration.class
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SHA-256-Digest: g93dUSNsJV5c1Nj8z8PYUaDOFZD5hqO/tVmFXfrASHA=

Name: org/codehaus/janino/ReflectionIClass\$2.class
SHA-256-Digest: KkeWxpZncsllrGHcBiPLI/1TrAAGsuNwzKcyAEM6Yio=

Name: org/codehaus/janino/util/DeepCopier\$1.class
SHA-256-Digest: +hbKJp3hcmdTYdgji/7iGhXwXgS8/YTkMnHGMnzlPAI=

Name: org/codehaus/janino/Java\$NewClassInstance.class
SHA-256-Digest: Zb6Nyt3HXFCc+uCWMIKGjJmcRPicM9G6fs+G0TO6SqI=

Name: org/codehaus/janino/util/ClassFile\$ConstantMethodHandleInfo.class
SHA-256-Digest: +iVZBVpIFsqvMlaO7Wpb5iikx9qUvLkePJzTMRhYqNE=

Name:
org/codehaus/janino/util/signature/package-info.class
SHA-256-Digest: Xsj685G34t8qyE40frAhRxV+/H2YP6Qhzzz4yCw4Yfc=

Name: org/codehaus/janino/Java\$FieldDeclarationOrInitializer.class
SHA-256-Digest: 5Evb7VvZHNmXUlnrrFNrtFCZm6rmO4OU/q9HNT3xsLw=

Name: org/codehaus/janino/util/ClassFile\$MethodInfo.class
SHA-256-Digest: OQNgihCuaTb5TBDVi91khEzl5f1Ebqc6aTJxVNE5vVE=

Name: org/codehaus/janino/UnitCompiler\$39\$1.class
SHA-256-Digest: 8Q8NRh/OIA8mJIOk0VRvHPi6epTogUQQ2fE38Q+f0uI=

Name: org/codehaus/janino/Java\$ArrayInitializer.class
SHA-256-Digest: vzMD/LEmqHgDpVPnfNZ6TKfxLS8mq459Z42frA+pBho=

Name: org/codehaus/janino/Java\$Invocation.class
SHA-256-Digest: tI2qEzPGs3VYltqnvJl7KUwgzWK+Eaon/+dImMeaKbA=

Name: org/codehaus/janino/Unparser\$14.class

SHA-256-Digest: BOFtqN4Bu5PJ28qB1XLzsoXn/Vx3EFN6Q/Po8Vfm1zI=

Name: org/codehaus/janino/util/ClassFile\$LocalVariableTableAttribute.class

SHA-256-Digest: Ni/4X0HaxVreeh8/h11B8JUUiONHvATtv2yuvO8tME=

Name: org/codehaus/janino/util/ClassFile\$CharElementValue.class

SHA-256-Digest:

26X6p/2zDPpTu7+P1k4ALZTa6ihGwkWc910x2Yuf25Q=

Name: org/codehaus/janino/IClass\$PrimitiveIClass.class

SHA-256-Digest: Xe62oauLQu+SU2IhnK8+P01jC3cUmu99oioNGwAZDjk=

Name: org/codehaus/janino/util/AbstractTraverser\$7\$1.class

SHA-256-Digest: HMqlF23YeSrwVoiKzS6yy27fpPCYcattEvjFEbeVzrA=

Name: org/codehaus/janino/Java\$FormalLambdaParameters.class

SHA-256-Digest: O1jJisKdYBjNd07bD3lBZeVTX2r4EW9lD42JLvvZa7w=

Name: org/codehaus/janino/Java\$ForEachStatement.class

SHA-256-Digest: 9jrlHZ1rnU+/YVsgAmI3wJl1D59UpgbEVoHC/BKwP4w=

Name: org/codehaus/janino/Java\$CatchClause.class

SHA-256-Digest: los3fzcSDecKf9GQFEs37/pmjpASdj1xbG9Zfm5ofYs=

Name: org/codehaus/janino/UnitCompiler\$36.class

SHA-256-Digest: QFETa16TDjczF/pTihfcAmN6DIoY8CHk2VwTsXUbgww=

Name: org/codehaus/janino/ITypeVariable.class

SHA-256-Digest: A9vhs87BgJnukJQkhTp3lCwwGj62R6Oh/7va0sl/O8Y=

Name: org/codehaus/janino/Java\$CharacterLiteral.class

SHA-256-Digest: QmmXotLYLx00GgN7AAsGfwvOJycuiTtm8MXMmEc6c24=

Name:

org/codehaus/janino/util/ClassFile\$DoubleElementValue.class

SHA-256-Digest: lGGYYU2chtAkWO5ruDVn6z3fxeksy1I0F8Z+L4zgD2c=

Name: org/codehaus/janino/Java\$LabeledStatement.class

SHA-256-Digest: raDDo8co0U6GprI3T+pM2jlLACOsHcogUDA23vjw60U=

Name: org/codehaus/janino/UnitCompiler\$41.class

SHA-256-Digest: jaSsgc280fn0e65PB3WsFezQfkq5XzbM0zeijNxUzRc=

Name: org/codehaus/janino/Java\$MemberInterfaceDeclaration.class

SHA-256-Digest: VfDa7SUjOtiZWYYjT9iBePYk4JDzzEvCPNudA79NAqI=

Name: org/codehaus/janino/util/ClassFile\$CodeAttribute\$ExceptionTableEnt

ry.class

SHA-256-Digest: 73SexmP6HXhyIl6bALpOELixx2GortrUqII9/2TA2Xs=

Name: org/codehaus/janino/Unparser\$8.class

SHA-256-Digest: Fn6xISp2Ee0LAFLgRjNwneifXdEaMlRNsTCmRKG4+SE=

Name: org/codehaus/janino/Java\$ExpressionLambdaBody.class

SHA-256-Digest: FMBWscxQnqYzYYk4BmNHfl6cqAkKOfwPCpOedqnOIcM=

Name: org/codehaus/janino/UnitCompiler\$15\$1.class

SHA-256-Digest: cUvrwx7t7TxTD72CdEA2dTSEbUNotQajlaz56rlAYIE=

Name: org/codehaus/janino/util/ClassFile\$StackMapTableAttribute\$2.class

SHA-256-Digest:

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Name: org/codehaus/janino/ReflectionIClass\$1.class

SHA-256-Digest: uVXV+NCCns88rZPflP2XL3SQvUr/5kh0P06yIVjiyCA=

Found in path(s):

* /janino-3-1-12-3-jar/META-INF/MANIFEST.MF

1.239 pax-utils 1.3.8-r1

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1.240 failureaccess 1.0.1

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/opt/cola/permits/2665668644_1759873713.7185001/0/failureaccess-1-0-1-sources-15-jar/com/google/common/util/concurrent/internal/InternalFutures.java/*

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* /failureaccess-1-0-1-sources-15-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java

1.241 curvesapi 1.08

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1.242 latencyutils 2.0.3

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1.243 libxext 1.3.6-r2

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1.244 openssl 3.3.5-r0

1.244.1 Available under license :

```
# Contributor: Patrycja Rosa <alpine@ptrcnnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
cdefs.h
queue.h
tree.h
"
builddir="$srcdir"
options="!check" # just headers
```

```

package() {
    mkdir -p "$pkgdir"
    install -Dm644 -t "$pkgdir"/usr/include/sys \
        cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"

```

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The text rotation code in w_rottext.c was written by Alan Richardson.

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95

<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>

Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>

pkgname=spdx-licenses

pkgver=3.22

pkgrel=1

pkgdesc="Various data formats for the SPDX License List"

```

url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname=$pkgver-r$pkgrel"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt; do
        local
        license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
"

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"

```

```
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests
```

```
build() {
# some GNU autoconf options are ignored, but it works
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr \
--sysconfdir=/etc \
--mandir=/usr/share/man \
--localstatedir=/var/lib # it really shouldn't be in /var
make
}
```

```
package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}
```

```
sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
bsd-games-3.3.tar.gz
"
```

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The End

Contributor: Dhruvin Gandhi <contact@dhruvin.dev>

Maintainer: Patrycja Rosa <alpine@ptrcnull.me>

pkgname=py3-license-expression

_pkgname=license-expression

pkgver=30.3.0

pkgrel=1

pkgdesc="Library to parse, compare, simplify and normalize license expressions"

```

url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
buildid="$_srcdir/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

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3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
    license-expression-30.3.0.tar.gz
"

```

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```
# Automatically generated by apkgbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=9
#_pkgreal is used by apkgbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
    INSTALLDIRS=vendor \
    NO_PACKLIST=1 \
```

```

NO_PERLLOCAL=1
make
}

check() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make test
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"

Vintage Dreams Waves v 2.0. for Creative Labs' AWE Soundcards
(EMU Soundfont 2 Format)

```

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<http://www.geocities.com/SiliconValley/Campus/8645/index.html>

<http://members.nbci.com/silicon39/>

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Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

```

subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"
"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

```

1.245 servlet-api 6.0

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1.246 jboss-logging 3.6.1.Final

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1.247 spring-integration-amqp 6.4.2

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```
* /spring-integration-amqp-6-4-2-sources-
jar/org/springframework/integration/amqp/dsl/AmqpOutboundEndpointSpec.java
* /spring-integration-amqp-6-4-2-sources-
jar/org/springframework/integration/amqp/dsl/AmqpPublishSubscribeMessageChannelSpec.java
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- * /spring-integration-amqp-6-4-2-sources-jar/org/springframework/integration/amqp/outbound/RabbitStreamMessageHandler.java
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- jar/org/springframework/integration/amqp/dsl/AmqpMessageChannelSpec.java
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- jar/org/springframework/integration/amqp/dsl/AmqpPollableMessageChannelSpec.java
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Found in path(s):

* /spring-integration-amqp-6-4-2-sources-jar/org/springframework/integration/amqp/dsl/AbstractMessageListenerContainerSpec.java
* /spring-integration-amqp-6-4-2-sources-jar/org/springframework/integration/amqp/dsl/RabbitStreamInboundChannelAdapterSpec.java
* /spring-integration-amqp-6-4-2-sources-jar/org/springframework/integration/amqp/dsl/AmqpInboundChannelAdapterDMLCSpec.java
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 jar/org/springframework/integration/amqp/channel/AbstractAmqpChannel.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/inbound/AmqpInboundGateway.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/support/DefaultAmqpHeaderMapper.java
 *
 /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/channel/PollableAmqpChannel.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/support/AmqpHeaderMapper.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/channel/PublishSubscribeAmqpChannel.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/config/AmqpInboundGatewayParser.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/config/AmqpChannelFactoryBean.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/channel/AbstractSubscribableAmqpChannel.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/config/AbstractAmqpInboundAdapterParser.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/outbound/AmqpOutboundEndpoint.java
 *
 /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/inbound/AmqpInboundChannelAdapter.java
 * /spring-integration-amqp-6-4-2-sources-
 jar/org/springframework/integration/amqp/channel/PointToPointSubscribableAmqpChannel.java
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* /spring-integration-amqp-6-4-2-sources-
jar/org/springframework/integration/amqp/dsl/AmqpInboundChannelAdapterSpec.java
* /spring-integration-amqp-6-4-2-sources-
jar/org/springframework/integration/amqp/dsl/AmqpInboundGatewaySpec.java
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jar/org/springframework/integration/amqp/support/ManualAckListenerExecutionFailedException.java
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jar/org/springframework/integration/amqp/config/AmqpInboundChannelAdapterParser.java
* /spring-integration-amqp-6-4-2-sources-
jar/org/springframework/integration/amqp/config/AmqpOutboundGatewayParser.java
* /spring-integration-amqp-6-4-2-sources-
jar/org/springframework/integration/amqp/config/AmqpNamespaceHandler.java
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jar/org/springframework/integration/amqp/outbound/AbstractAmqpOutboundEndpoint.java
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1.251 fun-io-jackson 2.3.0

1.251.1 Available under license :

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1.252 redisson-spring-boot-starter 3.25.0

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 */
```

Found in path(s):

```
* /redisson-spring-boot-starter-3-25-0-sources-1-jar/org/redisson/spring/starter/RedissonAutoConfiguration.java
* /redisson-spring-boot-starter-3-25-0-sources-1-
jar/org/redisson/spring/starter/PropertiesRedisConnectionDetails.java
* /redisson-spring-boot-starter-3-25-0-sources-1-
jar/org/redisson/spring/starter/RedissonAutoConfigurationCustomizer.java
*
/redisson-spring-boot-starter-3-25-0-sources-1-jar/org/redisson/spring/starter/RedissonAutoConfigurationV2.java
* /redisson-spring-boot-starter-3-25-0-sources-1-jar/org/redisson/spring/starter/RedissonProperties.java
```

1.253 springdoc-openapi-starter-common

2.7.0

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```

/springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/converters/RepresentationModelLinksOASMixin.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/providers/ObjectMapperProvider.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/ui/SpringDocUIException.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/configuration/oauth2/SpringDocOAuth2AuthorizationServerMetadata.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/converters/models/DefaultPageable.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/configuration/SpringDocSortConfiguration.java
*

```

```

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* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/fn/builders/exampleobject/Builder.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/mixins/SortedSchemaMixin.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/service/OperationService.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/utils/PropertyResolverUtils.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/models/ControllerAdviceInfo.java
*
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/models/ParameterId.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/customizers/OpenApiHateoasLinksCustomizer.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/fn/builders/arrayschema/Builder.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/models/ParameterInfo.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/providers/DataRestHalProvider.java
*
/springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/providers/JavadocProvider.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/conditions/CacheOrGroupedOpenApiCondition.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/ui/AbstractSwaggerIndexTransformer.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/fn/builders/header/Builder.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/mixins/SortedSchemaMixin31.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-

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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/providers/CloudFunctionProvider.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/fn/AbstractRouterFunctionVisitor.java
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```

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/springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/fn/builders/operation/Builder.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/configuration/oauth2/SpringDocOidcProviderConfiguration.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/properties/SwaggerUiConfigParameters.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/providers/SpringDataWebPropertiesProvider.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/providers/SpringWebProvider.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/fn/builders/extensionproperty/Builder.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/providers/WebConversionServiceProvider.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/converters/models/SortObject.java
*
/springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/converters/PolymorphicModelConverter.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-
jar/org/springdoc/core/customizers/ServerBaseUrlCustomizer.java

```

```

* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/models/RequestBodyInfo.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/data/DataRestRepository.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/api/AbstractOpenApiResource.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/fn/builders/schema/Builder.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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*
/springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/models/MethodAttributes.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/mixins/SortedOpenAPIMixin.java
* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/providers/ActuatorProvider.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/customizers/OpenApiCustomizer.java
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* /springdoc-openapi-starter-common-2-7-0-sources-1-
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* /springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/mixins/SortedOpenAPIMixin31.java
*
/springdoc-openapi-starter-common-2-7-0-sources-1-jar/org/springdoc/core/converters/models/Pageable.java

```

1.254 attr 2.5.2-r2

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1.255 rxjava 3.1.10

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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/fuseable/CancellableQueueFuseable.java
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* /rxjava-3-1-10-sources-
jar/io/reactivex/rxjava3/internal/operators/observable/ObservableWithLatestFromMany.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableToFlowable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableNever.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/FlowableConcatMapSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableBufferTimed.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoAfterTerminate.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subjects/AsyncSubject.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableTimer.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/exceptions/UndeliverableException.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoFinally.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableSerialized.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFromObservable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableWithLatestFromMany.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleToFlowable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscriptions/BasicIntQueueSubscription.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleFromSupplier.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/InnerQueuedObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFlattenIterable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subjects/ReplaySubject.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableAny.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/parallel/ParallelTransformer.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFromArray.java
* /rxjava-3-1-10-sources-
jar/io/reactivex/rxjava3/internal/operators/observable/ObservableWindowBoundarySelector.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableTakeWhile.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleFlatMapMaybe.java
*

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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/LambdaObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableDistinct.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleFlatMapNotification.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSkipLastTimed.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/ExecutorScheduler.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableTake.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/SuppressAnimalSniffer.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/SinglePostCompleteSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/FlowableLastStageSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeDematerialize.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/observers/ResourceObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableMergeArray.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/fuseable/FuseToFlowable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/MaybeOperator.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableCreate.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/operators/SimpleQueue.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableReduceSeedSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableSkip.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleFlatMapBiSelector.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/ArrayListSupplier.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/ErrorMode.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableScalarXMap.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/BlockingSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeDelay.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/FlowableSwitchMapSingle.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableDelay.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeTakeUntilPublisher.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableRetryPredicate.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/exceptions/CompositeException.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleHide.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableLift.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSingleSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeIsEmptySingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableIgnoreElements.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/RxThreadFactory.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/processors/package-info.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeFilter.java

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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableInterval.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableRetryBiPredicate.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeToFlowable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/BackpressureHelper.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableConcatWithSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFromSupplier.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeLift.java
- * /rxjava-3-1-10-sources-
- jar/io/reactivex/rxjava3/internal/operators/completable/CompletableMergeArrayDelayError.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableUnsubscribeOn.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeFlatMapSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/VolatileSizeArrayList.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/MaybeMapOptional.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelMapTry.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFlatMapMaybe.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/QueueDrainObserver.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSequenceEqual.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/BoundedSubscriber.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSkipLast.java
- *
- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeDoOnLifecycle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableRangeLong.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/FlowableConcatMapMaybe.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableDoOnEach.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeFromAction.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableRetryBiPredicate.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDefer.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowablePublishMulticast.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/FlowableFromStream.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableTimeInterval.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subjects/Subject.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleUnsubscribeOn.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/FlowableCollectWithCollector.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableCreate.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDelay.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeDoAfterSuccess.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/observers/DisposableObserver.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableThrottleFirstTimed.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subscribers/package-info.java
- *
- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/FlowableSwitchMapSinglePublisher.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/disposables/SerialDisposable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDistinctUntilChanged.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/queue/MpscLinkedQueue.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableLastMaybe.java


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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelConcatMap.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDelayWithSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/ObservableSwitchMapCompletable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/Function.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableCache.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeFlatMapCompletable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/SingleTransformer.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableCollect.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableError.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDelayWithObservable.java

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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableTakePublisher.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableTimeInterval.java
- *
- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableElementAtSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableRepeatUntil.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/disposables/AutoCloseableDisposable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableSubscribeOn.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/exceptions/Exceptions.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableGroupJoin.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/disposables/FutureDisposable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableSkipLast.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeMaterialize.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableDoOnLifecycle.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableBufferBoundary.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableCollectSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/annotations/Nullable.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/MaybeFlatMapPublisher.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/schedulers/Timed.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFromCallable.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/processors/UnicastProcessor.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/FlowableEmitter.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeTimeoutPublisher.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/disposables/package-info.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableTimer.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/ObservableSwitchMapSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/OpenHashSet.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/functions/Functions.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableFlatMapStream.java
- * /rxjava-3-1-10-sources-
- jar/io/reactivex/rxjava3/internal/operators/completable/CompletableMergeDelayErrorIterable.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/SchedulerWhen.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/QueueDrainSubscriber.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableMap.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableWindowBoundary.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableUsing.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableConcatMapEager.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableScanSeed.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/observables/GroupedObservable.java

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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFromIterable.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableBlockingSubscribe.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleLift.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/MaybeFromCompletionStage.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeObserveOn.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableTimeoutTimed.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableMergeIterable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleFlatMapCompletable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableConcatMap.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/Function6.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subscribers/DisposableSubscriber.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFilter.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subjects/SingleSubject.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/NonBlockingThread.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableLastSingle.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableWindow.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableCollectWithCollectorSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableFirstStageObserver.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/MaybeFlatMapObservable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFromCompletable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ParallelCollector.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableSingleStageObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeIgnoreElement.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeFromFuture.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableGenerate.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/SafeMaybeObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFromPublisher.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableFromPublisher.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/CompletionStageConsumer.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableTakeLastTimed.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleCache.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleZipArray.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeUsing.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableElementAtMaybe.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/ObservableSwitchMapMaybe.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/parallel/ParallelFlowableConverter.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDetach.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableTake.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/AbstractMaybeWithUpstream.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeNever.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/FlowableFromCompletionStage.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFromArray.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/CompletableSource.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Notification.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/LinkedList.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableMergeWithSingle.java

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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/MergerBiFunction.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeTakeUntilMaybe.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleZipIterable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableOnBackpressureBuffer.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/SchedulerMultiWorkerSupport.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoOnSuccess.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeCreate.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/BackpressureStrategy.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/processors/MulticastProcessor.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/SingleSource.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/exceptions/MissingBackpressureException.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableAmb.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleInternalHelper.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableConcatWithMaybe.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/Function8.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeTimer.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObserverResourceWrapper.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableMaterialize.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableDoOnEvent.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleAmb.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableLift.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeZipArray.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableMergeWithCompletable.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableRepeatWhen.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSampleTimed.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableOnErrorComplete.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/exceptions/ProtocolViolationException.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelCollect.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFromPublisher.java

- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableObserveOn.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/QueueDrainHelper.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableStageObserver.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableElementAt.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/ScheduledDirectTask.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/processors/ReplayProcessor.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Single.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableCache.java
- *
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDelaySubscriptionOther.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscriptions/SubscriptionArbiter.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableDebounce.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/FlowableOperator.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableReduce.java

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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelFilter.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelReduce.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFlattenIterable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/SingleFromCompletionStage.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleSubscribeOn.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Flowable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeCallbackObserver.java
* /rxjava-3-1-10-sources-
jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableElementAtMaybePublisher.java

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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableIntervalRange.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFromFuture.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/operators/SimplePlainQueue.java
- *
- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableFromSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoOnLifecycle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDoOnLifecycle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDoAfterNext.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/ObservableConcatMapMaybe.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/observers/package-info.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableError.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subjects/UnicastSubject.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/annotations/CheckReturnValue.java
- * /rxjava-3-1-10-sources-
- jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableWindowBoundarySelector.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFlatMap.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/disposables/ArrayCompositeDisposable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableCombineLatest.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableToListSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleTakeUntil.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/IntFunction.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/fuseable/HasUpstreamCompletableSource.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableDoFinally.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableAutoConnect.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subscribers/SerializedSubscriber.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/EmptyComponent.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ParallelFlatMapStream.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableFromRunnable.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoOnError.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleOnErrorComplete.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableDelay.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/observers/LambdaConsumerIntrospection.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/HashMapSupplier.java
- * /rxjava-3-1-10-sources-
- jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFlatMapCompletableCompletable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/FutureObserver.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleMap.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableToList.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableEmpty.java


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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableElementAtMaybe.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/BlockingLastObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableCollectWithCollector.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/BasicFuseableSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/BlockingFirstObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/BackpressureOverflowStrategy.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableRefCount.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableSingleMaybe.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableIgnoreElements.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableRefCount.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/disposables/ListCompositeDisposable.java
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* /rxjava-3-1-10-sources-
jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFlatMapCompletableCompletable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeToSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableBufferExactBoundary.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableEmpty.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/SingleMapOptional.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDistinct.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/BasicFuseableConditionalSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/BlockingObserver.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableOnBackpressureLatest.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoOnEvent.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/SchedulerPoolFactory.java
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* /rxjava-3-1-10-sources-
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableOnErrorComplete.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/plugins/package-info.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/subscribers/DefaultSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableTimeout.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableRepeat.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/disposables/ActionDisposable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDoFinally.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/parallel/package-info.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/annotations/BackpressureKind.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/AbstractFlowableWithUpstream.java
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jar/io/reactivex/rxjava3/internal/operators/observable/ObservableSampleWithObservable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableToObservable.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/ObservableQueueDrain.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleUsing.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/Function7.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableIntervalRange.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelRunOn.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Emitter.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/BlockingLastSubscriber.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscriptions/EmptySubscription.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/operators/QueueDisposable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeOnErrorNext.java

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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableMapOptional.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableJust.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleResumeNext.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Scheduler.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableConcatWithCompletable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeToPublisher.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/observers/ResourceSingleObserver.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/EmptyCompletableObserver.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeErrorCallable.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleTimeInterval.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableGroupJoin.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/operators/QueueFuseable.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableSubscribeOn.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/BlockingHelper.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Observable.java

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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/disposables/CompositeDisposable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableErrorSupplier.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableDematerialize.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableUnsubscribeOn.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/flowables/package-info.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/operators/SpscLinkedArrayQueue.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/completable/CompletableConcatIterable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/schedulers/SchedulerRunnableIntrospection.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ParallelMapTryOptional.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/BlockingFirstSubscriber.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/annotations/package-info.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/MaybeObserver.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableReplay.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/Observer.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/parallel/ParallelFilterTry.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableDebounceTimed.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/exceptions/package-info.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableConcatArray.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/FlowableConverter.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableLift.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/FlowableSwitchMapMaybe.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/SingleFlattenStreamAsFlowable.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeOnErrorReturn.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleFlatMapIterableObservable.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/annotations/Experimental.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableWithLatestFrom.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableElementAt.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/HalfSerializer.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableReduceMaybe.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableTakeLastTimed.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/schedulers/ComputationScheduler.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleDoOnTerminate.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableObserveOn.java
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- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableOnErrorNext.java
- * /rxjava-3-1-10-sources-
- jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableOnBackpressureBufferStrategy.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybePeek.java
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- * /rxjava-3-1-10-sources-
- jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableWindowSubscribeIntercept.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/single/SingleTimeout.java
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- /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFlatMapSinglePublisher.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/operators/SpSCArrayQueue.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableSequenceEqualSingle.java
- * /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeConcatIterable.java

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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/observable/ObservableFilter.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeDefer.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/ObservableFromStream.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/maybe/MaybeContains.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableCollect.java
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/rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableFromAction.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/core/MaybeConverter.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/BiFunction.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/functions/package-info.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/mixed/FlowableSwitchMapMaybePublisher.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/jdk8/FlowableCollectWithCollectorSingle.java
* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/operators/flowable/FlowableRetryWhen.java
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* Original location: https://github.com/JCTools/JCTools/blob/master/jctools-
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```

* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/util/Pow2.java
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* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/DisposableAutoReleaseMultiObserver.java

* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/subscribers/DisposableAutoReleaseSubscriber.java

* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/AbstractDisposableAutoRelease.java

* /rxjava-3-1-10-sources-jar/io/reactivex/rxjava3/internal/observers/DisposableAutoReleaseObserver.java

1.256 jackson 2.18.2

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

It is currently developed by a community of developers.

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- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioXnioWorker.java
- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioUdpChannel.java
- *
- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/OsgiActivator.java
- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioXnioProvider.java
- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/AbstractNioChannel.java
- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioTcpServer.java
- * /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/WorkerThread.java
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#
# This module defines the NIO XNIO provider
org.xnio.nio.NioXnioProvider

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* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioPipeStreamConnection.java

* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioPipeSourceConduit.java

* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioTcpServerHandle.java

* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioHandle.java

*

/xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioSocketConduit.java

* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioSocketStreamConnection.java

* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/AbstractNioStreamConnection.java
* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioUdpChannelHandle.java
* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioPipeSinkConduit.java
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* /xnio-nio-3-8-16-final-sources-1-jar/org/xnio/nio/NioXnio.java
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1.258 spring-boot 3.4.3

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jar/org/springframework/cloud/consul/serviceregistry/ConsulServiceRegistry.java

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jar/org/springframework/cloud/consul/discovery/ConsulDiscoveryClientConfiguration.java

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jar/org/springframework/cloud/consul/serviceregistry/ConsulServiceRegistryAutoConfiguration.java

* /spring-cloud-consul-discovery-4-2-0-sources-jar/org/springframework/cloud/consul/discovery/TtlScheduler.java

* /spring-cloud-consul-discovery-4-2-0-sources-

jar/org/springframework/cloud/consul/serviceregistry/ConsulAutoServiceRegistrationListener.java

* /spring-cloud-consul-discovery-4-2-0-sources-

jar/org/springframework/cloud/consul/discovery/ConsulDiscoveryClient.java

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jar/org/springframework/cloud/consul/discovery/configclient/ConsulDiscoveryClientConfigServiceBootstrapConfiguration.java

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jar/org/springframework/cloud/consul/support/ConsulHeartbeatAutoConfiguration.java

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jar/org/springframework/cloud/consul/serviceregistry/ApplicationStatusProvider.java
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jar/org/springframework/cloud/consul/serviceregistry/ConsulRegistration.java
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jar/org/springframework/cloud/consul/discovery/configclient/ConsulConfigServerAutoConfiguration.java
* /spring-cloud-consul-discovery-4-2-0-sources-
jar/org/springframework/cloud/consul/discovery/HeartbeatProperties.java
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jar/org/springframework/cloud/consul/discovery/ConsulCatalogWatchAutoConfiguration.java
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jar/org/springframework/cloud/consul/discovery/ReregistrationPredicate.java
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jar/org/springframework/cloud/consul/serviceregistry/ConsulAutoServiceRegistration.java
*
/spring-cloud-consul-discovery-4-2-0-sources-
jar/org/springframework/cloud/consul/discovery/ConsulCatalogWatch.java
* /spring-cloud-consul-discovery-4-2-0-sources-
jar/org/springframework/cloud/consul/discovery/reactive/ConsulReactiveDiscoveryClientConfiguration.java
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jar/org/springframework/cloud/consul/serviceregistry/ConsulRegistrationCustomizer.java
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jar/org/springframework/cloud/consul/discovery/reactive/ConsulReactiveDiscoveryClient.java
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jar/org/springframework/cloud/consul/discovery/ConditionalOnConsulDiscoveryEnabled.java

1.260 zstd 1.5.7-r0

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1.261 commons-csv 1.13.0

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1.263 spring-security-config 6.4.3

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1.265 alpine-base 3.21.5-r0

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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/ReadOnlyHttpHeaders.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpMessage.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpResponseDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketUtil.java
*

/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpVersion.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaders.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/package-info.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/package-info.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpHeaders.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpRequestEncoder.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpMethod.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpContent.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostRequestEncoder.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspResponseEncoder.java

*

/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdySession.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpContentEncoder.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrame.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpContentDecoder.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/Attribute.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/FileUpload.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/package-info.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketVersion.java
 *
 /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpContentDecompressor.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpContentCompressor.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakerFactory.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/PongWebSocketFrame.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpConstants.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/package-info.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/DiskAttribute.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker13.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpRequest.java
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 /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpRequest.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker07.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpResponseStatus.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpServerCodec.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/MemoryAttribute.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpHeaders.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/TextWebSocketFrame.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/HttpDataFactory.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
 *
 /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/InterfaceHttpPostRequestDecoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpResponse.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultLastHttpContent.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/MemoryFileUpload.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpHeaders.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpRequestDecoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker08.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/LastHttpContent.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpContent.java
 *
 /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/CookieDecoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/InternalAttribute.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspVersions.java

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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpObject.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HTTPHeaderDateFormat.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostRequestDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpObjectEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/Cookie.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspResponseStatuses.java
*
/netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketHandshakeException.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultCookie.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/MixedAttribute.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspRequestEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/package-info.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspObjectDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/HttpData.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostBodyUtil.java
*
/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/InterfaceHttpData.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/DiskFileUpload.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpClientCodec.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameEncoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker00.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/AbstractHttpData.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpObjectAggregator.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/QueryStringDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpObjectDecoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/multipart/HttpPostMultipartRequestDecoder.java
*
/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspRequestDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/BinaryWebSocketFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/AbstractDiskHttpData.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpObject.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/CaseIgnoringComparator.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspMethods.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspResponseDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpResponse.java
*
/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpMessage.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpResponseEncoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java

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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/QueryStringEncoder.java

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* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java

*

/netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolConfig.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java

*

/netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java

* /netty-codec-http-4-1-118-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
*
/netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/ClientCookieEncoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpStatusClass.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.
java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
*
/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
* /netty-codec-http-4-1-118-final-sources-

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jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpHeaderNames.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java
*
/netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandler.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameClientExtensionHandshaker.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
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/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.j
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* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
*
/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/ServerCookieEncoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
* /netty-codec-http-4-1-118-final-sources-

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jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandshaker.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/multipart/DeleteFileOnExitHook.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakeException.java
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* Adaptation of <https://bjoern.hoehrmann.de/utf-8/decoder/dfa/>

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 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
 *

/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/CookieUtil.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/rtsp/RtspDecoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
 *

/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpScheme.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpUtil.java
 * /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/cookie/package-info.java

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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/TooLongHttpContentException.java

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/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyPingFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/FullHttpResponse.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaders.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockJZlibEncoder.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/FullHttpMessage.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdySessionStatus.java
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* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdySettingsFrame.java
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/netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java
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* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
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Found in path(s):

```
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyUnknownFrame.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/spdy/SpdyUnknownFrame.java
* /netty-codec-http-4-1-118-final-sources-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoderExtendedDelegate.java
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```

* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpDecoderConfig.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/HttpHeadersFactory.java
* /netty-codec-http-4-1-118-final-sources-jar/io/netty/handler/codec/http/DefaultHttpHeadersFactory.java
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```

* /netty-codec-http-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-codec-http/pom.xml

```

1.267 netty-handler 4.1.118.Final

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/address/package-info.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PseudoRandomFunction.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/traffic/package-info.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/traffic/TrafficCounter.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/flush/package-info.java
 *
 /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemValue.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Java8SslUtils.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/flow/package-info.java
 * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
 *
 /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java

*

/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Conscrypt.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/StacklessSSLHandshakeException.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslClientSessionCache.java

*

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionCache.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionId.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Ciphers.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslProtocols.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/GroupsConverter.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslContextOption.java

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/pcap/PcapWriteHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/pcap/TCPpacket.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/pcap/IPPacket.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/pcap/EthernetPacket.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/pcap/UDPPacket.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/pcap/PcapWriter.java

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ClientAuth.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java

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- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
- *
- /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslProvider.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
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- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkSslContext.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SniHandler.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
- *
- /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslContext.java
- * /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/PemReader.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
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/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslContext.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSsl.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/package-info.java
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Found in path(s):

```

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslInternalSession.java

```


* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java

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* /netty-handler-4-1-118-final-sources-jar/META-INF/native-image/io.netty/netty-handler/native-image.properties
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslClosedEngineException.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/address/ResolveAddressHandler.java

*

/netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilter.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/logging/ByteBufFormat.java

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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateCompressionAlgorithm.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/BouncyCastlePemReader.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java

* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedNioStream.java

*

/netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/TimeoutException.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/NotSslRecordException.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedStream.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedFile.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/package-info.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/package-info.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/logging/LogLevel.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/package-info.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/logging/LoggingHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
*
/netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedInput.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/logging/package-info.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/util/package-info.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/timeout/IdleStateHandler.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/stream/ChunkedNioFile.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslHandlerCoalescingBufferQueue.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ResumableX509ExtendedTrustManager.java
*
* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/ResumptionController.java
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* /netty-handler-4-1-118-final-sources-jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java

```

1.268 netty-handler-proxy 4.1.118.Final

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```

* /netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java
* /netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
*
/netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/ProxyConnectException.java
* /netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java
* /netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/package-info.java
* /netty-handler-proxy-4-1-118-final-sources-jar/io/netty/handler/proxy/ProxyHandler.java

```

1.269 springdoc-openapi-starter-webmvc-ui

2.7.0

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 /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerWebMvcConfigurer.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerConfigResource.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerIndexTransformer.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerWelcomeCommon.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerResourceResolver.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-jar/org/springdoc/webmvc/ui/SwaggerUiHome.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerIndexPageTransformer.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
jar/org/springdoc/webmvc/ui/SwaggerWelcomeWebMvc.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-jar/org/springdoc/webmvc/ui/SwaggerConfig.java
* /springdoc-openapi-starter-webmvc-ui-2-7-0-sources-1-
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1.270 jackson-databind 2.18.2

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Found in path(s):

```
* /feign-form-13-5-sources-1-jar/feign/form/multipart/ManyParametersWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/FormData.java
* /feign-form-13-5-sources-1-jar/feign/form/FormEncoder.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/PojoWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/FormDataReader.java
*
* /feign-form-13-5-sources-1-jar/feign/form/multipart/SingleFileWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/SingleParameterWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/UrlencodedFormContentProcessor.java
* /feign-form-13-5-sources-1-jar/feign/form/FormProperty.java
* /feign-form-13-5-sources-1-jar/feign/form/MultipartFormContentProcessor.java
* /feign-form-13-5-sources-1-jar/feign/form/ContentProcessor.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/DelegateWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/Output.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/AbstractWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/Writer.java
* /feign-form-13-5-sources-1-jar/feign/form/ContentType.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/ManyFilesWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/multipart/ByteArrayWriter.java
* /feign-form-13-5-sources-1-jar/feign/form/util/PojoUtil.java
```

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Found in path(s):

* /feign-form-13-5-sources-1-jar/META-INF/maven/io.github.openfeign/feign-form/pom.xml

1.272 tre 0.8.0-r2

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1.273 guava 32.1.3-jre

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1.274 libcurl 8.14.1-r2

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1.275 jakarta-xml-ws-api 4.0.2

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1.276 spring-web 6.2.3

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1.277 jaxb-runtime 4.0.5

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<https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations>

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- * License: Pending
- *
- Project: <https://maven.apache.org/wagon/>
- * Source:
<https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>

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1.278 alpine-baselayout-data 3.6.8-r1

1.278.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
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pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/${_pkgreal}-${pkgver}.tar.gz"
```

```
_builddir="$srcdir/${_pkgreal}-${pkgver}"
```

```
prepare() {  
  cd "$_builddir"  
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`  
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor  
}
```

```
build() {  
  cd "$_builddir"  
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`  
  make && make test  
}
```

```
package() {  
  cd "$_builddir"  
  make  
  DESTDIR="$pkgdir" install || return 1  
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete  
}
```

md5sums="0c5fd53d93818566234578b27d667b35 Software-License-0.103004.tar.gz"

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_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=0
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
    cd "$builddir"
    python3 setup.py build || return 1
}

package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90flake8-copyright-0.2.0.tar.gz"
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=1
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

_buildddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    make && make test || return 1
}

package() {
    cd "$_buildddir"
    make DESTDIR="$pkgdir" install || return 1
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    \ ( -name perllocal.pod -o -name .packlist ) -delete
}

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sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06 BSD-Resource-1.2909.tar.gz"
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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="http://ftp.gnome.org/pub/GNOME/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2
"

_buildddir="$srcdir"/libart-lgpl-$pkgver

prepare() {
    cd "$_buildddir"
    update_config_sub || return 1
}

build() {
    cd "$_buildddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        || return 1
    make || return 1
}

package() {
    cd "$_buildddir"
    make DESTDIR="$pkgdir" install || return 1
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302 libart-lgpl-2.3.21.tar.bz2"

```

1.279 spring-orm 6.2.3

1.279.1 Available under license :

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 */

Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateSystemException.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/ConfigurableJtaPlatform.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/support/OpenEntityManagerInViewFilter.java
 *
 /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/support/AsyncRequestInterceptor.java
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Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateOptimisticLockingFailureException.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SpringSessionSynchronization.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/PersistenceManagedTypes.java
 *
 /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/support/InjectionCodeGenerator.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateObjectRetrievalFailureException.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/SimplePersistenceManagedTypes.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/support/HibernateDaoSupport.java

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 */
```

Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/SmartPersistenceUnitInfo.java
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 */
```

Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/JpaOptimisticLockingFailureException.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/PersistenceUnitManager.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/PersistenceUnitPostProcessor.java
*
/spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/JpaObjectRetrievalFailureException.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/EntityManagerProxy.java
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 */

Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/DefaultJpaDialect.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateOperations.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/support/OpenSessionInterceptor.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SpringSessionContext.java
 *
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/EntityManagerFactoryAccessor.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/support/SharedEntityManagerBean.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/AbstractJpaVendorAdapter.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/JpaDialect.java

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Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/EclipseLinkJpaDialect.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/AbstractEntityManagerFactoryBean.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/LocalContainerEntityManagerFactoryBean.java
 *

```

/spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/LocalEntityManagerFactoryBean.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/LocalSessionFactoryBean.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateTransactionManager.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/EntityManagerRuntimeHints.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/PersistenceUnitReader.java
* /spring-orm-6-2-3-sources-
jar/org/springframework/orm/jpa/persistenceunit/PersistenceManagedTypesBeanRegistrationAotProcessor.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/HibernateJpaVendorAdapter.java
* /spring-orm-6-2-3-sources-
jar/org/springframework/orm/jpa/persistenceunit/PersistenceManagedTypesScanner.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/SpringHibernateJpaPersistenceProvider.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/JpaTransactionManager.java
*
/spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/DefaultPersistenceUnitManager.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/ManagedClassNameFilter.java
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*/
/**
* Create a transactional EntityManager proxy for the given EntityManagerFactory.
* @param emf the EntityManagerFactory to obtain EntityManagers from as needed
* @param properties the properties to be passed into the
* {@code createEntityManager} call (may be {@code null})
* @param entityManagerInterfaces
the interfaces to be implemented by the
* EntityManager. Allows the addition or specification of proprietary interfaces.
* @return a shareable transactional EntityManager proxy
*/

```

Found in path(s):

```

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/SharedEntityManagerCreator.java
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Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/Database.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateCallback.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/support/OpenEntityManagerInViewInterceptor.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/support/AsyncRequestInterceptor.java
 *
 /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/EntityManagerHolder.java
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* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/support/OpenSessionInViewFilter.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SessionHolder.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/EntityManagerFactoryInfo.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/MutablePersistenceUnitInfo.java
 *
 /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/JpaVendorAdapter.java
 * /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/support/OpenSessionInViewInterceptor.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SpringJtaSessionContext.java

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* /spring-orm-6-2-3-sources-jar/org/springframework/orm/ObjectRetrievalFailureException.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateTemplate.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SessionFactoryUtils.java

* /spring-orm-6-2-3-sources-

jar/org/springframework/orm/jpa/support/PersistenceAnnotationBeanPostProcessor.java

*

/* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateExceptionTranslator.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/ObjectOptimisticLockingFailureException.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/EclipseLinkJpaVendorAdapter.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SpringBeanContainer.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/vendor/HibernateJpaDialect.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/SpringFlushSynchronization.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/ExtendedEntityManagerCreator.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/EntityManagerFactoryUtils.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/SpringPersistenceUnitInfo.java

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/LocalSessionFactoryBuilder.java

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* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/JpaSystemException.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/jpa/persistenceunit/ClassFileTransformerAdapter.java
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Found in path(s):

* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateJdbcException.java
* /spring-orm-6-2-3-sources-jar/org/springframework/orm/hibernate5/HibernateQueryException.java

1.280 netty-incubator-codec-native-quic

0.0.70.Final

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* /netty-incubator-codec-native-quic-0-0-70-final-sources-jar/netty_quic_boringssl.c
* /netty-incubator-codec-native-quic-0-0-70-final-sources-jar/netty_quic.h
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Found in path(s):

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1.281 libcrypto3 3.3.5-r0

1.281.1 Available under license :

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=1
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdft rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname=$pkgver-r$pkgrel"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt; do
        local
        license=${i##*/}
        echo "${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}
```

```

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
"

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
# some GNU autoconf options are ignored, but it works
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr \
--sysconfdir=/etc \
--mandir=/usr/share/man \
--localstatedir=/var/lib # it really shouldn't be in /var
make
}

package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
bsd-games-3.3.tar.gz
"

# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.3.0
pkgrel=1

```

```

pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

sha512sums="
3fe4ac8830085fe38d8ee713a332047941b2a7a8ff5f31810b124c5903335a8343a222926aefe000da66a49b4d6f8b934
af3cc350448b075a4ec6aa1fdb51aef
    license-expression-30.3.0.tar.gz
"

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Automatically generated by apkbuild-cpan, template 4

Contributor: Valery Kartel <valery.kartel@gmail.com>

Maintainer: Celeste <cielesti@protonmail.com>

pkgname=perl-bsd-resource

pkgver=1.2911

pkgrel=9

#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan

_pkgreal=BSD-Resource

pkgdesc="Perl extension implements the BSD process resource limit functions"

url="https://metacpan.org/release/BSD-Resource/"

arch="all"

license="Artistic-2.0 OR LGPL-2.0"

depends="perl"

makedepends="perl-dev"

subpackages="\$pkgname-doc"

source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-\$pkgver.tar.gz"

builddir="\$srcdir/\${_pkgreal}-\${pkgver}"

build() {

export CFLAGS=\$(perl -MConfig -E 'say \$Config{ccflags}')

PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \

INSTALLDIRS=vendor \

NO_PACKLIST=1 \

NO_PERLLOCAL=1

make

}

check() {

export CFLAGS=\$(perl -MConfig -E 'say \$Config{ccflags}')

make test

}

package() {

make DESTDIR="\$pkgdir" install

}

sha512sums="

d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b

8065ba65f4fea16dc9262728b3b6b85

BSD-Resource-1.2911.tar.gz

"

Vintage Dreams Waves v 2.0. for Creative Labs' AWE Soundcards
(EMU Soundfont 2 Format)

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vintagedreamworks@hotmail.com

<http://www.geocities.com/SiliconValley/Campus/8645/index.html>

<http://members.nbc.com/silicon39/>

<http://www.mp3.com/silicon39>

<https://analoguesque.x10host.com/>

Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

subpackages="\$pkgname-dev"

source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-\$pkgver.tar.bz2"

"

builddir="\$srcdir"/libart-lgpl-\$pkgver

```
prepare() {  
  update_config_sub  
  default_prepare  
}
```

```
build() {  
  ./configure \  
  --build=$CBUILD \  
  --host=$CHOST \  
  --prefix=/usr  
  make  
}
```

```
package() {  
    make DESTDIR="$pkgdir" install  
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7  
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"  
mini_sendmail - accept email on behalf of real sendmail
```

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SUCH DAMAGE.

Contributor: Patrycja Rosa <alpine@ptrcnll.me>

Maintainer: Patrycja Rosa <alpine@ptrcnll.me>

pkgname=bsd-compat-headers

pkgver=0.7.2

pkgrel=6

pkgdesc="BSD compatibility headers (cdefs, queue, tree)"

url="https://gitlab.alpinelinux.org/alpine/aports"

arch="noarch"

license="BSD-2-Clause AND BSD-3-Clause"

source="

cdefs.h

queue.h

tree.h

"

builddir="\$srcdir"

```
options="!check" # just headers
```

```
package() {  
  mkdir -p "$pkgdir"  
  install -Dm644 -t "$pkgdir"/usr/include/sys \  
    cdefs.h queue.h tree.h  
}  
sha512sums="  
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312  
7006442c3f019b6447a620c0cae73178 cdefs.h  
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86  
11ea33987d4faba37dde5ce6da0750 queue.h  
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da  
cef2092881eded0a2e94f6a07752ef3 tree.h  
"
```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

```
/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */
```

```
/*
```

```
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```

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 *
 * @(#)queue.h 8.5 (Berkeley) 8/20/94
 */

```
#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_
```

```
/*
 * This file defines five types of data structures: singly-linked lists,
 * lists, simple queues, tail queues, and circular queues.
 *
 * A singly-linked list is headed by a single forward pointer. The
 * elements are singly linked for minimum space and
 * pointer manipulation
 * overhead at the expense of O(n) removal for arbitrary elements. New
 * elements can be added to the list after an existing element or at the
 * head of the list. Elements being removed from the head of the list
 * should use the explicit macro for this purpose for optimum
 * efficiency. A singly-linked list may only be traversed in the forward
 * direction. Singly-linked lists are ideal for applications with large
 * datasets and few or no removals or for implementing a LIFO queue.
 */
```

- * A list is headed by a single forward pointer (or an array of forward
- * pointers for a hash table header). The elements are doubly linked
- * so that an arbitrary element can be removed without a need to
- * traverse the list. New elements can be added to the list before
- * or after an existing element or at the head of the list. A list
- * may only be traversed in the forward direction.
- *
- * A simple queue is headed by a pair of pointers, one the head of the
- * list and the
- other to the tail of the list. The elements are singly
- * linked to save space, so elements can only be removed from the
- * head of the list. New elements can be added to the list after
- * an existing element, at the head of the list, or at the end of the
- * list. A simple queue may only be traversed in the forward direction.
- *
- * A tail queue is headed by a pair of pointers, one to the head of the
- * list and the other to the tail of the list. The elements are doubly
- * linked so that an arbitrary element can be removed without a need to
- * traverse the list. New elements can be added to the list before or
- * after an existing element, at the head of the list, or at the end of
- * the list. A tail queue may be traversed in either direction.
- *
- * A circle queue is headed by a pair of pointers, one to the head of the
- * list and the other to the tail of the list. The elements are doubly
- * linked so that an arbitrary element can be removed without a need to
- * traverse the list. New elements
- can be added to the list before or after
- * an existing element, at the head of the list, or at the end of the list.
- * A circle queue may be traversed in either direction, but has a more
- * complex end of list detection.
- *
- * For details on the use of these macros, see the queue(3) manual page.
- */

/*

- * Include the definition of NULL only on NetBSD because sys/null.h
- * is not available elsewhere. This conditional makes the header
- * portable and it can simply be dropped verbatim into any system.
- * The caveat is that on other systems some other header
- * must provide NULL before the macros can be used.
- */

```
#ifdef __NetBSD__
#include <sys/null.h>
#endif

#if defined(QEUEDEBUG)
# if defined(_KERNEL)
#  define QEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
```

```

# else
# include <err.h>
# define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

/*
 * Singly-linked List definitions.
 */
#define SLIST_HEAD(name, type) \
struct name { \
    struct type *slh_first; /* first \
    element */ \
}

#define SLIST_HEAD_INITIALIZER(head) \
{ NULL }

#define SLIST_ENTRY(type) \
struct { \
    struct type *sle_next; /* next element */ \
}

/*
 * Singly-linked List access methods.
 */
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head) NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field) \
for((var) = (head)->slh_first; \
    (var) != SLIST_END(head); \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = SLIST_FIRST((head)); \
    (var) != SLIST_END(head) && \
    ((tvar) = SLIST_NEXT((var), field), 1); \
    (var) = (tvar))

/*
 * Singly-linked List functions.
 */
#define SLIST_INIT(head) do { \
    (head)->slh_first = SLIST_END(head); \
} while (/*CONSTCOND*/0)

```

```
#define SLIST_INSERT_AFTER(slistelm, elm, field) do { \
    (elm)->field.sle_next = (slistelm)->field.sle_next; \
    (slistelm)->field.sle_next \
    = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define SLIST_INSERT_HEAD(head, elm, field) do { \
    (elm)->field.sle_next = (head)->slh_first; \
    (head)->slh_first = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define SLIST_REMOVE_AFTER(slistelm, field) do { \
    (slistelm)->field.sle_next = \
        SLIST_NEXT(SLIST_NEXT((slistelm), field), field); \
} while (/*CONSTCOND*/0)
```

```
#define SLIST_REMOVE_HEAD(head, field) do { \
    (head)->slh_first = (head)->slh_first->field.sle_next; \
} while (/*CONSTCOND*/0)
```

```
#define SLIST_REMOVE(head, elm, type, field) do { \
    if ((head)->slh_first == (elm)) { \
        SLIST_REMOVE_HEAD((head), field); \
    } \
    else { \
        struct type *curelm = (head)->slh_first; \
        while(curelm->field.sle_next != (elm)) \
            curelm = curelm->field.sle_next; \
        curelm->field.sle_next = \
            curelm->field.sle_next->field.sle_next; \
    } \
} while (/*CONSTCOND*/0)
```

```
/*
```

```
* List definitions.
```

```
*/
```

```
#define LIST_HEAD(name, type) \
struct name { \
    struct type *lh_first; /* first element */ \
}
```

```
#define LIST_HEAD_INITIALIZER(head) \
{ NULL }
```

```
#define LIST_ENTRY(type) \
struct { \
```

```

struct type *le_next; /* next element */ \
struct type **le_prev; /* address of previous next element */ \
}

/*
 * List access methods.
 */

#define LIST_FIRST(head) ((head)->lh_first)
#define LIST_END(head) NULL
#define LIST_EMPTY(head) ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field) ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field) \
for ((var) = ((head)->lh_first); \
     (var) != LIST_END(head); \
     (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = LIST_FIRST((head)); \
     (var) != LIST_END(head) && \
     ((tvar) = LIST_NEXT((var), field), 1); \
     (var) = (tvar))

#define LIST_MOVE(head1, head2) do { \
LIST_INIT((head2)); \
if (!LIST_EMPTY((head1))) \
{ \
(head2)->lh_first = (head1)->lh_first; \
LIST_INIT((head1)); \
} \
} while (/*CONSTCOND*/0)

/*
 * List functions.
 */

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field) \
if ((head)->lh_first && \
    (head)->lh_first->field.le_prev != &(head)->lh_first) \
QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
    __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field) \
if ((elm)->field.le_next && \
    (elm)->field.le_next->field.le_prev != \
    &(elm)->field.le_next) \
QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm), \
    __FILE__, __LINE__); \
if (*(elm)->field.le_prev != (elm)) \

```



```

    QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field) \
    (elm)->field.le_next = (void *)1L; \
    (elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm,
    field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do { \
    (head)->lh_first = LIST_END(head); \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    if (((elm)->field.le_next = (listelm)->field.le_next) != \
        LIST_END(head)) \
    (listelm)->field.le_next->field.le_prev = \
        &(elm)->field.le_next; \
    (listelm)->field.le_next = (elm); \
    (elm)->field.le_prev = &(listelm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    (elm)->field.le_prev = (listelm)->field.le_prev; \
    (elm)->field.le_next = (listelm); \
    *(listelm)->field.le_prev = (elm); \
    (listelm)->field.le_prev = &(elm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.le_next \
    = (head)->lh_first) != LIST_END(head)) \
    (head)->lh_first->field.le_prev = &(elm)->field.le_next; \
    (head)->lh_first = (elm); \
    (elm)->field.le_prev = &(head)->lh_first; \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do { \
    QUEUEDEBUG_LIST_OP((elm), field) \
    if ((elm)->field.le_next != NULL) \
    (elm)->field.le_next->field.le_prev = \
    (elm)->field.le_prev; \
} while (/*CONSTCOND*/0)

```

```

*(elm)->field.le_prev = (elm)->field.le_next; \
QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do { \
if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
(elm2)->field.le_next->field.le_prev = \
    &(elm2)->field.le_next; \
(elm2)->field.le_prev = (elm)->field.le_prev; \
*(elm2)->field.le_prev = (elm2); \
QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

/*
 * Simple queue definitions.
 */
#define SIMPLEQ_HEAD(name, type) \
struct name { \
    struct \
    type *sqh_first; /* first element */ \
    struct type **sqh_last; /* addr of last next element */ \
}

#define SIMPLEQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type) \
struct { \
    struct type *sqe_next; /* next element */ \
}

/*
 * Simple queue access methods.
 */
#define SIMPLEQ_FIRST(head) ((head)->sqh_first)
#define SIMPLEQ_END(head) NULL
#define SIMPLEQ_EMPTY(head) ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field) \
for ((var) = ((head)->sqh_first); \
    (var) != SIMPLEQ_END(head); \
    (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->sqh_first); \
    (var) != SIMPLEQ_END(head) && \
    ((next = ((var)->field.sqe_next)), 1); \

```

```

    (var) = (next))

/*
 * Simple queue functions.
 */
#define SIMPLEQ_INIT(head) do { \
    (head)->sqh_first = NULL; \
    (head)->sqh_last \
    = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
    (head)->sqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.sqe_next = NULL; \
    *(head)->sqh_last = (elm); \
    (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
    (listelm)->field.sqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do { \
    if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
        (head)->sqh_last = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do { \
    if \
        (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
         == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do { \
    if ((head)->sqh_first == (elm)) { \
        SIMPLEQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->sqh_first; \
        while (curelm->field.sqe_next != (elm)) \
            curelm = curelm->field.sqe_next; \
    } \
} while (/*CONSTCOND*/0)

```

```

if ((curelm->field.sqe_next = \
    curelm->field.sqe_next->field.sqe_next) == NULL) \
    (head)->sqh_last = &(curelm->field.sqe_next; \
} \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do { \
    if (!SIMPLEQ_EMPTY((head2))) { \
        *(head1)->sqh_last = (head2)->sqh_first; \
        (head1)->sqh_last = (head2)->sqh_last; \
        SIMPLEQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field) \
    (SIMPLEQ_EMPTY((head)) ? \
    NULL : \
    ((struct type \
    *) (void *) \
    ((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
 * Tail queue definitions.
 */
#define _TAILQ_HEAD(name, type, qual) \
    struct name { \
        qual type *tqh_first; /* first element */ \
        qual type *qual *tqh_last; /* addr of last next element */ \
    }
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head) \
    { TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual) \
    struct { \
        qual type *tqe_next; /* next element */ \
        qual type *qual *tqe_prev; /* address of previous next element */ \
    }
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
 * Tail queue access methods.
 */
#define TAILQ_FIRST(head) ((head)->tqh_first)
#define TAILQ_END(head) (NULL)
#define TAILQ_NEXT(elm, field) ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \

```

```

(*(((struct headname *) (void *) ((head)->tqh_last))->tqh_last))
#define TAILQ_PREV(elm, headname, field) \
(*(((struct headname *) (void *) ((elm)->field.tqe_prev))->tqh_last))
#define TAILQ_EMPTY(head) (TAILQ_FIRST(head) == TAILQ_END(head))

#define TAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->tqh_first); \
     (var) != TAILQ_END(head); \
     (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->tqh_first); \
     (var) != TAILQ_END(head) && \
     ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field) \
for ((var) = TAILQ_LAST((head), headname); \
     (var) != TAILQ_END(head); \
     (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
for ((var) = TAILQ_LAST((head), headname); \
     (var) != TAILQ_END(head) && \
     ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
 * Tail queue functions.
 */
#if defined(QEUEDEBUG)
#define QEUEDEBUG_TAILQ_INSERT_HEAD(head, \
elm, field) \
if ((head)->tqh_first && \
    (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
    QEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field) \
if (*(head)->tqh_last != NULL) \
    QEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QEUEDEBUG_TAILQ_OP(elm, field) \
if ((elm)->field.tqe_next && \
    (elm)->field.tqe_next->field.tqe_prev != \
    &(elm)->field.tqe_next) \
    QEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.tqe_prev != (elm)) \

```

```

    QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field) \
    if ((elm)->field.tqe_next == NULL && \
        (head)->tqh_last != &(elm)->field.tqe_next) \
        QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d", \
            (head), (elm), __FILE__, \
            __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field) \
    (elm)->field.tqe_next = (void *)1L; \
    (elm)->field.tqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do { \
    (head)->tqh_first = TAILQ_END(head); \
    (head)->tqh_last = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head)) \
        (head)->tqh_first->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
    (head)->tqh_first = (elm); \
    (elm)->field.tqe_prev = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head, \
    elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field) \
    (elm)->field.tqe_next = TAILQ_END(head); \
    (elm)->field.tqe_prev = (head)->tqh_last; \
    *(head)->tqh_last = (elm); \
    (head)->tqh_last = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    if (((elm)->field.tqe_next = (listelm)->field.tqe_next) != \
        TAILQ_END(head)) \

```

```

(elm)->field.tqe_next->field.tqe_prev = \
    &(elm)->field.tqe_next; \
else \
    (head)->tqh_last = &(elm)->field.tqe_next; \
(listelm)->field.tqe_next = (elm); \
(elm)->field.tqe_prev = &(listelm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_OP((listelm), field) \
    (elm)->field.tqe_prev = (listelm)->field.tqe_prev; \
    (elm)->field.tqe_next = (listelm); \
    *(listelm)->field.tqe_prev = (elm); \
    (listelm)->field.tqe_prev \
    = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_PREREMOVE((head), (elm), field) \
    QUEUEDEBDEBUG_TAILQ_OP((elm), field) \
    if (((elm)->field.tqe_next) != TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            (elm)->field.tqe_prev; \
    else \
        (head)->tqh_last = (elm)->field.tqe_prev; \
    *(elm)->field.tqe_prev = (elm)->field.tqe_next; \
    QUEUEDEBDEBUG_TAILQ_POSTREMOVE((elm), field); \
} while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do { \
    if (((elm2)->field.tqe_next = (elm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm2)->field.tqe_next->field.tqe_prev = \
            &(elm2)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm2)->field.tqe_next; \
    (elm2)->field.tqe_prev = (elm)->field.tqe_prev; \
    *(elm2)->field.tqe_prev = (elm2); \
    QUEUEDEBDEBUG_TAILQ_POSTREMOVE((elm), \
    field); \
} while (/*CONSTCOND*/0)

#define TAILQ_CONCAT(head1, head2, field) do { \
    if (!TAILQ_EMPTY(head2)) { \
        *(head1)->tqh_last = (head2)->tqh_first; \
        (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
        (head1)->tqh_last = (head2)->tqh_last; \
        TAILQ_INIT((head2)); \
    }

```

```

    } \
} while (/*CONSTCOND*/0)

/*
 * Singly-linked Tail queue declarations.
 */
#define STAILQ_HEAD(name, type) \
struct name { \
    struct type *stqh_first; /* first element */ \
    struct type **stqh_last; /* addr of last next element */ \
}

#define STAILQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).stqh_first }

#define STAILQ_ENTRY(type) \
struct { \
    struct type *stqe_next; /* next element */ \
}

/*
 * Singly-linked Tail queue access methods.
 */
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head) \
    == STAILQ_END(head))

/*
 * Singly-linked Tail queue functions.
 */
#define STAILQ_INIT(head) do { \
    (head)->stqh_first = NULL; \
    (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (head)->stqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.stqe_next = NULL; \
    *(head)->stqh_last = (elm); \
    (head)->stqh_last = &(elm)->field.stqe_next; \
} while (/*CONSTCOND*/0)

```



```
#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL)\
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (listelm)->field.stqe_next = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_REMOVE_HEAD(head, field) do { \
    if (((head)->stqh_first = (head)->stqh_first->field.stqe_next) \
        == NULL) \
        (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_REMOVE(head, elm, type, field) do { \
    if ((head)->stqh_first == (elm)) { \
        STAILQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->stqh_first; \
        while (curelm->field.stqe_next != (elm)) \
            curelm = curelm->field.stqe_next; \
        if ((curelm->field.stqe_next = \
            curelm->field.stqe_next->field.stqe_next) == NULL) \
            (head)->stqh_last = &(curelm)->field.stqe_next; \
    } \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_FOREACH(var, head, field) \
    for ((var) = ((head)->stqh_first); \
        (var); \
        (var) = ((var)->field.stqe_next))
```

```
#define STAILQ_FOREACH_SAFE(var, head, field, tvar) \
    for ((var) = STAILQ_FIRST((head)); \
        (var) && ((tvar) = STAILQ_NEXT((var), field), 1); \
        (var) = (tvar))
```

```
#define STAILQ_CONCAT(head1, head2) do { \
    if (!STAILQ_EMPTY((head2))) { \
        *(head1)->stqh_last \
        = (head2)->stqh_first; \
        (head1)->stqh_last = (head2)->stqh_last; \
        STAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_LAST(head, type, field) \
    (STAILQ_EMPTY((head)) ? \
    NULL :
```

```
((struct type*)(void *) \
((char*)((head)->stqh_last) - offsetof(struct type, field))))
```

```
#ifndef _KERNEL
```

```
/*
```

```
* Circular queue definitions. Do not use. We still keep the macros
```

```
* for compatibility but because of pointer aliasing issues their use
```

```
* is discouraged!
```

```
*/
```

```
/*
```

```
* __launder_type(): We use this ugly hack to work around the the compiler
```

```
* noticing that two types may not alias each other and elide tests in code.
```

```
* We hit this in the CIRCLEQ macros when comparing 'struct name *' and
```

```
* 'struct type *' (see CIRCLEQ_HEAD()). Modern compilers (such as GCC
```

```
* 4.8) declare these comparisons as always false, causing the code to
```

```
* not run as designed.
```

```
*
```

```
* This hack is only to be used for comparisons and thus can be fully const.
```

```
* Do not use for assignment.
```

```
*
```

```
* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
```

```
* this by changing the head/tail sentinel values, but see the note above
```

```
* this one.
```

```
*/
```

```
static __inline const void * __launder_type(const void *);
```

```
static __inline const void *
```

```
__launder_type(const void *__x)
```

```
{
```

```
__asm __volatile("" : "+r" (__x));
```

```
return __x;
```

```
}
```

```
#if defined(QUEUEDEBUG)
```

```
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field) \
```

```
if ((head)->cqh_first != CIRCLEQ_ENDC(head) && \
```

```
(head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
```

```
QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
```

```
__FILE__, __LINE__); \
```

```
if ((head)->cqh_last != CIRCLEQ_ENDC(head) && \
```

```
(head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
```

```
QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
```

```
__FILE__, __LINE__);
```

```
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field) \
```

```
if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) { \
```

```
if ((head)->cqh_last != (elm)) \
```

```
QUEUEDEBUG_ABORT("CIRCLEQ
```

```

elm last %p %s:%d", \
    (elm), __FILE__, __LINE__); \
} else { \
    if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
        QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
            (elm), __FILE__, __LINE__); \
} \
if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) { \
    if ((head)->cqh_first != (elm)) \
        QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
            (elm), __FILE__, __LINE__); \
} else { \
    if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
        QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
            (elm), __FILE__, __LINE__); \
}
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field) \
    (elm)->field.cqe_next = (void *)1L; \
    (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type) \
struct name { \
    struct type *cqh_first; /* \
    first element */ \
    struct type *cqh_last; /* last element */ \
}

#define CIRCLEQ_HEAD_INITIALIZER(head) \
{ CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type) \
struct { \
    struct type *cqe_next; /* next element */ \
    struct type *cqe_prev; /* previous element */ \
}

/*
 * Circular queue functions.
 */

#define CIRCLEQ_INIT(head) do { \
    (head)->cqh_first = CIRCLEQ_END(head); \
    (head)->cqh_last = CIRCLEQ_END(head); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm)->field.cqe_next; \
    (elm)->field.cqe_prev = (listelm); \
    if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (listelm)->field.cqe_next->field.cqe_prev = (elm); \
    (listelm)->field.cqe_next = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_BEFORE(head,
listelm, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm); \
    (elm)->field.cqe_prev = (listelm)->field.cqe_prev; \
    if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (listelm)->field.cqe_prev->field.cqe_next = (elm); \
    (listelm)->field.cqe_prev = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next = (head)->cqh_first; \
    (elm)->field.cqe_prev = CIRCLEQ_END(head); \
    if ((head)->cqh_last == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (head)->cqh_first->field.cqe_prev = (elm); \
    (head)->cqh_first = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next
= CIRCLEQ_END(head); \
    (elm)->field.cqe_prev = (head)->cqh_last; \
    if ((head)->cqh_first == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (head)->cqh_last->field.cqe_next = (elm); \
    (head)->cqh_last = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_REMOVE(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm)->field.cqe_prev; \
    else \
        (elm)->field.cqe_next->field.cqe_prev = \
            (elm)->field.cqe_prev; \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm)->field.cqe_next; \
    else \
        (elm)->field.cqe_prev->field.cqe_next = \
            (elm)->field.cqe_next; \
    QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_FOREACH(var, head, field) \
    for ((var) = ((head)->cqh_first); \
        (var) != CIRCLEQ_ENDC(head); \
        (var) \
        = ((var)->field.cqe_next))

```

```

#define CIRCLEQ_FOREACH_REVERSE(var, head, field) \
    for ((var) = ((head)->cqh_last); \
        (var) != CIRCLEQ_ENDC(head); \
        (var) = ((var)->field.cqe_prev))

```

/*

* Circular queue access methods.

*/

```

#define CIRCLEQ_FIRST(head) ((head)->cqh_first)

```

```

#define CIRCLEQ_LAST(head) ((head)->cqh_last)

```

/* For comparisons */

```

#define CIRCLEQ_ENDC(head) (__launter_type(head))

```

/* For assignments */

```

#define CIRCLEQ_END(head) ((void *) (head))

```

```

#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)

```

```

#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)

```

```

#define CIRCLEQ_EMPTY(head) \
    (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

```

```

#define CIRCLEQ_LOOP_NEXT(head, elm, field) \
    (((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
     ? ((head)->cqh_first) \
     : (elm)->field.cqe_next)

```

```

#define CIRCLEQ_LOOP_PREV(head, elm, field) \
    (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \

```

```

? ((head)->cqh_last) \
:
(elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

package() {
    gpep517 install-wheel --destdir "$pkgdir" \
        .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
flake8-copyright-0.2.4.tar.gz
"

#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P

```

```

#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS
#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__((__nothrow__))
# define __NTH(fct) __attribute__((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct) fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

build() {
    cargo auditable build --release --frozen
}

check() {
    cargo test --frozen

```

```

}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
"

/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
/*
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* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

#ifdef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y) \
    ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) || \
     (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0

```



```

#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
 * This file defines data structures for different types of trees:
 * splay trees and red-black trees.
 *
 * A splay tree is a self-organizing
 * data structure. Every operation
 * on the tree causes a splay to happen. The splay moves the requested
 * node to the root of the tree and partly rebalances it.
 *
 * This has the benefit that request locality causes faster lookups as
 * the requested nodes move to the top of the tree. On the other hand,
 * every lookup causes memory writes.
 *
 * The Balance Theorem bounds the total access time for m operations
 * and n inserts on an initially empty tree as  $O((m + n)\lg n)$ . The
 * amortized cost for a sequence of m accesses to a splay tree is  $O(\lg n)$ ;
 *
 * A red-black tree is a binary search tree with the node color as an
 * extra attribute. It fulfills a set of conditions:
 * - every search path from the root to a leaf consists of the
 *   same number of black nodes,
 * - each red node (except for the root) has a black parent,
 * - each leaf node is black.
 *
 * Every operation on a red-black tree is bounded as  $O(\lg n)$ .
 * The maximum height of a red-black tree is  $2\lg(n+1)$ .
 */

#define SPLAY_HEAD(name, type) \
struct name { \
    struct type *sph_root; /* root of the tree */ \
}

#define SPLAY_INITIALIZER(root) \
{ NULL }

#define SPLAY_INIT(root) do { \
    (root)->sph_root = NULL; \
} while (/*CONSTCOND*/ 0)

```

```

#define SPLAY_ENTRY(type)    \
struct {                    \
    struct type *spe_left; /* left element */ \
    struct type *spe_right; /* right element */ \
}

#define SPLAY_LEFT(elm, field) (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field) (elm)->field.spe_right
#define SPLAY_ROOT(head) (head)->sph_root
#define SPLAY_EMPTY(head) (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do { \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do { \
    SPLAY_RIGHT((head)->sph_root, \
    field) = SPLAY_LEFT(tmp, field); \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do { \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_LEFT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do { \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do { \
    SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
    SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field); \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
    SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define

```

```

    SPLAY_PROTOTYPE(name, type, field, cmp) \
void name##_SPLAY(struct name *, struct type *); \
void name##_SPLAY_MINMAX(struct name *, int); \
struct type *name##_SPLAY_INSERT(struct name *, struct type *); \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *); \
\
/* Finds the node with the same key as elm */ \
static __inline struct type * \
name##_SPLAY_FIND(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) \
        return(NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head->sph_root) == 0) \
        return (head->sph_root); \
    return (NULL); \
} \
\
static __inline _sys_tree_h_unused struct type * \
name##_SPLAY_NEXT(struct name *head, struct type *elm) \
{ \
    name##_SPLAY(head, elm); \
    if (SPLAY_RIGHT(elm, field) != NULL) { \
        elm = SPLAY_RIGHT(elm, field); \
        while (SPLAY_LEFT(elm, field) != NULL) { \
            elm = SPLAY_LEFT(elm, field); \
        } \
    } \
    else \
        elm = NULL; \
    return (elm); \
} \
\
static _sys_tree_h_unused __inline struct type * \
name##_SPLAY_MIN_MAX(struct name *head, int val) \
{ \
    name##_SPLAY_MINMAX(head, val); \
    return (SPLAY_ROOT(head)); \
} \
\
/* Main splay operation.
 * Moves node close to the key of elm to top
 */
#define SPLAY_GENERATE(name, type, field, cmp) \
struct type * \
name##_SPLAY_INSERT(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) { \

```

```

    SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
} else { \
    int __comp; \
    name##_SPLAY(head, elm); \
    __comp = (cmp)(elm, (head)->sph_root); \
    if(__comp < 0) { \
        SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
        SPLAY_RIGHT(elm, field) = (head)->sph_root; \
        SPLAY_LEFT((head)->sph_root, field) = NULL; \
    } else if (__comp > 0) { \
        SPLAY_RIGHT(elm,
field) = SPLAY_RIGHT((head)->sph_root, field);\
        SPLAY_LEFT(elm, field) = (head)->sph_root; \
        SPLAY_RIGHT((head)->sph_root, field) = NULL; \
    } else \
        return ((head)->sph_root); \
} \
(head)->sph_root = (elm); \
return (NULL); \
} \
\
struct type * \
name##_SPLAY_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *__tmp; \
    if (SPLAY_EMPTY(head)) \
        return (NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) { \
        if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
            (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
        } else { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field);\
            (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
            name##_SPLAY(head, elm); \
            SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
        } \
        return (elm); \
    } \
    return (NULL); \
} \
\
void \
name##_SPLAY(struct
name *head, struct type *elm) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    int __comp; \

```

```

\
SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
__left = __right = &__node; \
\
while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) { \
if (__comp < 0) { \
__tmp = SPLAY_LEFT((head)->sph_root, field);\
if (__tmp == NULL) \
break; \
if ((cmp)(elm, __tmp) < 0){ \
SPLAY_ROTATE_RIGHT(head, __tmp, field);\
if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
break; \
} \
SPLAY_LINKLEFT(head, __right, field);\
} else if (__comp > 0) { \
__tmp = SPLAY_RIGHT((head)->sph_root, field);\
if (__tmp == NULL) \
break; \
if ((cmp)(elm, __tmp) > 0){ \
SPLAY_ROTATE_LEFT(head, __tmp, field);\
if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
break; \
} \
SPLAY_LINKRIGHT(head, __left, field);\
} \
} \
SPLAY_ASSEMBLE(head,
&__node, __left, __right, field);\
} \
\
/* Splay with either the minimum or the maximum element \
* Used to find minimum or maximum element in tree. \
*/ \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{ \
struct type __node, *__left, *__right, *__tmp; \
\
SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
__left = __right = &__node; \
\
while (1) { \
if (__comp < 0) { \
__tmp = SPLAY_LEFT((head)->sph_root, field);\
if (__tmp == NULL) \
break; \
if (__comp < 0){ \
SPLAY_ROTATE_RIGHT(head, __tmp, field);\

```

```

    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
        break; \
} \
SPLAY_LINKLEFT(head, __right, field); \
} else if (__comp > 0) { \
    __tmp = SPLAY_RIGHT((head)->sph_root, field);\
    if (__tmp == NULL) \
        break; \
    if (__comp > 0) { \
        SPLAY_ROTATE_LEFT(head, __tmp, field);\
        if (SPLAY_RIGHT((head)->sph_root,
field) == NULL)\
            break; \
    } \
    SPLAY_LINKRIGHT(head, __left, field); \
} \
} \
SPLAY_ASSEMBLE(head, &__node, __left, __right, field); \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y) name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y) name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head) \
    for ((x) = SPLAY_MIN(name, head); \
        (x) != NULL; \
        (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type) \
struct name { \
    struct type *rbh_root; /* root of the tree */ \
}

#define RB_INITIALIZER(root) \
{ \
    NULL \
}

#define RB_INIT(root) do { \

```

```

(root)->rbh_root = NULL;  \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED 1
#define RB_ENTRY(type)  \
struct {  \
    struct type *rbe_left; /* left element */ \
    struct type *rbe_right; /* right element */ \
    struct type *rbe_parent; /* parent element */ \
    int rbe_color; /* node color */ \
}

#define RB_LEFT(elm, field) (elm)->field.rbe_left
#define RB_RIGHT(elm, field) (elm)->field.rbe_right
#define RB_PARENT(elm, field) (elm)->field.rbe_parent
#define RB_COLOR(elm, field) (elm)->field.rbe_color
#define RB_ROOT(head) (head)->rbh_root
#define RB_EMPTY(head) (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do {  \
    RB_PARENT(elm, field) = parent;  \
    RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL; \
    RB_COLOR(elm, field) = RB_RED;  \
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do {  \
    RB_COLOR(black, field) = RB_BLACK;  \
    RB_COLOR(red, field) \
    = RB_RED;  \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do {  \
    (tmp) = RB_RIGHT(elm, field);  \
    if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
        RB_PARENT(RB_LEFT(tmp, field), field) = (elm); \
    }  \
    RB_AUGMENT(elm);  \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else  \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else  \

```

```

(head)->rbh_root = (tmp); \
RB_LEFT(tmp, field) = (elm); \
RB_PARENT(elm, field) = (tmp); \
RB_AUGMENT(tmp); \
if ((RB_PARENT(tmp, field))) \
    RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do { \
    (tmp) = RB_LEFT(elm, field); \
    if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field)) \
        != NULL) { \
        RB_PARENT(RB_RIGHT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_RIGHT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr) \
    attr void name##_RB_INSERT_COLOR(struct name *, struct \
        type *); \
    attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *); \
    attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
    attr struct type *name##_RB_INSERT(struct name *, struct type *); \
    attr struct type *name##_RB_FIND(struct name *, struct type *); \
    attr struct type *name##_RB_NFIND(struct name *, struct type *); \
    attr struct type *name##_RB_NEXT(struct type *); \
    attr struct type *name##_RB_PREV(struct type *); \
    attr struct type *name##_RB_MINMAX(struct name *, int); \
    \

/* Main rb operation.

```



```

* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr) \
    attr void \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm) \
{ \
    struct type \
    *parent, *gparent, *tmp; \
    while ((parent = RB_PARENT(elm, field)) != NULL && \
        RB_COLOR(parent, field) == RB_RED) { \
        gparent = RB_PARENT(parent, field); \
        if (parent == RB_LEFT(gparent, field)) { \
            tmp = RB_RIGHT(gparent, field); \
            if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
                RB_COLOR(tmp, field) = RB_BLACK; \
                RB_SET_BLACKRED(parent, gparent, field);\
                elm = gparent; \
                continue; \
            } \
            if (RB_RIGHT(parent, field) == elm) { \
                RB_ROTATE_LEFT(head, parent, tmp, field);\
                tmp = parent; \
                parent = elm; \
                elm = tmp; \
            } \
            RB_SET_BLACKRED(parent, gparent, field); \
            RB_ROTATE_RIGHT(head, gparent, tmp, field); \
        } else { \
            tmp = RB_LEFT(gparent, field); \
            if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
                RB_COLOR(tmp, field) = RB_BLACK; \
                RB_SET_BLACKRED(parent, gparent, field);\
                elm = gparent; \
                continue; \
            } \
            if (RB_LEFT(parent, field) == elm) \
        { \
            RB_ROTATE_RIGHT(head, parent, tmp, field);\
            tmp = parent; \
            parent = elm; \
            elm = tmp; \
        } \
        RB_SET_BLACKRED(parent, gparent, field); \
        RB_ROTATE_LEFT(head, gparent, tmp, field); \
    }

```

```

    } \
} \
RB_COLOR(head->rbh_root, field) = RB_BLACK; \
} \
    \
attr void \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{ \
    struct type *tmp; \
    while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
        elm != RB_ROOT(head)) { \
        if (RB_LEFT(parent, field) == elm) { \
            tmp = RB_RIGHT(parent, field); \
            if (RB_COLOR(tmp, field) == RB_RED) { \
                RB_SET_BLACKRED(tmp, parent, field); \
                RB_ROTATE_LEFT(head, parent, tmp, field);\
                tmp = RB_RIGHT(parent, field); \
            } \
            if ((RB_LEFT(tmp, field) == NULL || \
                RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) && \
                (RB_RIGHT(tmp, field) == NULL || \
                RB_COLOR(RB_RIGHT(tmp, \
field), field) == RB_BLACK)) {\
                RB_COLOR(tmp, field) = RB_RED; \
                elm = parent; \
                parent = RB_PARENT(elm, field); \
            } else { \
                if (RB_RIGHT(tmp, field) == NULL || \
                    RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
                    struct type *oleft; \
                    if ((oleft = RB_LEFT(tmp, field)) \
                        != NULL) \
                        RB_COLOR(oleft, field) = RB_BLACK;\
                    RB_COLOR(tmp, field) = RB_RED; \
                    RB_ROTATE_RIGHT(head, tmp, oleft, field);\
                    tmp = RB_RIGHT(parent, field); \
                } \
                RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
                RB_COLOR(parent, field) = RB_BLACK; \
                if (RB_RIGHT(tmp, field)) \
                    RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
                RB_ROTATE_LEFT(head, parent, tmp, field);\
                elm = RB_ROOT(head); \
                break; \
            } \
        } else { \
            tmp = RB_LEFT(parent, field); \
            if (RB_COLOR(tmp, field) == RB_RED) { \

```

```

    RB_SET_BLACKRED(tmp, parent, field); \
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    tmp
= RB_LEFT(parent, field); \
} \
if ((RB_LEFT(tmp, field) == NULL || \
    RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
    (RB_RIGHT(tmp, field) == NULL || \
    RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED; \
    elm = parent; \
    parent = RB_PARENT(elm, field); \
} else { \
    if (RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
        struct type *oright; \
        if ((oright = RB_RIGHT(tmp, field)) \
            != NULL) \
            RB_COLOR(oright, field) = RB_BLACK;\
        RB_COLOR(tmp, field) = RB_RED; \
        RB_ROTATE_LEFT(head, tmp, oright, field);\
        tmp = RB_LEFT(parent, field); \
    } \
    RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_LEFT(tmp, field)) \
        RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    elm = RB_ROOT(head); \
    break; \
} \
} \
} \
if
(elm) \
    RB_COLOR(elm, field) = RB_BLACK; \
} \
\
attr struct type * \
name##_RB_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *child, *parent, *old = elm; \
    int color; \
    if (RB_LEFT(elm, field) == NULL) \
        child = RB_RIGHT(elm, field); \
    else if (RB_RIGHT(elm, field) == NULL) \
        child = RB_LEFT(elm, field); \
    else { \

```

```

struct type *left;  \
elm = RB_RIGHT(elm, field);  \
while ((left = RB_LEFT(elm, field)) != NULL) \
    elm = left;  \
child = RB_RIGHT(elm, field);  \
parent = RB_PARENT(elm, field);  \
color = RB_COLOR(elm, field);  \
if (child)  \
    RB_PARENT(child, field) = parent; \
if (parent) {  \
    if (RB_LEFT(parent, field) == elm) \
        RB_LEFT(parent, field) = child; \
    else  \
        RB_RIGHT(parent, field) = child; \
    RB_AUGMENT(parent);  \
} else  \
    RB_ROOT(head)
= child;  \
if (RB_PARENT(elm, field) == old) \
    parent = elm;  \
(elm)->field = (old)->field;  \
if (RB_PARENT(old, field)) {  \
    if (RB_LEFT(RB_PARENT(old, field), field) == old)\
        RB_LEFT(RB_PARENT(old, field), field) = elm;\
    else  \
        RB_RIGHT(RB_PARENT(old, field), field) = elm;\
    RB_AUGMENT(RB_PARENT(old, field)); \
} else  \
    RB_ROOT(head) = elm;  \
RB_PARENT(RB_LEFT(old, field), field) = elm; \
if (RB_RIGHT(old, field))  \
    RB_PARENT(RB_RIGHT(old, field), field) = elm; \
if (parent) {  \
    left = parent;  \
    do {  \
        RB_AUGMENT(left); \
    } while ((left = RB_PARENT(left, field)) != NULL); \
}  \
goto color;  \
}  \
parent = RB_PARENT(elm, field);  \
color = RB_COLOR(elm, field);  \
if (child)  \
    RB_PARENT(child, field) = parent; \
if (parent) {  \
    if (RB_LEFT(parent, field) == elm) \
        RB_LEFT(parent, field) = child; \
    else  \

```

```

    RB_RIGHT(parent,
field) = child; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head) = child; \
color: \
if (color == RB_BLACK) \
    name##_RB_REMOVE_COLOR(head, parent, child); \
return (old); \
} \
\
/* Inserts a node into the RB tree */ \
attr struct type * \
name##_RB_INSERT(struct name *head, struct type *elm) \
{ \
    struct type *tmp; \
    struct type *parent = NULL; \
    int comp = 0; \
    tmp = RB_ROOT(head); \
    while (tmp) { \
        parent = tmp; \
        comp = (cmp)(elm, parent); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    RB_SET(elm, parent, field); \
    if (parent != NULL) { \
        if (comp < 0) \
            RB_LEFT(parent, field) = elm; \
        else \
            RB_RIGHT(parent, field) = elm; \
        RB_AUGMENT(parent); \
    } else \
        RB_ROOT(head) = elm; \
    name##_RB_INSERT_COLOR(head,
elm); \
    return (NULL); \
} \
\
/* Finds the node with the same key as elm */ \
attr struct type * \
name##_RB_FIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \

```

```

int comp;    \
while (tmp) {    \
    comp = cmp(elm, tmp);    \
    if (comp < 0)    \
        tmp = RB_LEFT(tmp, field);    \
    else if (comp > 0)    \
        tmp = RB_RIGHT(tmp, field);    \
    else    \
        return (tmp);    \
}    \
return (NULL);    \
}    \
    \
/* Finds the first node greater than or equal to the search key */\
attr struct type *    \
name##_RB_NFIND(struct name *head, struct type *elm)    \
{    \
    struct type *tmp = RB_ROOT(head);    \
    struct type *res = NULL;    \
    int comp;    \
    while (tmp) {    \
        comp = cmp(elm, tmp);    \
        if (comp < 0) {    \
            res = tmp;    \
            tmp = RB_LEFT(tmp, field);    \
        }    \
        else if (comp > 0)    \
            tmp =    \
RB_RIGHT(tmp, field);    \
        else    \
            return (tmp);    \
    }    \
    return (res);    \
}    \
    \
/* ARGSUSED */    \
attr struct type *    \
name##_RB_NEXT(struct type *elm)    \
{    \
    if (RB_RIGHT(elm, field)) {    \
        elm = RB_RIGHT(elm, field);    \
        while (RB_LEFT(elm, field))    \
            elm = RB_LEFT(elm, field);    \
    } else {    \
        if (RB_PARENT(elm, field) &&    \
            (elm == RB_LEFT(RB_PARENT(elm, field), field)))    \
            elm = RB_PARENT(elm, field);    \
        else {    \

```

```

while (RB_PARENT(elm, field) && \
      (elm == RB_RIGHT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field); \
elm = RB_PARENT(elm, field); \
} \
} \
return (elm); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_PREV(struct type *elm) \
{ \
    if (RB_LEFT(elm, field)) { \
        elm = RB_LEFT(elm, field); \
        while (RB_RIGHT(elm, field)) \
            elm = RB_RIGHT(elm, field); \
    } \
    else { \
        if (RB_PARENT(elm, field) && \
            (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        else { \
            while (RB_PARENT(elm, field) && \
                  (elm == RB_LEFT(RB_PARENT(elm, field), field)))\
                elm = RB_PARENT(elm, field); \
            elm = RB_PARENT(elm, field); \
        } \
    } \
    return (elm); \
} \
\
attr struct type * \
name##_RB_MINMAX(struct name *head, int val) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *parent = NULL; \
    while (tmp) { \
        parent = tmp; \
        if (val < 0) \
            tmp = RB_LEFT(tmp, field); \
        else \
            tmp = RB_RIGHT(tmp, field); \
    } \
    return (parent); \
}

#define RB_NEGINF -1

```

```

#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x) name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x) name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head) \
for ((x) = RB_MIN(name, head); \
(x) != NULL; \
(x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y) \
for ((x) = (y); \
((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y) \
for ((x) = RB_MIN(name, head); \
((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_REVERSE(x, name, head) \
for ((x) = RB_MAX(name, head); \
(x) != NULL; \
(x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y) \
for ((x) = (y); \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
head, y) \
for ((x) = RB_MAX(name, head); \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#endif /* _SYS_TREE_H_ */

```


1.282 jline 3.26.1

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```
* /jline-3-26-1-sources-4-jar/META-INF/services/org/jline/terminal/provider/jni
* /jline-3-26-1-sources-4-jar/META-INF/services/org/jline/terminal/provider/jansi
* /jline-3-26-1-sources-4-jar/META-INF/services/org/jline/terminal/provider/exec
* /jline-3-26-1-sources-4-jar/META-INF/services/org/jline/terminal/provider/ffm
*
```

/jline-3-26-1-sources-4-jar/META-INF/services/org/jline/terminal/provider/jna

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* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/NativeWinConsoleWriter.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/WindowsAnsiWriter.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/FfmTerminalProvider.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/CLibrary.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/FfmNativePty.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/NativeWinSysTerminal.java
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* /jline-3-26-1-sources-4-jar/org/jline/reader/Expander.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jna/win/WindowsAnsiWriter.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/Cursor.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Macro.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/Levenshtein.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/MouseSupport.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/DiffHelper.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/AttributedString.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/DefaultExpander.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/ShutdownHooks.java
*
/jline-3-26-1-sources-4-jar/org/jline/utils/ClosedException.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/MouseEvent.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/OSUtils.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/InputStreamReader.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/completer/AggregateCompleter.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/ExecHelper.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/exec/ExecPty.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/Attributes.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Widget.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/spi/Pty.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Reference.java


```

/jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jna/JnaTerminalProvider.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/LineReaderBuilder.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jni/JniTerminalProvider.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/EndOfFileException.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jansi/JansiNativePty.java
* /jline-3-26-1-sources-4-jar/org/jline/console/impl/AbstractCommandRegistry.java
* /jline-3-26-1-sources-4-jar/org/jline/console/CommandInput.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jna/linux/CLibrary.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/CompletionMatcher.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/completer/SystemCompleter.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jna/osx/CLibrary.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jna/JnaNativePty.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/DefaultParser.java
*

```

```

/jline-3-26-1-sources-4-jar/org/jline/console/CmdDesc.java

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* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/Terminal.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ExternalTerminal.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/Size.java
* /jline-3-26-1-sources-4-jar/org/jline/style/StyleSource.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/CompletingParsedLine.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/NfaMatcher.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/KillRing.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/Timeout.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/PosixSysTerminal.java
*
/jline-3-26-1-sources-4-jar/org/jline/reader/ParsedLine.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/NonBlockingReader.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/NonBlockingInputStream.java
* /jline-3-26-1-sources-4-jar/org/jline/style/Styler.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/InputRC.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/Colors.java
* /jline-3-26-1-sources-4-jar/org/jline/style/StyleFactory.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Completer.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/NonBlocking.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/History.java

```


Found in path(s):

- * /jline-3-26-1-sources-4-jar/org/jline/reader/package-info.java
- * /jline-3-26-1-sources-4-jar/org/jline/utils/package-info.java
- * /jline-3-26-1-sources-4-jar/org/jline/reader/impl/completer/package-info.java
- * /jline-3-26-1-sources-4-jar/org/jline/reader/impl/history/package-info.java
- * /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/package-info.java

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- * /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiConsole.java
- * /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/ffm/Kernel32.java
- * /jline-3-26-1-sources-4-jar/org/jline/utils/FastBufferedOutputStream.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/io/AnsiProcessor.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiType.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/io/Colors.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/io/WindowsAnsiProcessor.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/Ansi.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/io/FastBufferedOutputStream.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/io/AnsiOutputStream.java
- *

- /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiMode.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiRenderer.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiPrintStream.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiColors.java
- * /jline-3-26-1-sources-4-jar/org/jline/nativ/Kernel32.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/WindowsSupport.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/AnsiMain.java
- * /jline-3-26-1-sources-4-jar/org/jline/nativ/CLibrary.java
- * /jline-3-26-1-sources-4-jar/org/jline/jansi/io/ColorsAnsiProcessor.java

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* /jline-3-26-1-sources-4-jar/org/jline/nativ/JLineNativeLoader.java
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/jline-3-26-1-sources-4-jar/org/jline/builtins/telnet/Connection.java

* /jline-3-26-1-sources-4-jar/org/jline/builtins/telnet/ConnectionData.java

* /jline-3-26-1-sources-4-jar/org/jline/builtins/telnet/ConnectionManager.java

* /jline-3-26-1-sources-4-jar/org/jline/builtins/telnet/ConnectionEvent.java

* /jline-3-26-1-sources-4-jar/org/jline/builtins/telnet/TelnetIO.java

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* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jansi/win/WindowsAnsiWriter.java

* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jansi/win/WindowsAnsiWriter.java

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```
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/AbstractTerminal.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Parser.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/DefaultHighlighter.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/AttributedCharSequence.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/ConsoleOptionGetter.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/TTop.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/Styles.java
* /jline-3-26-1-sources-4-jar/org/jline/console/ArgDesc.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/Completers.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Highlighter.java
*
/jline-3-26-1-sources-4-jar/org/jline/reader/PrintAboveWriter.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/TerminalBuilder.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/AttributedStyle.java
* /jline-3-26-1-sources-4-jar/org/jline/console/SystemRegistry.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/Nano.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/CompletionMatcherImpl.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/history/DefaultHistory.java
* /jline-3-26-1-sources-4-jar/org/jline/console/impl/ConsoleEngineImpl.java
```

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* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/jansi/win/WindowsSupport.java

* /jline-3-26-1-sources-4-jar/org/jline/reader/SyntaxError.java

* /jline-3-26-1-sources-4-jar/org/jline/nativ/JLineLibrary.java

* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/DumbTerminalProvider.java

* /jline-3-26-1-sources-4-jar/org/jline/terminal/spi/SystemStream.java

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* /jline-3-26-1-sources-4-jar/org/jline/builtins/Source.java

* /jline-3-26-1-sources-4-jar/org/jline/console/impl/Builtins.java

* /jline-3-26-1-sources-4-jar/org/jline/console/impl/SystemHighlighter.java

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* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/InputRC.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/LineReader.java
* /jline-3-26-1-sources-4-jar/org/jline/widget/TailTipWidgets.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/SyntaxHighlighter.java
* /jline-3-26-1-sources-4-jar/org/jline/console/ConsoleEngine.java
* /jline-3-26-1-sources-4-jar/org/jline/widget/Widgets.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/Commands.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/Less.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/LineReaderImpl.java
* /jline-3-26-1-sources-4-jar/org/jline/console/impl/SystemRegistryImpl.java
*
  /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
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```
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*
/jline-3-26-1-sources-4-jar/org/jline/builtins/telnet/ConnectionFilter.java
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Found in path(s):

```
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/exec/ExecTerminalProvider.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/spi/TerminalProvider.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/Diag.java
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* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/completer/StringsCompleter.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Editor.java
* /jline-3-26-1-sources-4-jar/org/jline/terminal/impl/AbstractPty.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/Tmux.java
* /jline-3-26-1-sources-4-jar/org/jline/builtins/ConfigurationPath.java
* /jline-3-26-1-sources-4-jar/org/jline/utils/InfoCmp.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/Candidate.java
* /jline-3-26-1-sources-4-jar/org/jline/reader/impl/completer/ArgumentCompleter.java
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1.283 spring-data-redis 3.4.3

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* /spring-oxm-6-2-3-sources-jar/org/springframework/oxm/MarshallingException.java
* /spring-oxm-6-2-3-sources-jar/org/springframework/oxm/XmlMappingException.java
*
* /spring-oxm-6-2-3-sources-jar/org/springframework/oxm/mime/MimeContainer.java
* /spring-oxm-6-2-3-sources-jar/org/springframework/oxm/ValidationFailureException.java
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1.292 netty-resolver-dns 4.1.118.Final

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* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/package-info.java
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* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsNameResolver.java
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*
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jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java
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* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java
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* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsCache.java

* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/NoopDnsCache.java

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* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java

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```

Found in path(s):

```

* /netty-resolver-dns-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-resolver-dns/pom.xml
No license file was found, but licenses were detected in source scan.

```

```

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Found in path(s):

* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsErrorCauseException.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /netty-resolver-dns-4-1-118-final-sources-
jar/io/netty/resolver/dns/DnsServerResponseFeedbackAddressStream.java
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Found in path(s):

```
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java
*
/netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/DnsQueryContextManager.java
* /netty-resolver-dns-4-1-118-final-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
```

1.293 alpine-baselayout-data 3.7.0-r0

1.293.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
# Maintainer: Francesco Colista <francesco.colista@gmail.com>
pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=" "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/${_pkgreal}-${pkgver}.tar.gz"

_builddir="$srcdir/${_pkgreal}-${pkgver}"

prepare() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    make && make test
}
```

```

package() {
    cd "$_builddir"
    make
    DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35 Software-License-0.103004.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2"
"

_buildddir="$srcdir"/libart-lgpl-$pkgver

prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}

build() {
    cd "$_builddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
    || return 1
    make || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=2
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="\$cpandepends"
makedepends="perl-dev \$cpanmakedepends"
subpackages="\$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/\$_pkgreal-\$pkgver.tar.gz"

_builddir="\$srcdir/\$_pkgreal-\$pkgver"

```
prepare() {  
    cd "$_builddir"  
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`  
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor  
}
```



```

build() {
  cd "$_builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
  make && make test || return 1
}

```

```

package() {
  cd "$_builddir"
  make DESTDIR="$pkgdir" install || return 1
  find "$pkgdir"
  \ ( -name perllocal.pod -o -name .packlist ) -delete
}

```

```

md5sums="3c6dd2fa953088aa87e263f40818d012 BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06 BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276cce2bd40a429fa430 BSD-Resource-1.2909.tar.gz"
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pkgname=py-flake8-copyright

_pkgname=flake8-copyright

pkgver=0.2.0

pkgrel=1

pkgdesc="Extension for flake8 which checks for copyrights"

url="https://github.com/savoirfairelinux/flake8-copyright"

arch="noarch"

license="MIT"

depends="flake8"

makedepends="python3-dev"

source="https://files.pythonhosted.org/packages/source/\${_pkgname:0:1}/\${_pkgname}/\${_pkgname}-\${pkgver}.tar.gz"

builddir="\$srcdir"/\$_pkgname-\$pkgver

```
build() {
    cd "$builddir"
    python3 setup.py build || return 1
}
```

```
package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}
```

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"

sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-0.2.0.tar.gz"

sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90

flake8-copyright-0.2.0.tar.gz"

mini_sendmail - accept email on behalf of real sendmail

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1.294 jboss-marshalling 2.0.11.Final

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1.295 jctools-core 4.0.5

1.295.1 Available under license :

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<name>Apache License, Version 2.0</name>

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* /jctools-core-4-0-5-6-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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Manifest-Version: 1.0

Bnd-LastModified: 1717253512851

Build-Jdk-Spec: 1.8

Bundle-Description: Java Concurrency Tools Core Library

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Java Concurrency Tools Core Library

Bundle-SymbolicName: org.jctools.core

Bundle-Version: 4.0.5

Created-By: Apache Maven Bundle Plugin 5.1.8

Export-Package: org.jctools.maps;version="4.0.5",org.jctools.util;version="4.0.5";uses="sun.misc",org.jctools.queues;version="4.0.5",org.jctools.queues.atomic;version="4.0.5";uses="org.jctools.queues",org.jctools.queues.atomic.unpadded;version="4.0.5";uses="org.jctools.queues",org.jctools.queues.unpadded;version="4.0.5";uses="org.jctools.queues",org.jctools.counters;version="4.0.5"

Import-Package: sun.misc;resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

*

/jctools-core-4-0-5-6-jar/META-INF/MANIFEST.MF

1.296 jakarta-transaction-api 2.0.1

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The project maintains the following source code repositories:

* <https://github.com/eclipse-ee4j/jta-api>

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Found in path(s):

* /netty-common-4-1-118-final-sources-jar/io/netty/util/NetUtilInitializations.java

* /netty-common-4-1-118-final-sources-jar/io/netty/util/DomainWildcardMappingBuilder.java

* /netty-common-4-1-118-final-sources-jar/io/netty/util/NetUtilSubstitutions.java

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Found in path(s):

- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCLinkedQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpSCLinkedArrayQueue.java
- *
- /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscCompoundQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscChunkedAtomicArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscGrowableAtomicArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/SpSCUnboundedUnpaddedArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/ConcurrentCircularUnpaddedArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeRefArrayAccess.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentCircularArrayQueue.java
- *
- /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/IndexedQueueSizeUtil.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpmcArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCChunkedAtomicArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeLongArrayAccess.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddChunk.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/MpscLinkedAtomicUnpaddedQueue.java

```

*
/netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCArrayQueue.java
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/netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SupportsIterator.java
* /netty-common-4-1-118-final-sources-
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jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/MpscLinkedUnpaddedQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/MpscChunkedUnpaddedArrayQueue.java
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jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/SpSCChunkedAtomicUnpaddedArrayQueue.java
a

```

```

*
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* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscLinkedAtomicQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/SpSCLinkedAtomicUnpaddedQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/SpSCGrowableAtomicUnpaddedArrayQueue.java
a
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jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/SpSCUnboundedAtomicUnpaddedArrayQueue.java
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info.java
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* /netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-
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java
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/MpscChunkedAtomicUnpaddedArrayQueue.java
va
* /netty-common-4-1-118-final-sources-

```

```

jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
*
/netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddChunk.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/RangeUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/InternalAPI.java
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* /netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java
* /netty-common-4-1-118-final-sources-
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*
/netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMap.java
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* /netty-common-4-1-118-final-sources-
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va
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/SpmcUnpaddedArrayQueue.java
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/AbstractEntry.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeJvmInfo.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/package-info.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/BaseMpscLinkedArrayQueue.java
* /netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /netty-common-4-1-118-final-sources-
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* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/MpscAtomicUnpaddedArrayQueue.java
*

```

```

/netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/SpSCGrowableUnpaddedArrayQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/SpSCChunkedArrayQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpSCGrowableAtomicArrayQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/SpSCLinkedUnpaddedQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/unpadded/SpSCUnpaddedArrayQueue.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcArrayQueue.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/package-info.java
*
/netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/unpadded/SpSCAtomicUnpaddedArrayQueue.java
* /netty-common-4-1-118-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java
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```

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* /netty-common-4-1-118-final-sources-jar/META-INF/native-image/io.netty/netty-common/native-
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* /netty-common-4-1-118-final-sources-jar/META-
INF/services/reactor.blockhound.integration.BlockHoundIntegration

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```
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ThreadProperties.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/LongCounter.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
*
* /netty-common-4-1-118-final-sources-jar/io/netty/util/HashingStrategy.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/DomainMappingBuilder.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/AsyncMapping.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PriorityQueueNode.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/DefaultPriorityQueue.java
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 /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/MessageFormatter.java
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ThreadLocalRandom.java

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* /netty-common-4-1-118-final-sources-jar/META-INF/maven/io.netty/netty-common/pom.xml

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- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/BoundedInputStream.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/AsciiStringUtil.java

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- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/GenericFutureListener.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultThreadFactory.java

*

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/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ScheduledFutureTask.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/ReferenceCountUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ProgressivePromise.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/package-info.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/Future.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ImmediateExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/Recycler.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultFutureListeners.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeak.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/CompleteFuture.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/AbstractEventExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultPromise.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/AbstractReferenceCounted.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ImmediateEventExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ThreadPerTaskExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ScheduledFuture.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/package-info.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/FutureListener.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/EmptyArrays.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/TypeParameterMatcher.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PlatformDependent0.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/ReferenceCounted.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/ConstantPool.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ReadOnlyIterator.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ConcurrentSet.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/AbstractFuture.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/Version.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PendingWrite.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/RecyclableArrayList.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakException.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakDetector.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/Promise.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/ProgressiveFuture.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/PromiseTask.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/AppendableCharSequence.java
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 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/LongObjectMap.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/IntObjectMap.java
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 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/ShortObjectMap.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/CharObjectMap.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/ByteObjectHashMap.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/CharCollections.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/LongObjectHashMap.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/ByteCollections.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/IntCollections.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/ShortCollections.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ObjectUtil.java
 * /netty-common-4-1-118-final-sources-jar/io/netty/util/collection/ShortObjectHashMap.java
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- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/PromiseNotifier.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/NativeLibraryLoader.java
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- /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/InternalThreadLocalMap.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/FastThreadLocal.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/IntegerHolder.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakHint.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/Mapping.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/PromiseAggregator.java
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ObjectCleaner.java
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/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/LongAdderCounter.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/UncheckedBooleanSupplier.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/SuppressForbidden.java
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- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/CleanerJava9.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/FastThreadLocalRunnable.java

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- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Log4J2Logger.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/BooleanSupplier.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/PromiseCombiner.java
- *
- /* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/DomainNameMappingBuilder.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakTracker.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/OutOfDirectMemoryError.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/SocketUtils.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/ResourceLeakDetectorFactory.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PromiseNotificationUtil.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java
- * /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ThrowableUtil.java

*
/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/ConstantTimeUtils.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/UnstableApi.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/IntSupplier.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/NativeLibraryUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/Constant.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/BlockingOperationException.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/AttributeKey.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/JdkLoggerFactory.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/Timer.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/AbstractInternalLogger.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/CharsetUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/NetUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/EventExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/Signal.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/InternalLogLevel.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/FailedFuture.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Log4JLoggerFactory.java

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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/PlatformDependent.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/package-info.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/package-info.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Slf4JLogger.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/DefaultAttributeMap.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/Attribute.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/StringUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/InternalLoggerFactory.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/SucceededFuture.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutor.java
*
/netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutorGroup.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/TimerTask.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/SystemPropertyUtil.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/AbstractConstant.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Slf4JLoggerFactory.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/Timeout.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/AttributeMap.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/IllegalReferenceCountException.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/concurrent/GlobalEventExecutor.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/HashedWheelTimer.java
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* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java
*
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java
* /netty-common-4-1-118-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java

```

1.298 jaxb-api 2.3.1

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#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
```

```
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/ftzconf.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
subprojects/dlg
#
#
EOF
```

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```
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* /reactor-extra-3-5-2-sources-jar/reactor/function/Predicate6.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/DefaultContext.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/DefaultRepeat.java
*
/reactor-extra-3-5-2-sources-jar/reactor/function/Predicate4.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Predicate5.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Consumer4.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/IterationContext.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Consumer8.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoAverageBigInteger.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoAverageFloat.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoSumLong.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Consumer6.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/Repeat.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/AbstractRetry.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MathFlux.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoSumBigInteger.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Function7.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/TupleUtils.java
*
/reactor-extra-3-5-2-sources-jar/reactor/scheduler/clock/SchedulerClock.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Consumer7.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/BackoffDelay.java
```

```

* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoSumFloat.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Function4.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Consumer3.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Predicate3.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoSumDouble.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Predicate8.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoAverageBigDecimal.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Function8.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Consumer5.java
* /reactor-extra-3-5-2-sources-jar/reactor/scheduler/forkjoin/ForkJoinPoolScheduler.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoFromFluxOperator.java
*
/ reactor-extra-3-5-2-sources-jar/reactor/function/Function3.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoAverageDouble.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/Jitter.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Function5.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoSumBigDecimal.java
* /reactor-extra-3-5-2-sources-jar/reactor/retry/RepeatContext.java
* /reactor-extra-3-5-2-sources-jar/reactor/function/Function6.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoSumInt.java
* /reactor-extra-3-5-2-sources-jar/reactor/math/MonoMinMax.java
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 */
```

Found in path(s):

- \* /reactor-extra-3-5-2-sources-jar/reactor/retry/RetryExhaustedException.java
- \* /reactor-extra-3-5-2-sources-jar/reactor/cache/CacheMono.java
- \* /reactor-extra-3-5-2-sources-jar/reactor/retry/RetryContext.java
- \* /reactor-extra-3-5-2-sources-jar/reactor/retry/DefaultRetry.java
- \*
- /reactor-extra-3-5-2-sources-jar/reactor/retry/Retry.java
- \* /reactor-extra-3-5-2-sources-jar/reactor/cache/CacheFlux.java
- \* /reactor-extra-3-5-2-sources-jar/reactor/retry/Backoff.java

## 1.304 resilience4j-retry 2.2.0

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# 1.305 netty-transport-classes-epoll

## 4.1.118.Final

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```

* /netty-transport-classes-epoll-4-1-118-final-sources-
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
*
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollMode.java
* /netty-transport-classes-epoll-4-1-118-final-sources-
jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /netty-transport-classes-epoll-4-1-118-final-sources-
jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java
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* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java

```

\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java  
\*  
/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java  
\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/package-info.java  
\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java  
\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java  
\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/Epoll.java  
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\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java  
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\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannelConfig.java  
\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannel.java  
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\* Set the {@code TCP\_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.  
\* Keys can only be set on, not read to prevent a potential leak, as they are confidential.  
\* Allowing them being read would mean anyone with access to the channel could get them.

```

*/
/**
 * Set the {@code TCP_QUICKACK} option on the socket.
 * See <a href="https://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

```

Found in path(s):

/netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollSocketChannelConfig.java  
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 */
/**

```

- \* Set the `TCP_MD5SIG` option on the socket. See `linux/tcp.h` for more details.
  - \* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
  - \* Allowing them being read would mean anyone with access to the channel could get them.
- \*/

Found in path(s):

\* /netty-transport-classes-epoll-4-1-118-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java

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Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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## 1.308 spring-boot-jarmode-tools 3.4.3

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Found in path(s):

```
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/encrypt/DecryptEnvironmentPostProcessor.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/TextEncryptorBindHandler.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/encrypt/EnvironmentDecryptApplicationInitializer.java
*
/spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/util/PropertyUtils.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/util/ConditionalOnBootstrapEnabled.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/encrypt/AbstractEnvironmentDecrypt.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/util/ConditionalOnBootstrapDisabled.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/support/OriginTrackedCompositePropertySource.java
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- \* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/autoconfigure/WritableEnvironmentEndpointAutoConfiguration.java
- \* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/autoconfigure/RefreshEndpointAutoConfiguration.java
- \* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/refresh/ContextRefresher.java
- \*
- /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/named/ClientFactoryObjectProvider.java
- \* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/encrypt/EncryptorFactory.java
- \* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/config/PropertySourceLocator.java
- \* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/autoconfigure/RefreshAutoConfiguration.java

```

* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/health/RefreshScopeHealthIndicator.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/LoggingSystemShutdownListener.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/encrypt/RsaProperties.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/encrypt/KeyProperties.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/restart/RestartListener.java
*
/spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/config/SimpleBootstrapPropertySource.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/BootstrapApplicationListener.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/endpoint/event/RefreshEvent.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/env/EnvironmentUtils.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/util/ProxyUtils.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/BootstrapImportSelector.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/refresh/LegacyContextRefresher.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/BootstrapImportSelectorConfiguration.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/config/BootstrapPropertySource.java
*
/spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/scope/thread/ThreadScope.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/environment/EnvironmentChangeEvent.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/scope/ScopeCache.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/scope/GenericScope.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/endpoint/RefreshEndpoint.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/environment/EnvironmentManager.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/properties/ConfigurationPropertiesRebinder.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/config/annotation/RefreshScope.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/RefreshBootstrapRegistryInitializer.java
*
/spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/refresh/ConfigDataContextRefresher.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/config/PropertySourceBootstrapProperties.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/encrypt/EncryptionBootstrapConfiguration.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/properties/ConfigurationPropertiesBeans.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/endpoint/event/RefreshEventListener.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/autoconfigure/LifecycleMvcEndpointAutoConfiguration.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/restart/RestartEndpoint.java

```

```

* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/environment/WritableEnvironmentEndpoint.java
*
/spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/scope/refresh/RefreshScope.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/scope/thread/ThreadLocalScopeCache.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/autoconfigure/ConfigurationPropertiesRebinderAutoConfiguration.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/util/random/CachedRandomPropertySource.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/scope/StandardScopeCache.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/config/PropertySourceBootstrapConfiguration.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/util/random/CachedRandomPropertySourceEnvironmentPostProcessor.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/environment/WritableEnvironmentEndpointWebExtension.java
*
/spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/encrypt/KeyFormatException.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/logging/LoggingRebinder.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/context/scope/refresh/RefreshScopeRefreshedEvent.java
* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/bootstrap/BootstrapConfiguration.java
* /spring-cloud-context-4-2-0-sources-1-
jar/org/springframework/cloud/bootstrap/TextEncryptorConfigBootstrapper.java
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\* /spring-cloud-context-4-2-0-sources-1-

jar/org/springframework/cloud/bootstrap/encrypt/EncryptionRuntimeHints.java  
\* /spring-cloud-context-4-2-0-sources-1-  
jar/org/springframework/cloud/context/config/ContextRefreshedWithApplicationEvent.java  
\* /spring-cloud-context-4-2-0-sources-1-jar/org/springframework/cloud/context/refresh/RefreshScopeLifecycle.java  
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# 1.311 spring-cloud-starter-bus-amqp 4.2.0

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# 1.312 grep 3.11-r0

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# 1.314 servlet-api 6.0.0

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- web-common\_3\_0.xsd
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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- jakarta\_web-services\_client\_2\_0.xsd
- jsp\_3\_0.xsd
- jsp\_3\_1.xsd
- web-app\_5\_0.xsd
- web-app\_6\_0.xsd
- web-commonn\_5\_0.xsd
- web-commonn\_6\_0.xsd
- web-fragment\_5\_0.xsd
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## 1.315 alpine-baselayout 3.7.0-r0

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```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
# Maintainer: Francesco Colista <francesco.colista@gmail.com>
pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/_pkgreal-$pkgver.tar.gz"
```

```

_buildddir="$srcdir/${_pkgreal}-${pkgver}"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test
}

package() {
    cd "$_buildddir"
    make
    DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35 Software-License-0.103004.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-${pkgver}.tar.bz2"
"

_buildddir="$srcdir"/libart-lgpl-${pkgver}

prepare() {
    cd "$_buildddir"
    update_config_sub || return 1
}

build() {
    cd "$_buildddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \

```

```
|| return 1
make || return 1
}
```

```
package() {
cd "$_builddir"
make DESTDIR="$pkgdir" install || return 1
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
```

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# Maintainer: Valery Kartel <valery.kartel@gmail.com>

pkgname=perl-bsd-resource

\_pkgreal=BSD-Resource

pkgver=1.2909

pkgrel=2

pkgdesc="Perl extension implements the BSD process resource limit functions"

url="http://search.cpan.org/dist/BSD-Resource/"

arch="all"

license="GPL PerlArtistic"

cpandepends=""

```

cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/${_pkgreal}-${pkgver}.tar.gz"

_buildddir="$srcdir/${_pkgreal}-${pkgver}"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    make && make test || return 1
}

package() {
    cd "$_buildddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir"
    \(-name perllocal.pod -o -name .packlist\) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012 BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06 BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276cce2bd40a429fa430 BSD-Resource-1.2909.tar.gz"
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pkgname=py-flake8-copyright

\_pkgname=flake8-copyright

pkgver=0.2.0

pkgrel=1

pkgdesc="Extension for flake8 which checks for copyrights"

url="https://github.com/savoirfairelinux/flake8-copyright"

arch="noarch"

license="MIT"

depends="flake8"

makedepends="python3-dev"

source="https://files.pythonhosted.org/packages/source/\${\_pkgname:0:1}/\${\_pkgname}/\${\_pkgname}-\${pkgver}.tar.gz"

builddir="\${srcdir}/\${\_pkgname}-\${pkgver}"

```
build() {  
    cd "$builddir"  
    python3 setup.py build || return 1  
}
```

```
package() {
  cd "$builddir"
  python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}
```

```
md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90
flake8-copyright-0.2.0.tar.gz"
mini_sendmail - accept email on behalf of real sendmail
```

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Found in path(s):

\* /spring-security-web-6-4-3-jar/org/springframework/security/default-ui.css

# 1.317 alpine-release 3.22.2-r0

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Julian Seward, jseward@acm.org  
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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# 1.321 pop 2.0.3

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src/bsd\_getopt.c

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man/bitstring.3bsd

man/errc.3bsd

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man/setmode.3bsd

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man/strnstr.3bsd

man/strtoi.3bsd

man/strtou.3bsd

man/unvis.3bsd

man/vis.3bsd  
man/wcslcpy.3bsd  
src/getbsize.c  
src/heapsort.c  
src/merge.c  
src/nlist.c  
src/pwcache.c  
src/radixsort.c  
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man/humanize\_number.3bsd

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man/strlcpy.3bsd

man/strtonum.3bsd

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src/arc4random\_uniform.c

src/arc4random\_unix.h

src/arc4random\_win.h

src/closefrom.c

src/freezero.c

src/getentropy\_aix.c

src/getentropy\_bsd.c

src/getentropy\_hpux.c

src/getentropy\_hurd.c

src/getentropy\_linux.c

src/getentropy\_osx.c

src/getentropy\_solaris.c

src/getentropy\_win.c

src/readpassphrase.c

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## 1.324 mapstruct 1.6.3



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## 1.325 libtasn 4.20.0-r0

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# 1.326 snake-yaml 2.3

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Manifest-Version: 1.0  
Automatic-Module-Name: org.snakeyaml.engine.v2  
Bnd-LastModified: 1618842641913  
Build-Jdk: 11.0.10  
Built-By: somov  
Bundle-Description: Core YAML 1.2 parser and emitter for Java  
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>  
Bundle-ManifestVersion: 2  
Bundle-Name: SnakeYAML Engine  
Bundle-SymbolicName: org.snakeyaml.engine  
Bundle-Version: 2.3.0  
Created-By: Apache Maven Bundle Plugin  
Export-Package: org.snakeyaml.engine.v2.api;version="2.3",org.snakeyaml.engine.v2.api.lowlevel;version="2.3",org.snakeyaml.engine.v2.comments;version="2.3",org.snakeyaml.engine.v2.common;version="2.3",org.snakeyaml.engine.v2.composer;version="2.3",org.snakeyaml.engine.v2.constructor;version="2.3",org.snakeyaml.engine.v2.emitter;version="2.3",org.snakeyaml.engine.v2.env;version="2.3",org.snakeyaml.engine.v2.events;version="2.3",org.snakeyaml.engine.v2.exceptions;version="2.3",org.snakeyaml.engine.v2.nodes;version="2.3",org.snakeyaml.engine.v2.parser;version="2.3",org.snakeyaml.engine.v2.representer;version="2.3",org.snakeyaml.engine.v2.resolver;version="2.3",org.snakeyaml.engine.v2.scanner;version="2.3",org.snakeyaml.engine.v2.serializer;version="2.3",org.snakeyaml.engine.v2.tokens;version="2.3"  
Import-Package: org.snakeyaml.engine.v2.api;version="[2.3,3)",org.snakeyaml.engine.v2.comments;version="[2.3,3)",org.snakeyaml.engine.v2.composer;version="[2.3,3)",org.snakeyaml.engine.v2.constructor;version="[2.3,3)",org.snakeyaml.engine.v2.emitter;version="[2.3,3)",org.snakeyaml.engine.v2.env;version="[2.3,3)",org.snakeyaml.engine.v2.events;version="[2.3,3)",org.snakeyaml.engine.v2.exceptions;version="[2.3,3)",org.snakeyaml.engine.v2.nodes;version="[2.3,3)",org.snakeyaml.engine.v2.parser;version="[2.3,3)",org.snakeyaml.engine.v2.representer;version="[2.3,3)",org.snakeyaml.engine.v2.resolver;version="[2.3,3)",org.snakeyaml.engine.v2.scanner;version="[2.3,3)",org.snakeyaml.engine.v2



.serializer;version="[2.3,3)",org.snakeyaml.engine.v2.tokens;version="[2.3,3)"  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-4.2.0.201903051501

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- \* /gson-2-11-0-sources-1-jar/com/google/gson/stream/MalformedJsonException.java
- \* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonReader.java
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- \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ReflectionAccessFilterHelper.java
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\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/PreJava9DateFormatProvider.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/JavaVersion.java

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- \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlTypesSupport.java
- \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/NumberTypeAdapter.java
- \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlTimestampTypeAdapter.java

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- \* /gson-2-11-0-sources-1-jar/module-info.java
- \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/NonNullElementWrapperList.java

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Found in path(s):

```
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/TreeTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/LazilyParsedNumber.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/package-info.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlDateTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ConstructorConstructor.java
*
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/UnsafeAllocator.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlTimeTypeAdapter.java
```

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 */
```

Found in path(s):

```
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonParser.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonStreamParser.java
```

\* /gson-2-11-0-sources-1-jar/com/google/gson/FieldAttributes.java  
\* /gson-2-11-0-sources-1-jar/com/google/gson/LongSerializationPolicy.java

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\* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Until.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/DefaultDateTypeAdapter.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonDeserializer.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Since.java

\*

/gson-2-11-0-sources-1-jar/com/google/gson/JsonDeserializationContext.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonParseException.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Expose.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/\$Gson\$Types.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/reflect/package-info.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/Gson.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonObject.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSerializationContext.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Excluder.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonPrimitive.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonNull.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/FieldNamingPolicy.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonElement.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSerializer.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/SerializedName.java

\*

/gson-2-11-0-sources-1-jar/com/google/gson/package-info.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/InstanceCreator.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/ExclusionStrategy.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ObjectConstructor.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonIOException.java



```
* /gson-2-11-0-sources-1-jar/com/google/gson/FieldNamingStrategy.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/$Gson$Preconditions.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonArray.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Primitives.java
* /gson-2-11-0-sources-1-jar/com/google/gson/reflect/TypeToken.java
* /gson-2-11-0-sources-1-jar/com/google/gson/GsonBuilder.java
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```
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Streams.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSyntaxException.java
```

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* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/shrink-frames.properties
```

```

* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/shrink.properties
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
*
/asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/shrink-resize.properties
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```

```

*/

```

```

/***

```

```

* Constructs a new {@link Textifier}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #Textifier(int)}
* version.
*
* @throws IllegalStateException
*       If a subclass calls this constructor.
*/

```

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\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java  
\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/xml/ASMContentHandler.java  
\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/xml/Processor.java  
\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/xml/SAXAdapter.java  
\*  
/asm-all-5-1-sources-2-jar/org/objectweb/asm/xml/SAXFieldAdapter.java  
\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/xml/SAXClassAdapter.java  
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- /\*\*
- \* Creates a new {@link GeneratorAdapter}. *<i>Subclasses must not use this*
- \* *constructor</i>.* Instead, they must use the
- \* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
- \* version.
- \*
- \* @param mv
- \* the
- method visitor to which this adapter delegates calls.
- \* @param access
- \* the method's access flags (see {@link Opcodes}).
- \* @param name
- \* the method's name.
- \* @param desc
- \* the method's descriptor (see {@link Type Type}).
- \* @throws IllegalStateException
- \* If a subclass calls this constructor.
- \*/

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- \*/
- /\*\*
- \* Creates a new JSRInliner. <i>Subclasses must not use this
- \* constructor</i>. Instead, they must use the
- \* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}  
 \* version.
- \*
- \* @param mv
- \*
- the `MethodVisitor` to send the resulting inlined
- \* method code to (use `null` for none).
- \* @param access
- \* the method's access flags (see {@link Opcodes}). This
- \* parameter also indicates if the method is synthetic and/or
- \* deprecated.
- \* @param name
- \* the method's name.
- \* @param desc
- \* the method's descriptor (see {@link Type}).
- \* @param signature
- \* the method's signature. May be `null`.
- \* @param exceptions
- \* the internal names of the method's exception classes (see
- \* {@link Type#getInternalName() getInternalName}). May be
- \* `null`.
- \* @throws IllegalStateException
- \* If a subclass calls this constructor.
- \*/

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\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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*/
/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

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```
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- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/package.html
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/package.html
- \*

- /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/package.html
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/package.html

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- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/TypeReference.java

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- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/Subroutine.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/MethodVisitor.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/MethodInsnNode.java
- \*
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/SmallSet.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/SimpleRemapper.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/Analyzer.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/NameMapping.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/FrameNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Type.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/SourceValue.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/MethodWriter.java

```

* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/LabelNode.java
*
/asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/ByteVector.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/ClassReader.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Opcodes.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Label.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/AnnotationRemapper.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/FieldWriter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
*
/asm-all-5-1-sources-2-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/SignatureRemapper.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/FieldVisitor.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/signature/SignatureWriter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/InsnNode.java
*
/asm-all-5-1-sources-2-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/AnnotationVisitor.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Handle.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/ASMifier.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/InnerClassNode.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/Printer.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Edge.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/signature/SignatureReader.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/Method.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/Constant.java
*
/asm-all-5-1-sources-2-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/TryCatchBlockNode.java

```

- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/JarOptimizer.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/Shrinker.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/signature/SignatureVisitor.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/ConstantPool.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/VarInsnNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/AnnotationNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/TraceClassVisitor.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Attribute.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/ClassRemapper.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/FieldNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/StaticInitMerger.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
- \*
- /asm-all-5-1-sources-2-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/MethodRemapper.java
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- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/AnnotationWriter.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/ParameterNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Context.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Item.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/IntInsnNode.java
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- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/Handler.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
- \*
- /asm-all-5-1-sources-2-jar/org/objectweb/asm/Frame.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/FieldRemapper.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/FieldInsnNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/Value.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/BasicValue.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/MethodNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/util/TraceMethodVisitor.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/Frame.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/Remapper.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/LocalVariableNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
- \*
- /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/LineNumberNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/ClassVisitor.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/LdcInsnNode.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- \* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/InsnList.java

\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/InsnNode.java

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/\*\*

\* Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this

\* constructor</i>. Instead, they must use the

\* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}

\* version.

\*

\* @param owner

\*

the owner's class name.

\* @param access

\* the method's access flags (see {@link Opcodes}).

\* @param name

\* the method's name.

\* @param desc

\* the method's descriptor (see {@link Type Type}).

```

* @param mv
*     the method visitor to which this adapter delegates calls. May
*     be <tt>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

Found in path(s):

```
* /asm-all-5-1-sources-2-jar/org/objectweb/asm/commons/AnalyzerAdapter.java
```

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```
/**

```

```

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```

```
*/

```

```
/**

```

```

* Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
* not use this constructor</i>. Instead, they must use the
* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
* version.
*

```

```

* @param typeRef
*     a reference to the annotated type. See {@link TypeReference}.
* @param typePath
*     the path to the annotated type argument, wildcard bound, array
*     element type, or static inner type within 'typeRef'. May be
*     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
* @param start
*     the first instructions corresponding to the continuous ranges
*     that make the scope of this local variable (inclusive).
* @param end
*     the last instructions corresponding to the continuous ranges
*     that make the scope of this local variable (exclusive). This
*     array must have the same size as the 'start' array.
* @param index
*     the local variable's index in each range. This array must have
*     the same size as the 'start' array.
* @param desc
*     the class descriptor of
the annotation class.
*/

```

Found in path(s):

\* /asm-all-5-1-sources-2-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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- \* /truelicense-core-4-0-3-sources-jar/META-INF/maven/global.namespace.truelicense/truelicense-core/pom.xml

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- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/Cache.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/passwd/ObfuscatedPasswordProtection.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/AbstractLicense.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/misc/package-info.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/TrueLicenseManagementContext.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/misc/Strings.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/auth/Messages.java

- \* /truelicense-core-4-0-3-sources-

jar/global/namespace/truelicense/core/TrueLicenseManagementContextBuilder.java

\*

- /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/crypto/package-info.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/package-info.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/passwd/package-info.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/Messages.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/crypto/EncryptionMixin.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/LicenseStub.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/auth/Notary.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/auth/package-info.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/auth/NotaryException.java

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/passwd/MinimumPasswordPolicy.java

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- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/Messages.properties

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/Messages\_de.properties

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/auth/Messages\_de.properties

- \* /truelicense-core-4-0-3-sources-jar/global/namespace/truelicense/core/auth/Messages.properties

## 1.331 cxf-rt-frontend-simple 4.1.2

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 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/AbstractDelegatingXMLStreamReader.java  
 \*  
 /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/ClientConfiguration.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/ScopedXMLStreamReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/BasicXMLStreamReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/SelectingXMLStreamReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/DrainingXMLStreamReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/XIncludeXMLStreamReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/\_private/ConfigMessages.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/ConfigurationXMLStreamReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/XMLLocation.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/TextXMLStreamReader.java  
 \*  
 /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/Delimiterator.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/CountingReader.java  
 \* /wildfly-client-config-1-0-1-final-sources-1-jar/org/wildfly/client/config/EmptyXMLStreamReader.java  
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- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/regexp/ParserForXMLSchema.java

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\* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/regexp/ParseException.java  
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\* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/regexp/Token.java  
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- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/XSDatatype.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/ErrorDatatypeLibrary.java
- \*
- /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/MinLengthFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/GYearMonthType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/PatternFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/TotalDigitsFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/XmlNames.java
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- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/Comparator.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/PreciseCalendarParser.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/EnumerationFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/BinaryValueType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ByteType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DatatypeFactory.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NegativeIntegerType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DateTimeBaseType.java
- \*
- /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/SerializationContext.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/UnionType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/GYearType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/Util.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DateType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/FloatType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/BooleanType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/UnsignedIntType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/LengthFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DataTypeWithLexicalConstraintFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DurationType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/xml/util/XmlChars.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NameType.java
- \*
- /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/BuiltinAtomicType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/UnsignedShortType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ngimpl/DataTypeLibraryImpl.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/IDREFTType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/FractionDigitsFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/StringType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/FinalComponent.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ConcreteType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/WhiteSpaceProcessor.java



- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/Base64BinaryType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NmtokenType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/CalendarFormatter.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/FloatingNumberType.java
- \*
- /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/MaxExclusiveFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/Proxy.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/GMonthDayType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/TokenType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/MaxInclusiveFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/IntType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/QnameType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DataTypeWithFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/DatabindableDatatype.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/Discrete.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/GMonthType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/AbstractCalendarParser.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/BigTimeDurationValueType.java
- \*
- /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NcnameType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/RangeFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NumberType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/CalendarParser.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DateTimeType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/regex/RegExpFactory.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/TimeZone.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/regex/RegExp.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/IntegerDerivedType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/LongType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/AnyURIType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ShortType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/EntityType.java
- \*
- /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/QnameValueType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/regex/JDK50Impl.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/MinExclusiveFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/MaxLengthFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/PreciseCalendarFormatter.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/BigDateTimeValueType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/regex/XercesImpl.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ErrorType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/MinInclusiveFacet.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ngimpl/DatatypeBuilderImpl.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/HexBinaryType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/GDayType.java
- \* /xsdlib-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NonNegativeIntegerType.java
- \*

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/xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/NormalizedStringType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/IDateTimeValueType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/UnicodeUtil.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/TypeIncubator.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/TimeType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/AbstractCalendarFormatter.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ListType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/PositiveIntegerType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/IntegerType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/WhiteSpaceFacet.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/DataTypeWithValueConstraintFacet.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/IntegerValueType.java
*
/xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/XSDatatypeImpl.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/regex/JDKImpl.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/LanguageType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/IDType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/UnsignedLongType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/ListValueType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/DateTimeFactory.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/datetime/ITimeDurationValueType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/SimpleURType.java
* /xsdlb-2022-7-sources-1-jar/com/sun/msv/datatype/xsd/BinaryBaseType.java

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jar/org/springframework/messaging/converter/MessageConversionException.java

\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompSessionHandler.java

\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/ContentTypeResolver.java

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*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/StringMessageConverter.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/support/MethodArgumentTypeMismatchException.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/MessagingException.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/MessageConverter.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/core/BeanFactoryMessageChannelDestinationResolver.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/MessagingAdviceBean.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/SimpSubscription.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpMessageSendingOperations.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandler.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/GenericMessageConverter.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpSessionScope.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/MethodArgumentResolutionException.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/ReconnectStrategy.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/SimpMessageTypeMessageCondition.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/SimpSession.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodReturnValueHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/support/IdTimestampMessageHeaderInitializer.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/SmartMessageConverter.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/ByteArrayMessageConverter.java
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* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/Header.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompFrameHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolver.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/DestinationUserNameProvider.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/TcpConnectionHandler.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/MessageCondition.java
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jar/org/springframework/messaging/simp/stomp/StompSessionHandlerAdapter.java
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* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompClientSupport.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/config/AbstractBrokerRegistration.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/CompositeMessageCondition.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/annotation/support/SubscriptionMethodReturnValueHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/support/MethodArgumentNotValidException.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/AbstractExceptionHandlerMethodResolver.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodReturnValueHandlerComposite.java
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* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/UserDestinationResolver.java
*
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/SimpSubscriptionMatcher.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/SendTo.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompReactorNettyCodec.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompCommand.java
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- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/reactive/DestinationVariableMethodArgumentResolver.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/support/DestinationVariableMethodArgumentResolver.java
- \*
- /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/ReactiveMessageHandler.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/MetadataExtractorRegistry.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/annotation/ConnectMapping.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/MetadataExtractorRegistryExtensions.kt
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/reactive/ContinuationHandlerMethodArgumentResolver.java
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- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/MessageMapping.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/reactive/HeadersMethodArgumentResolver.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/reactive/HeaderMethodArgumentResolver.java
- \*
- /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/support/HeaderMethodArgumentResolver.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/annotation/support/PrincipalMethodArgumentResolver.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/MetadataExtractor.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/DestinationVariable.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/MessageHandler.java
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```

* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/RSocketStrategies.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/GsonMessageConverter.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/stomp/StompTcpConnectionHandler.java
*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/annotation/support/RSocketPayloadReturnValueHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invoke/invocation/reactive/InvocableHelper.java

```



\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/RSocketConnectorConfigurer.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/SimpUser.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/ProtobufJsonFormatMessageConverter.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/annotation/support/RSocketRequesterMethodArgumentResolver.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpMessageType.java  
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 */
/**
 * Set the max pool size of the ThreadPoolExecutor.
 * <p><strong>NOTE:</strong> When an unbounded
 * {@link #queueCapacity(int) queueCapacity} is configured (the default), the
 * max pool size is effectively ignored. See the "Unbounded queues" strategy
 * in {@link java.util.concurrent.ThreadPoolExecutor} for
 * ThreadPoolExecutor} for
 * more details.
 * <p>By default this is set to {@code Integer.MAX_VALUE}.
 */
```

Found in path(s):

\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/config/TaskExecutorRegistration.java  
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```
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/service/RSocketExchangeReflectiveProcessor.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/converter/AbstractJsonMessageConverter.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/AbstractSubscribableChannel.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/DefaultContentTypeResolver.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/service/DestinationVariableArgumentResolver.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/service/RSocketExchangeBeanRegistrationAotProcessor.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/broker/SimpleBrokerMessageHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/reactive/MessageMappingMessageHandler.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNetty2TcpClient.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/support/DefaultMessageHandlerMethodFactory.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/RSocketRequesterExtensions.kt
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/AbstractMessageChannel.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/config/SimpleBrokerRegistration.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/reactive/PayloadMethodArgumentResolver.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/service/RSocketExchange.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/GenericMessage.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/InvocableHandlerMethod.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/HandlerMethod.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/service/RSocketRequestValues.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/PayloadUtils.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/MessageExceptionHandler.java
*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/annotation/support/MessagingRSocket.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/MessageBuilder.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/reactive/AbstractMethodMessageHandler.java
* /spring-messaging-6-2-3-sources-
```

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jar/org/springframework/messaging/converter/MarshallingMessageConverter.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/DefaultMetadataExtractor.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/AbstractMessageConverter.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/DefaultRSocketStrategies.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/support/PayloadMethodArgumentResolver.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompHeaderAccessor.java
*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/service/RSocketServiceProxyFactory.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/support/MessageMethodArgumentResolver.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/MessageHeaderAccessor.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/annotation/SubscribeMapping.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/rsocket/annotation/support/RSocketFrameTypeMessageCondition.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpMessageHeaderAccessor.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/stomp/StompBrokerRelayMessageHandler.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpClient.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/GenericMessagingTemplate.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/MessageHeaders.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/CompositeMessageConverter.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/broker/OrderedMessageChannelDecorator.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompHeaders.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/config/MessageBrokerRegistry.java
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```

* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/MessagePostProcessor.java

```

\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/MessageDeliveryException.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/SubscribableChannel.java  
\*  
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/DestinationResolutionException.java  
\* /spring-messaging-6-2-3-sources-  
jar/org/springframework/messaging/simp/stomp/StompConversionException.java  
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\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/SimpleMessageConverter.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/MessageHeaderInitializer.java  
\* /spring-messaging-6-2-3-sources-  
jar/org/springframework/messaging/handler/annotation/support/MessageHandlerMethodFactory.java  
\*  
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/HeaderMapper.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/MessageHandlingRunnable.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/InterceptableChannel.java  
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\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/BufferingStompDecoder.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/handler/annotation/support/AbstractNamedValueMethodArgumentResolver.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/simp/annotation/support/SimpAnnotationMethodMessageHandler.java

\*

/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompDecoder.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/simp/config/AbstractMessageBrokerConfiguration.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/converter/MappingJackson2MessageConverter.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/handler/invoke/reactive/ChannelSendOperator.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/rsocket/annotation/support/RSocketMessageHandler.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/handler/invoke/reactive/AbstractEncoderMethodReturnValueHandler.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/rsocket/service/PayloadArgumentResolver.java

\* /spring-messaging-6-2-3-sources-

jar/org/springframework/messaging/handler/annotation/reactive/AbstractNamedValueMethodArgumentResolver.java

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*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/AsyncHandlerMethodReturnValueHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/ListenableFutureReturnValueHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/MessageMappingReflectiveProcessor.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/ConnectionLostException.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/PollableChannel.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/DefaultStompSession.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/config/ChannelRegistration.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/broker/AbstractBrokerMessageHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/AbstractMethodMessageHandler.java
*
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/ProtobufMessageConverter.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompEncoder.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/broker/DefaultSubscriptionRegistry.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/TcpConnection.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/annotation/support/SendToMethodReturnValueHandler.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/user/DefaultUserDestinationResolver.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/ExecutorSubscribableChannel.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/AbstractMessageSendingTemplate.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/stomp/ConnectionHandlingStompSession.java
*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/AbstractAsyncReturnValueHandler.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/service/RSocketServiceMethod.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/DestinationPatternsMessageCondition.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpMessageMappingInfo.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/DefaultRSocketRequester.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/MultiServerUserRegistry.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/invocation/reactive/InvocableHandlerMethod.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpMessagingTemplate.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/TcpOperations.java
*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/simp/stomp/ReactorNettyTcpStompClient.java
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- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/DefaultRSocketRequesterBuilder.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invocation/CompletableFutureReturnValueHandler.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpConnection.java
- \*
- /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/service/MetadataArgumentResolver.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/TcpMessageCodec.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/KotlinSerializationJsonMessageConverter.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/RSocketRequester.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/MetadataEncoder.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invocation/reactive/ArgumentResolverConfigurer.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolverComposite.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandlerComposite.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/ErrorMessage.java
- \*
- /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/user/UserRegistryMessageHandler.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/converter/JsonbMessageConverter.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompSession.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodArgumentResolverComposite.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invocation/ReactiveReturnValueHandler.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/NativeMessageHeaderAccessor.java
- \* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNetty2TcpConnection.java

\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/stomp/StompTcpMessageCodec.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/rsocket/service/RSocketServiceArgumentResolver.java  
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/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/annotation/Payload.java  
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\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/Message.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/MessageReceivingOperations.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/broker/BrokerAvailabilityEvent.java  
\*  
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/broker/SubscriptionRegistry.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/DestinationResolvingMessageRequestReplyOperations.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/AbstractNioBufferReactorNettyCodec.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpLogging.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/MessageSendingOperations.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/DestinationResolvingMessageReceivingOperations.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/MessageRequestReplyOperations.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/broker/AbstractSubscriptionRegistry.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/handler/invoke/reactive/ReturnValueHandlerConfigurer.java  
\*  
/spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/annotation/support/MissingSessionUserException.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/ChannelInterceptor.java  
\* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/DestinationResolver.java  
\* /spring-messaging-6-2-3-sources-



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jar/org/springframework/messaging/handler/invoke/reactive/HandlerMethodArgumentResolver.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/ExecutorChannelInterceptor.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/core/DestinationResolvingMessageSendingOperations.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpAttributes.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/SimpAttributesContextHolder.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNettyCodec.java
*
/spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/support/ImmutableMessageChannelInterceptor.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/simp/annotation/SendToUser.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/CachingDestinationResolverProxy.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/core/AbstractDestinationResolvingMessagingTemplate.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/tcp/FixedIntervalReconnectStrategy.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/core/AbstractMessagingTemplate.java
* /spring-messaging-6-2-3-sources-jar/org/springframework/messaging/support/AbstractHeaderMapper.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/core/AbstractMessageReceivingTemplate.java
* /spring-messaging-6-2-3-sources-
jar/org/springframework/messaging/handler/annotation/support/AnnotationExceptionHandlerMethodResolver.java

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\* /feign-form-spring-13-5-sources-1-jar/META-INF/maven/io.github.openfeign/feign-form-spring/pom.xml

## 1.339 asm 9.3

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```
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* /asm-9-3-sources-2-jar/org/objectweb/asm/ClassTooLargeException.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ModuleVisitor.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Handler.java  
*  
/asm-9-3-sources-2-jar/org/objectweb/asm/RecordComponentWriter.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Attribute.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ConstantDynamic.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/CurrentFrame.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Edge.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ModuleWriter.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Context.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/RecordComponentVisitor.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/FieldWriter.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Opcodes.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/AnnotationWriter.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/TypePath.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ClassReader.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/TypeReference.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Frame.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/signature/SignatureWriter.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ByteVector.java  
*  
/asm-9-3-sources-2-jar/org/objectweb/asm/Handle.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Label.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Symbol.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/signature/SignatureReader.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ClassVisitor.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/ClassWriter.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/FieldVisitor.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/Constants.java  
* /asm-9-3-sources-2-jar/org/objectweb/asm/MethodVisitor.java
```

\* /asm-9-3-sources-2-jar/org/objectweb/asm/MethodWriter.java  
\* /asm-9-3-sources-2-jar/org/objectweb/asm/MethodTooLargeException.java  
\* /asm-9-3-sources-2-jar/org/objectweb/asm/AnnotationVisitor.java  
\* /asm-9-3-sources-2-jar/org/objectweb/asm/Type.java

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\* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java

\* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java

\*

/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java

\* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java

\* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java

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```
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuery.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java
*
/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponse.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsQuestion.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java
*
/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsQuery.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsResponse.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java
* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java
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/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsRecord.java
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\* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/TcpDnsQueryEncoder.java  
\*  
/netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsQueryEncoder.java  
\* /netty-codec-dns-4-1-118-final-sources-jar/io/netty/handler/codec/dns/DnsCodecUtil.java

## 1.341 xml-beans 5.3.0

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#  
$Id: javaee-api.bnd 13444 2008-03-28 15:57:28Z benoitf $  
# -----
```

-exportcontents org.apache.xmlbeans.\*;version=\${xmlbeans.version}

```
Import-Package !com.sun.*,\  
    !org.apache.tools.ant.*,\  
    !org.apache.xml.resolver.*,\  
    !org.apache.crimson.*,\  

```



org.w3c.dom,\

\*

Private-Package !\*

Embed-Dependency xmlbeans;inline=true

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# 1.344 activation-api 1.2.0

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# 1.348 truelicense-obfuscate 4.0.3

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```
#
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#

global.namespace.truelicense.obfuscate.processor.ObfuscateProcessor
/*
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*/
#macro(obfuscate $string)$java.obfuscatedString($string).replace("global.namespace.truelicense.obfuscate.",
```

```

""").replaceAll(" \\.\\.*\\./", ".toString()")#end
#set($hash = '#')
package global.namespace.truelicense.obfuscate;

import java.nio.ByteBuffer;
import java.nio.charset.Charset;
import java.util.Arrays;
import java.util.Random;
import java.util.concurrent.Callable;

/**
 * A thread-safe representation of an obfuscated string.
 *
 * <h2>Motivation</h2>
 * <p>
 * Software developers may wish to apply some licensing scheme to protect their
 * Intellectual Property (IP).
 * When implementing the licensing scheme, it is vital to obfuscate the Java
 * byte code.
 * Otherwise, a reverse engineer can simply replace the licensing code with a
 * stub in order to break the licensing scheme.
 * <p>
 * Likewise, all constant string expressions which are used to interact with
 *
 * the licensing code need to get obfuscated, too.
 * Otherwise, a reverse engineer can simply search for known strings in the
 * Java byte code in order to identify the obfuscated licensing code or replace
 * its key strings with self-generated key strings.
 *
 * <h2>Usage</h2>
 * <p>
 * This class specifically addresses the need to obfuscate constant string
 * expressions in Java byte code.
 * Note that general Java byte code obfuscation is out of scope - there are
 * other tools required to do this!
 * <p>
 * To obfuscate a constant string expression you need to pass it to the static
 * method {@link ${hash}obfuscate} at design time and replace it with the generated
 * Java source code expression.
 * At runtime, a duplicate of the original constant string expression will get
 * computed by the Java source code expression.
 * If you need to preserve the identity relation of constant string expressions,
 * then you need to add a call to {@link String${hash}intern}() to the duplicated
 *
 * string.
 * <p>
 * A tool for Java byte code transformation (e.g. the TrueLicense Maven Plugin)
 * may automate some or all of these steps.

```

\* However, it needs to call {@link \${hash}array} instead of {@link \${hash}obfuscate} at  
\* build time.

\*

\* <h2>Security Considerations</h2>

\* <p>

\* Note that obfuscation is *not* equal to encryption:

\* In contrast to the application of the simple and cheap obfuscation scheme in  
\* this class, strong encryption would be comparably slow and expensive in  
\* terms of resources - no matter what encryption algorithm would actually get  
\* used.

\* Moreover, encrypting constant string expressions in Java byte code does not  
\* effectively increase the security level when compared to simple obfuscation.  
\* This is because an encryption key still needs to be made available to the  
\* Java byte code and so could get eavesdropped by tracing JVM calls with the  
\* standard JDK tool chain.

\* Thus, the simple obfuscation scheme implemented by this class  
is preferred

\* over complex encryption.

\* Conversely, if someone is proposing to encrypt constant string expressions  
\* then please check if (s)he is trying to sell

\* <a href="http://en.wikipedia.org/wiki/Snake\_oil">snake oil</a>.

\*

\* @see Obfuscate

\*/

// All constant string expressions in this class which are longer than two  
// characters need to get obfuscated as either an ObfuscatedString or, where  
// this would result in a stack overflow, as an array of Unicode characters.  
// This should help to prevent location of this class in obfuscated Java byte  
// code.

public final class ObfuscatedString {

/\*\* The UTF-8 character set. \*/

private static final Charset charset = Charset.forName(  
new String(new char[] { '\u0055', '\u0054', '\u0046', '\u0038' })); // => "UTF8"

/\*\*

\* Returns a string containing an obfuscated Java source code expression  
\* which computes a duplicate of the given string again.

\* This is equivalent to calling

\* <code>{@link

\${hash}java}{long[]})({@link \${hash}array}(String))(s)</code>.

\* <p>

\* As an example, calling this method with {@code "Hello world!"} as

\* its parameter may produce the result

\* {@code "new global.namespace.truelicense.obfuscate.runtime.ObfuscatedString(new long[] {  
\* 0x39e61a665e397740L, 0xb681642064a96eaeL, 0xb8eb509886cc10f9L }).toString()"}.

\* If this Java source code is compiled and executed, it will

\* reproduce the original string {@code "Hello world!"} again.

```

*
* @param s the string to obfuscate.
*     This may not contain null characters.
* @throws IllegalArgumentException If {@code s} contains a null character.
* @return Some obfuscated Java source code to produce the given string
*     again.
*/
public static String obfuscate(final String s) { return java(array(s)); }

/**
* Returns a string containing an obfuscated Java source code expression
* which computes a duplicate
from the given array representation of the
* original string.
*
* @param obfuscated the obfuscated array representation of the original
*     string.
* @return a string containing an obfuscated Java source code expression
*     which computes a duplicate from the given array representation
*     of the original string.
*/
public static String java(final long[] obfuscated) {
    // Create and initialize a string builder to hold the generated Java
    // source code.
    final StringBuilder code = new StringBuilder("#obfuscate("new
global.namespace.truelicense.obfuscate.ObfuscatedString(new long[] { "));

    // Append the seed as the first array element of the obfuscated string.
    // All values are represented in hexadecimal in order to keep the
    // Java source code as short as possible.
    appendHexLiteral(code, obfuscated[0]);
    for (int i = 1; i < obfuscated.length; i++) {

appendHexLiteral(code.append(", "), obfuscated[i]);
    }

    return code
        .append("#obfuscate(" ").toString() /* => ")
        .append(literal(new ObfuscatedString(obfuscated).toString()).replace("*/", "*/\\V")) // escape */ in comment
        .append("#obfuscate(" */"))
        .toString();
}

/**
* Encodes the given string to a valid string literal in Java source code.
*
* @param s the string to quote and escape.
* @return The transformed string.

```

```

*/
public static String literal(String s) {
    return "" + s.replace("\\", #obfuscate("\")).replace("'", #obfuscate("'")) + "";
}

/**
 * Returns an obfuscated array representation of the given string.
 * Obfuscation is performed by encoding the given string into UTF8 and then
 * XOR-ing a sequence of pseudo random numbers to it.
 * The result is decoded into an array of long integers as the obfuscated
 * array representation
of the given string.
 * The sequence of pseudo random numbers is seeded with a random
 * number in order to provide a non-deterministic result for the obfuscated
 * array representation.
 * Hence, two subsequent calls with an equal string will produce equal
 * results by a chance of only  $1/(2^{48} - 1)$  - zero is not used as
 * a seed.
 *
 * @param s the string to obfuscate.
 *      This may not contain null characters.
 * @throws IllegalArgumentException If {@code s} contains a null character.
 * @return an obfuscated array representation for the given string.
 */
public static long[] array(final String s) {
    if (-1 != s.indexOf(0)) {
        throw new IllegalArgumentException("#obfuscate(\"Null characters are not allowed!\");");
    }

    // Encode the string to a byte array using UTF-8.
    final byte[] encoded = s.getBytes(charset);

    // Create the array to hold the result.
    final
int el = encoded.length;
    final long[] obfuscated = new long[1 + (el + 7) / 8];

    // Obtain a random long as the key, seed a new PRNG with it and save it.
    final long key = key();
    final Random prng = new Random(key);
    obfuscated[0] = key;

    // Obfuscate the encoded string.
    // This will produce some null high order bytes in the last array
    // element iff the string was not encoded to a multiple of eight bytes.
    for (int i = 0, j = 0; i < el; i += 8) {
        obfuscated[++j] = decode(encoded, i) ^ prng.nextLong();
    }
}

```

```

    }

    return obfuscated;
}

private static long key() {
    final Random prng = new Random();
    for (long key; ; ) {
        if (0 != (key = prng.nextLong())) {
            return key;
        }
    }
}

private static void appendHexLiteral(final StringBuilder sb, final long l) {
    // Obfuscation of the following character literals is futile because
    // they are too short to get found with a string search anyway.
    sb.append("\u0030").append("\u0078").append(Long.toHexString(l)).append("\u004C"); // => "0x" + ... + "L"
}

/**
 * Decodes a long value from eight bytes in little endian order,
 * beginning at index {@code off}.
 * This is the inverse of {@link ${hash}encode(long, byte[], int)}.
 * If less than eight bytes are remaining in the array,
 * only these low order bytes are processed and the complementary high
 * order bytes of the returned value are set to zero.
 *
 * @param bytes the array containing the bytes to decode in little endian
 *         order.
 * @param off the offset of the bytes in the array.
 * @return The decoded long value.
 */
private static long decode(final byte[] bytes, final int off) {
    final int end = Math.min(bytes.length, off + 8);
    long value = 0;
    for (int i = end; --i >= off; ) {
        value <<=
8;
        value |= bytes[i] & 0xFF;
    }
    return value;
}

/**
 * Encodes a long value to eight bytes in little endian order,
 * beginning at index {@code off}.
 * This is the inverse of {@link ${hash}decode}(byte[], int)}.

```

```

* If less than eight bytes are remaining in the array,
* only these low order bytes of the long value are processed and the
* complementary high order bytes are ignored.
*
* @param value the long value to encode.
* @param bytes the array which holds the encoded bytes upon return.
* @param off the offset of the bytes in the array.
*/
private static void encode(long value, final byte[] bytes, final int off) {
    final int end = Math.min(bytes.length, off + 8);
    for (int i = off; i < end; i++) {
        bytes[i] = (byte) value;
        value >>= 8;
    }
}

private final long[] obfuscated;

/**
 * Constructs an obfuscated string from the given array.
 *
 * @param obfuscated the array representation of the obfuscated string.
 * @throws ArrayIndexOutOfBoundsException If the provided array does not
 *         contain at least one element.
 * @see #toString
 */
public ObfuscatedString(final long[] obfuscated) {
    this.obfuscated = obfuscated.clone();
    this.obfuscated[0] = obfuscated[0]; // fail fast check
}

/**
 * Reproduces a copy of the original string from the obfuscated array
 * representation provided to the constructor.
 *
 * @return A copy of the original string in a new char array.
 */
public char[] toCharArray() {
    return new Codec<char[]>() {

        @Override
        char[] decode(byte[] encoded, int length) throws Exception {
            return charset
                .newDecoder()
                .decode(ByteBuffer.wrap(encoded, 0, length))
                .array();
        }
    }.call();
}

```



```

}

/**
 * Reproduces a copy of the original string from the obfuscated array
 * representation provided to the constructor.
 *
 * @return A copy of the original string.
 */
@Override
public String toString() {
    return new Codec<String>() {

        @Override
        String decode(byte[] encoded, int length) throws Exception {
            return new String(encoded, 0, length, charset);
        }
    }.call();
}

/**
 * Equivalent to
 * <code>{@link ${hash}toString>() toString().{@link String${hash}intern>() intern()}</code>.
 *
 * @return A canonical representation of the original string.
 */
public String toStringIntern() { return toString().intern(); }

@Override
@Deprecated
protected void finalize() throws Throwable {
    Arrays.fill(obfuscated, 0L);
    super.finalize();
}

private abstract class Codec<V> implements Callable<V> {

    @Override
    public
    V call() {
        // Create the array to hold the encoded string.
        final long[] obfuscated = ObfuscatedString.this.obfuscated;
        final int ol = obfuscated.length;
        final byte[] encoded = new byte[8 * (ol - 1)];

        // Load the key and seed a new PRNG with it.
        final long key = obfuscated[0];
        final Random prng = new Random(key);
    }
}

```

```

// Encode the obfuscated string.
// This will leave some null bytes at the end of the array iff the
// original string was not encoded to a multiple of eight bytes.
for (int i = 1; i < ol; i++) {
    encode(obfuscated[i] ^ prng.nextLong(), encoded, 8 * (i - 1));
}

// Cut-off any null bytes and decode the string from the byte array
// using UTF-8.
int el = encoded.length;
for (int j = el; 0 < j && 0 == encoded[--j]; el = j) {

    try {
        return
decode(encoded, el);
    } catch (final RuntimeException ex) {
        throw ex;
    } catch (final Exception ex) {
        throw new IllegalStateException(ex);
    } finally {
        Arrays.fill(encoded, 0, el, (byte) 0);
    }
}

abstract V decode(byte[] encoded, int length) throws Exception;
}
}

```

# 1.349 skalibs-libs 2.14.3.0-r0

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- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee\_10.xsd
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee\_web\_services\_client\_2\_0.xsd
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp\_3\_1.xsd
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee\_web\_services\_2\_0.xsd

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<xsd:enumeration value="CONFIDENTIAL"/>

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- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings\_fr.properties
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings\_ja.properties
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings\_es.properties
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/LocalStrings\_fr.properties
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/http/LocalStrings.properties
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- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jakartaee\_9.xsd
- \* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/jsp\_3\_0.xsd

\* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-fragment\_5\_0.xsd

\* /jakarta-servlet-api-6-0-0-jar/jakarta/servlet/resources/web-app\_5\_0.xsd

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin

Build-Jdk-Spec: 11

Bnd-LastModified: 1652339954197

Build-Jdk: 11.0.2

Built-By: jenkins

Bundle-Description: Jakarta Servlet 6.0

Bundle-DocURL: <https://www.eclipse.org>

Bundle-License: <http://www.eclipse.org/legal/epl-2.0>, <https://www.gnu.org/software/classpath/license.html>

Bundle-ManifestVersion: 2

Bundle-Name: Jakarta Servlet

Bundle-SymbolicName: jakarta.servlet-api

Bundle-Vendor: Eclipse Foundation

Bundle-Version: 6.0.0

Export-Package: jakarta.servlet;uses:="jakarta.servlet.annotation,jakarta.servlet.descriptor";version="6.0.0",jakarta.servlet.annotation;uses:="jakarta.servlet";version="6.0.0",jakarta.servlet.descriptor;version="6.0.0",jakarta.servlet.http;uses:="jakarta.servlet";version="6.0.0",jakarta.servlet.resources;version="6.0.0"

Extension-Name: jakarta.servlet

Implementation-Vendor: Eclipse Foundation

Implementation-Vendor-Id: org.eclipse

Implementation-Version:

6.0.0

Import-Package: jakarta.servlet,jakarta.servlet.annotation,jakarta.servlet.descriptor

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=11))"

Specification-Vendor: Eclipse Foundation

Specification-Version: 6.0

Tool: Bnd-5.1.1.202006162103

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\* /jakarta-servlet-api-6-0-0-jar/META-INF/MANIFEST.MF

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Julian Seward, Cambridge, UK.

[jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/BusStreamAutoConfiguration.java



\* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/RemoteApplicationEventListener.java  
\*  
/spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/StreamBusBridge.java  
\* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/PathDestinationFactory.java  
\* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/BusConsumer.java  
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- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/RefreshListener.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/BusPathMatcher.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/RemoteApplicationEvent.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/SentApplicationEvent.java
- \*
- /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/RefreshRemoteApplicationEvent.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/endpoint/EnvironmentBusEndpoint.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/BusAutoConfiguration.java
- \* /spring-cloud-bus-4-2-0-sources-
- jar/org/springframework/cloud/bus/jackson/RemoteApplicationEventRegistrar.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/PathServiceMatcher.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/TraceListener.java
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- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/DefaultBusPathMatcher.java
- \*
- /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/ConditionalOnBusEnabled.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/jackson/SubtypeModule.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/jackson/RemoteApplicationEventScan.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/BusProperties.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/UnknownRemoteApplicationEvent.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/jackson/BusJacksonAutoConfiguration.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/AckRemoteApplicationEvent.java
- \* /spring-cloud-bus-4-2-0-sources-
- jar/org/springframework/cloud/bus/event/EnvironmentChangeRemoteApplicationEvent.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/ServiceMatcher.java
- \* /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/event/EnvironmentChangeListener.java
- \*
- /spring-cloud-bus-4-2-0-sources-jar/org/springframework/cloud/bus/BusConstants.java

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# 1.362 spring-boot-actuator-autoconfigure

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## 1.370 spring-expression 6.2.3

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Found in path(s):

```
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/Weak.java
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/AutoreleasePool.java
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```
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/ReflectionSupport.java
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/RetainedWith.java
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/WeakOuter.java
*
```

```

/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/ObjectiveCName.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/Property.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/LoopTranslation.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/OnDealloc.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/RetainedLocalRef.java

```

# 1.375 spring-cloud-stream-binder-rabbit-core

## 4.2.0

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```

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```

* /spring-cloud-stream-binder-rabbit-core-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/properties/RabbitProducerProperties.java
* /spring-cloud-stream-binder-rabbit-core-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/properties/RabbitExtendedBindingProperties.java
*
/spring-cloud-stream-binder-rabbit-core-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/properties/RabbitBindingProperties.java
* /spring-cloud-stream-binder-rabbit-core-4-2-0-sources-
jar/org/springframework/cloud/stream/binder/rabbit/properties/RabbitConsumerProperties.java
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```

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```
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jar/org/springframework/cloud/stream/binder/rabbit/properties/RabbitBinderConfigurationProperties.java
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\* /spring-cloud-consul-core-4-2-0-sources-

jar/org/springframework/cloud/consul/ConsulHealthIndicatorProperties.java

\* /spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/ConsulEndpoint.java

\* /spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/model/SerfStatusEnum.java

\*

/spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/RetryProperties.java

\* /spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/ConditionalOnConsulEnabled.java

- \* /spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/ConsulHealthIndicator.java
- \* /spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/ConsulAutoConfiguration.java
- \* /spring-cloud-consul-core-4-2-0-sources-jar/org/springframework/cloud/consul/ConsulProperties.java

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* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogConfigurationException.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Log4JLogger.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogFactoryImpl.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java
*
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/SimpleLog.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk14Logger.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogSource.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/NoOpLog.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogKitLogger.java
* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/Log.java

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* /commons-logging-1-1-sources-9-jar/org/apache/commons/logging/package.html
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## 1.385 fun-io-spi 2.3.0

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* /fun-io-spi-2-3-0-sources-jar/global/namespace/fun/io/spi/ThreadGroups.java
* /fun-io-spi-2-3-0-sources-jar/global/namespace/fun/io/spi/Copy.java
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* /fun-io-spi-2-3-0-sources-jar/global/namespace/fun/io/spi/UncloseableOutputStream.java
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#### A

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## 1.391 once\_cell 1.20.2

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## 1.394 spin 0.9.8

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## 1.395 jodd-core 5.1.6

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libfreetype/src/psaux/pserror.h  
libfreetype/src/psaux/psfixed.h  
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wepoll - epoll for Windows

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| Gallium code   | src/gallium/       | MIT            |
|                |                    |                |
| Ext headers    | GL/gltext.h        | Khronos        |
|                | GL/gltext.h        | Khronos        |
|                | GL/wglext.h        | Khronos        |
|                | KHR/khrplatform.h  | Khronos        |

\*\*\*\*\*

----  
include/GL/gl.h :

Mesa 3-D  
graphics library

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```
include/GL/glext.h
include/GL/glxext.h
include/GL/wglxext.h :
```

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```
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```

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tree/README

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tree/openbsd-reallocarray.c

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# 1.400 openjdk-jre 21.0.9\_p10-r0

## 1.400.1 Available under license :

## xwd v1.0.7

### xwd utility

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## SipHash v1.0-68c8a7c

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Mesa 3-D  
graphics library

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include/GL/glxext.h  
include/GL/glxext.h

include/GL/wglxext.h :

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tree/README

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### xwd utility  
<pre>
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wepoll - epoll for Windows

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## SipHash v1.0-68c8a7c

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GL/gltext.h        Khronos  
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Mesa 3-D  
graphics library

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include/GL/gltext.h  
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original giflib code

Toshio Kuratomi <toshio[AT]tiki-lounge.com>  
uncompressed gif writing code  
former maintainer

Eric Raymond <esr[AT]snark.thyrsus.com>  
current as well as long time former maintainer of giflib code

There have been many other contributors; see the attributions in the version-control history to learn more.

tree/openbsd-reallocarray.c

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# 1.402 openjdk 21.0.9\_p10-r0

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## xwd v1.0.7

### xwd utility

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Mesa 3-D  
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include/GL/glxext.h  
include/GL/wglxext.h :

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## 1.408 kaptcha 2.3.3

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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## 1.410 ssl-client 1.37.0-r20

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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```
MIIH0zCCBbugAwIBAgIIXsO3pkN/pOAwdQYJKoZIhvcNAQEFBQAwwQjESMBAGA1UE
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-----END  
CERTIFICATE-----

-----BEGIN CERTIFICATE-----

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BczYKCFK83M0UYRWEPWgTywS4/oTmifQz/l5GnRfHXk5/Fv4cI7gkL35CX5VIPZ  
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-----END  
CERTIFICATE-----

-----BEGIN CERTIFICATE-----

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iN66zB+Afk0=

-----END  
CERTIFICATE-----

-----BEGIN CERTIFICATE-----

MIICDzCCAZWgAwIBAgIUbmq8WapTvp5Z6LSa6Q75m0c1towCgYIKoZIzj0EAwMw  
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BgNVBAMTEXZUcnVzIEVDQyBSb290IENBMB4XDTE4MDczMTA3MjY0NFoXDTQzMDCz  
MTA3MjY0NFowRzELMAkGA1UEBhMCQ04xHDAaBgNVBAoTE2lUcnVzQ2hpbmEgQ28u  
LEx0ZC4xGjAYBgNVBAMTEXZUcnVzIEVDQyBSb290IENBMHYwEAYHKoZIzj0CAQYF  
K4EEACIDYgAEZVBKrox5lkqqHAjDo6LN/llWQXf9JpRCux3NCNtzt188+cToL0  
v/hhJoVs1oVbcnDS/dtitN9Ti72xRFhiQgnH+n9bEOf+QP3A2MMrMudwpremiFud  
e4BdS49nTPEQ0IwQDAdBgNVHQ4EFgQUmDnNvtijPeyq+GtJK97fKHbH88wDwYD  
VR0TAQH/BAUwAwEB/zAOBgNVHQ8BAf8EBAMCAQYwCgYIKoZIzj0EAwMDAAAwZQIw  
V53dVvHH4+m4SVBrm2nDb+zDfSXkV5UTQJtS0zvzQBm8JsctBp61ezaf9SXUY2sA  
AjEA6dPGnlaaKsyh2j/IzivTWJwghfqrkYpwcBE4YGYLYgmRWAD5Tfs0aNoJrSEG  
GJTO

-----END  
CERTIFICATE-----

-----BEGIN CERTIFICATE-----

MIIFVjCCAz6gAwIBAgIUQ+NxE9izWRRdt86M/TX9b7wFjUUwDQYJKoZIhvcNAQEL  
BQAwQzELMAkGA1UEBhMCQ04xHDAaBgNVBAoTE2lUcnVzQ2hpbmEgQ28uLEx0ZC4x

FjAUBgNVBAMTDXZUcnVzIFJvb3QgQ0EwHhcNMTgwNzMxMDcyNDA1WhcNNDMwNzMxMDcyNDA1WjBDMQswCQYDVQQGEwJDTjEcmBoGA1UEChMTaVRydXNDaGluYSBDbY4sTHRkLjEwMBQGA1UEAxMNdlRydXMgUm9vdCBDQTCCAiIwDQYJKoZIhvcNAQEBBQADggIPADCCAgoCggIBAL1VfGHTuB0EYgWgrmy3cLRB6ksDXhA/kFocizuwZotsSKYcIrrVQJLuM7IjWcmOvFjai57QGflvWcaMY1q6n6MLsLOaXLorUBLpDLvPbmyAhykUAyyNJrIrZIO1aqwTLDpxn9wsYTwaP3BVm60AUn/PBLn+NvqcwBauYv6WTEN+VRS+GrPSbcKvdmaVayqwlHeFXgQPYh1jdfdr58tbmnDsPmcF8P4HCIDPKNsFqhQnL4Z98Cfe/+Z+M0jnCx5Y0ScrUw5XSmXX+6KAYPxMvDVTAWqXcoKv8R1w6Jz1717CbMdHflqUhSZNO7rrTOiwCcJlwp2dCZtOtZcFrPUGoPc2BX70kLJrxLT5ZOrpGgrIDajtJ8nU57O5q4likCc9Kuh8kO+8T/3iCiSn3mUkpF3qwHYw03dQ+A0Em5Q2AXPKBlim0zvc+gRGE1WKyURHuFE5Gi7oNOJ5y1lKcN+8pu8fA2dqWSslyPZUxlmPCdiKYZNpGvu/9ROutW04o5IWgAZCfEF2c6Rsffr6TlP9m8EQ5pV9T4FFL2/s1m0214zhKOQUqqzApVg+QxMaPnu1RcN+HFxtSXkKe5lXa/R7jwXC1pDxaWG6iSe4gUH3DRCEpHWOXSuTEGC2/KmSNGzm/MzqvOmwmVO9fSddmPmAsYiS8GVP1BkLFTltvA8Kc9XAgMBAAGjQjBAMB0GA1UdDgQWBRRUYnBj8XWEQ1iO0RYgscasGrz2iTAPBgNVHRMBAf8EBTADAQH/MA4GA1UdDwEB/wQEAwIBBjANBgkqhkiG9w0BAQsFAAOCAgEAKbqSSaet8PFww+SX8J+pJdVrnjT+5hpk9jprUrIQeBqfTNqK2uwcN1LgQkv7bHbKJAs5EhWd nxEt/Hlk3ODg9d3gV8mlsnZwUKT+twpw1aA08XXXtUm6EdGz2OyC/+sOxL9kLX1j bhd47F18iMjrjld22Vke+rxSH0Ws8HqA7Oxvdq6R2xC0BNyS36D25q5J08FsEhvM Kar5CKXiNXTksbhm7xqC5PD48acWabfbqWE8n/Uxy+QARsIvdLGx14HuqCaVvIiv TDUHKgLKeBRtRytAVunLKmChZwOgzoy8sHJnxDHO2zTlJQNgJXtxmOTAGytfDEL S8VZCAeHvsXDf+eW2eHcKJfWjwXj9ZtOyh1QRwVTsMo554WgicEFOwE30z9J4nfr I8iIzjs9OXYhRvHsXyO466JmdXTBQPfYaJqT4i2pLr0cox7IdMakLXogqzu4sEb9 b91fUIV1YvCXoHzXOP0l382gmxDpi7g4Xl7FtKYCNqEeXxzP4padKar9mK5S4fNB UvupLnKWnyfjqnN9+BojZns7q2WwMgFLFT49ok8MKzWixtlnEjUwzXYuFrOZnk1P Ti07NEPhmg4NpGaXutIcSkwsKouLgU9xGqndXHt7CMUADTdA43x7VF8vhV929ven sBxXVsFy6K2ir40zSbofitzmdHxghm+Hl3s=

-----END

CERTIFICATE-----

Found in path(s):

\* /ca-certificates-bundle-20250911-r0-tar-gz/etc/ssl/certs/ca-certificates.crt

# 1.412 alpine-release 3.21.5-r0

## 1.412.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=11
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
```

```

arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
        INSTALLDIRS=vendor \
        NO_PACKLIST=1 \
        NO_PERLLOCAL=1
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
    BSD-Resource-1.2911.tar.gz
"
# MIT License

```

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```
#!/sbin/openrc-run
```

```
command="/usr/libexec/xdg-permission-store"
supervisor=supervise-daemon
command_args="--replace $command_args"
error_logger="logger -t '${RC_SVCNAME}' -p daemon.error"
```

```
depend() {
    need dbus
}

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
0001-bsd-games-scores-dir.patch
"

options="!check" # no tests

build() {
    # some GNU autoconf options are ignored, but it works
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        --sysconfdir=/etc \
        --mandir=/usr/share/man \
        --scoredir=/usr/share/$pkgname
    make
}

package() {
    make DESTDIR="$pkgdir" install
    install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}
```

```

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6 0001-bsd-games-scores-dir.patch
"

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2"
"

builddir="$srcdir"/libart-lgpl-$pkgver

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"
Original Copyright (c) 1985 by Supoj Sutanthavibul
Parts Copyright (c) 1989-2012 by Brian V. Smith
Parts Copyright (c) 1991 by Paul King
Other Copyrights may be found in various files

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```

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The text rotation code in w\_rottext.c was written by Alan Richardson.

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Parts Copyright (c) 1994 by Anthony Dekker

The Kohonen neural network code for color optimization was written by Anthony Dekker.

Parts Copyright (c) 1995 by C. Blanc and C. Schlick

The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95

<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

/\* \$NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp \$ \*/

/\* \$OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp \$ \*/

/\* Modified by Void Linux. \*/

/\*

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\*

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```

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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y) \
    ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) || \
     (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
* This file defines data structures for different types of trees:
* splay trees and red-black trees.
*
* A splay tree is a self-organizing
data structure. Every operation
* on the tree causes a splay to happen. The splay moves the requested
* node to the root of the tree and partly rebalances it.
*
* This has the benefit that request locality causes faster lookups as
* the requested nodes move to the top of the tree. On the other hand,
* every lookup causes memory writes.
*
* The Balance Theorem bounds the total access time for m operations
* and n inserts on an initially empty tree as  $O((m + n) \lg n)$ . The
* amortized cost for a sequence of m accesses to a splay tree is  $O(\lg n)$ ;
*
* A red-black tree is a binary search tree with the node color as an
* extra attribute. It fulfills a set of conditions:
* - every search path from the root to a leaf consists of the
*   same number of black nodes,
* - each red node (except for the root) has a black parent,
* - each leaf node is black.
*
* Every operation on a red-black tree is bounded as  $O(\lg n)$ .
* The maximum height of a red-black tree is  $2 \lg (n+1)$ .

```



```

*/

#define SPLAY_HEAD(name, type) \
struct name { \
    struct type *sph_root; /* root of the tree */ \
}

#define SPLAY_INITIALIZER(root) \
{ NULL }

#define SPLAY_INIT(root) do { \
    (root)->sph_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type) \
struct { \
    struct type *spe_left; /* left element */ \
    struct type *spe_right; /* right element */ \
}

#define SPLAY_LEFT(elm, field) (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field) (elm)->field.spe_right
#define SPLAY_ROOT(head) (head)->sph_root
#define SPLAY_EMPTY(head) (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do { \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do { \
    SPLAY_RIGHT((head)->sph_root, \
    field) = SPLAY_LEFT(tmp, field); \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do { \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_LEFT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do { \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \

```

```

(head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do { \
    SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
    SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field); \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
    SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
    SPLAY_PROTOTYPE(name, type, field, cmp) \
void name##_SPLAY(struct name *, struct type *); \
void name##_SPLAY_MINMAX(struct name *, int); \
struct type *name##_SPLAY_INSERT(struct name *, struct type *); \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *); \
\
/* Finds the node with the same key as elm */ \
static __inline struct type * \
name##_SPLAY_FIND(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) \
        return(NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) \
        return (head->sph_root); \
    return (NULL); \
} \
\
static __inline _sys_tree_h_unused struct type * \
name##_SPLAY_NEXT(struct name *head, struct type *elm) \
{ \
    name##_SPLAY(head, elm); \
    if (SPLAY_RIGHT(elm, field) != NULL) { \
        elm = SPLAY_RIGHT(elm, field); \
        while (SPLAY_LEFT(elm, field) != NULL) { \
            elm = SPLAY_LEFT(elm, field); \
        } \
    } \
    else \
        elm = NULL; \
    return (elm); \
} \
\
static _sys_tree_h_unused __inline struct type * \
name##_SPLAY_MIN_MAX(struct name *head, int val) \

```

```

{
    \
    name##_SPLAY_MINMAX(head, val); \
    return (SPLAY_ROOT(head)); \
}

/* Main splay operation.
* Moves node close to the key of elm to top
*/

#define SPLAY_GENERATE(name, type, field, cmp) \
struct type * \
name##_SPLAY_INSERT(struct name *head, struct type *elm) \
{
    \
    if (SPLAY_EMPTY(head)) { \
        SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
    } else { \
        int __comp; \
        name##_SPLAY(head, elm); \
        __comp = (cmp)(elm, (head)->sph_root); \
        if(__comp < 0) { \
            SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
            SPLAY_RIGHT(elm, field) = (head)->sph_root; \
            SPLAY_LEFT((head)->sph_root, field) = NULL; \
        } else if (__comp > 0) { \
            SPLAY_RIGHT(elm, \
field) = SPLAY_RIGHT((head)->sph_root, field);\
            SPLAY_LEFT(elm, field) = (head)->sph_root; \
            SPLAY_RIGHT((head)->sph_root, field) = NULL; \
        } else \
            return ((head)->sph_root); \
    } \
    (head)->sph_root = (elm); \
    return (NULL); \
} \
\
struct type * \
name##_SPLAY_REMOVE(struct name *head, struct type *elm) \
{
    \
    struct type *__tmp; \
    if (SPLAY_EMPTY(head)) \
        return (NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) { \
        if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
            (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
        } else { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
            name##_SPLAY(head, elm); \
        }

```

```

    SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
} \
return (elm); \
} \
return (NULL); \
} \
\
void \
name##_SPLAY(struct
name *head, struct type *elm) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    int __comp; \
\
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
\
    while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if ((cmp)(elm, __tmp) < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field); \
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKLEFT(head, __right, field); \
        } else if (__comp > 0) { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if ((cmp)(elm, __tmp) > 0){ \
                SPLAY_ROTATE_LEFT(head, __tmp, field); \
                if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKRIGHT(head, __left, field); \
        } \
    } \
    SPLAY_ASSEMBLE(head,
    &__node, __left, __right, field); \
} \
\
/* Splay with either the minimum or the maximum element \
* Used to find minimum or maximum element in tree. \
*/ \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \

```

```

{
    \
    struct type __node, *__left, *__right, *__tmp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while (1) {
        \
        if (__comp < 0) {
            \
            __tmp = SPLAY_LEFT((head)->sph_root, field);\
            if (__tmp == NULL)
                break; \
            if (__comp < 0){
                \
                SPLAY_ROTATE_RIGHT(head, __tmp, field);\
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKLEFT(head, __right, field); \
        } else if (__comp > 0) {
            \
            __tmp = SPLAY_RIGHT((head)->sph_root, field);\
            if (__tmp == NULL)
                break; \
            if (__comp > 0) {
                \
                SPLAY_ROTATE_LEFT(head, __tmp, field);\
                if (SPLAY_RIGHT((head)->sph_root,
field) == NULL)\
                    break; \
            } \
            SPLAY_LINKRIGHT(head, __left, field); \
        } \
    } \
    SPLAY_ASSEMBLE(head, &__node, __left, __right, field); \
}

```

```

#define SPLAY_NEGINF -1

```

```

#define SPLAY_INF 1

```

```

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)

```

```

#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)

```

```

#define SPLAY_FIND(name, x, y) name##_SPLAY_FIND(x, y)

```

```

#define SPLAY_NEXT(name, x, y) name##_SPLAY_NEXT(x, y)

```

```

#define SPLAY_MIN(name, x) (SPLAY_EMPTY(x) ? NULL \

```

```

    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))

```

```

#define SPLAY_MAX(name, x) (SPLAY_EMPTY(x) ? NULL \

```

```

    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

```

```

#define SPLAY_FOREACH(x, name, head) \

```

```

    for ((x) = SPLAY_MIN(name, head); \

```

```

        (x) != NULL; \

```

```

(x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type) \
struct name { \
    struct type *rbh_root; /* root of the tree */ \
}

#define RB_INITIALIZER(root) \
{ \
    NULL \
}

#define RB_INIT(root) do { \
    (root)->rbh_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED 1
#define RB_ENTRY(type) \
struct { \
    struct type *rbe_left; /* left element */ \
    struct type *rbe_right; /* right element */ \
    struct type *rbe_parent; /* parent element */ \
    int rbe_color; /* node color */ \
}

#define RB_LEFT(elm, field) (elm)->field.rbe_left
#define RB_RIGHT(elm, field) (elm)->field.rbe_right
#define RB_PARENT(elm, field) (elm)->field.rbe_parent
#define RB_COLOR(elm, field) (elm)->field.rbe_color
#define RB_ROOT(head) (head)->rbh_root
#define RB_EMPTY(head) (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do { \
    RB_PARENT(elm, field) = parent; \
    RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL; \
    RB_COLOR(elm, field) = RB_RED; \
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do { \
    RB_COLOR(black, field) = RB_BLACK; \
    RB_COLOR(red, field) \
    = RB_RED; \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif
#endif

```

```

#define RB_ROTATE_LEFT(head, elm, tmp, field) do { \
    (tmp) = RB_RIGHT(elm, field); \
    if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
        RB_PARENT(RB_LEFT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_LEFT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do { \
    (tmp) = RB_LEFT(elm, field); \
    if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field)) \
        != NULL) { \
        RB_PARENT(RB_RIGHT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_RIGHT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr) \

```

```

attr void name##_RB_INSERT_COLOR(struct name *, struct
type *); \
attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *);\
attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
attr struct type *name##_RB_INSERT(struct name *, struct type *); \
attr struct type *name##_RB_FIND(struct name *, struct type *); \
attr struct type *name##_RB_NFIND(struct name *, struct type *); \
attr struct type *name##_RB_NEXT(struct type *); \
attr struct type *name##_RB_PREV(struct type *); \
attr struct type *name##_RB_MINMAX(struct name *, int); \
\

/* Main rb operation.
* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp) \
RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp) \
RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr) \
attr void \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm) \
{ \
struct type \
*parent, *gparent, *tmp; \
while ((parent = RB_PARENT(elm, field)) != NULL && \
RB_COLOR(parent, field) == RB_RED) { \
gparent = RB_PARENT(parent, field); \
if (parent == RB_LEFT(gparent, field)) { \
tmp = RB_RIGHT(gparent, field); \
if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
RB_COLOR(tmp, field) = RB_BLACK; \
RB_SET_BLACKRED(parent, gparent, field);\
elm = gparent; \
continue; \
} \
if (RB_RIGHT(parent, field) == elm) { \
RB_ROTATE_LEFT(head, parent, tmp, field);\
tmp = parent; \
parent = elm; \
elm = tmp; \
} \
RB_SET_BLACKRED(parent, gparent, field); \
RB_ROTATE_RIGHT(head, gparent, tmp, field); \
} else { \
tmp = RB_LEFT(gparent, field); \
if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
RB_COLOR(tmp, field) = RB_BLACK; \

```



```

RB_SET_BLACKRED(parent, gparent, field);\
elm = gparent; \
continue; \
} \
if (RB_LEFT(parent, field) == elm)
{ \
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    tmp = parent; \
    parent = elm; \
    elm = tmp; \
} \
RB_SET_BLACKRED(parent, gparent, field); \
RB_ROTATE_LEFT(head, gparent, tmp, field);\
} \
} \
RB_COLOR(head->rbh_root, field) = RB_BLACK; \
} \
\
attr void \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{ \
    struct type *tmp; \
    while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
        elm != RB_ROOT(head)) { \
        if (RB_LEFT(parent, field) == elm) { \
            tmp = RB_RIGHT(parent, field); \
            if (RB_COLOR(tmp, field) == RB_RED) { \
                RB_SET_BLACKRED(tmp, parent, field); \
                RB_ROTATE_LEFT(head, parent, tmp, field);\
                tmp = RB_RIGHT(parent, field); \
            } \
            if ((RB_LEFT(tmp, field) == NULL || \
                RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) && \
                (RB_RIGHT(tmp, field) == NULL || \
                RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
                RB_COLOR(tmp, field) = RB_RED; \
                elm = parent; \
                parent = RB_PARENT(elm, field); \
            } else { \
                if (RB_RIGHT(tmp, field) == NULL || \
                    RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
                    struct type *oleft; \
                    if ((oleft = RB_LEFT(tmp, field)) \
                        != NULL) \
                        RB_COLOR(oleft, field) = RB_BLACK;\
                    RB_COLOR(tmp, field) = RB_RED; \
                    RB_ROTATE_RIGHT(head, tmp, oleft, field);\

```

```

    tmp = RB_RIGHT(parent, field); \
} \
RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
RB_COLOR(parent, field) = RB_BLACK; \
if (RB_RIGHT(tmp, field)) \
    RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
RB_ROTATE_LEFT(head, parent, tmp, field);\
elm = RB_ROOT(head); \
break; \
} \
} else { \
    tmp = RB_LEFT(parent, field); \
    if (RB_COLOR(tmp, field) == RB_RED) { \
        RB_SET_BLACKRED(tmp, parent, field); \
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        tmp
= RB_LEFT(parent, field); \
    } \
    if ((RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
        (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
        RB_COLOR(tmp, field) = RB_RED; \
        elm = parent; \
        parent = RB_PARENT(elm, field); \
    } else { \
        if (RB_LEFT(tmp, field) == NULL || \
            RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
            struct type *oright; \
            if ((oright = RB_RIGHT(tmp, field)) \
                != NULL) \
                RB_COLOR(oright, field) = RB_BLACK;\
            RB_COLOR(tmp, field) = RB_RED; \
            RB_ROTATE_LEFT(head, tmp, oright, field);\
            tmp = RB_LEFT(parent, field); \
        } \
        RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
        RB_COLOR(parent, field) = RB_BLACK; \
        if (RB_LEFT(tmp, field)) \
            RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        elm = RB_ROOT(head); \
        break; \
    } \
} \
} \
} \
if

```

```

(elm)    \
    RB_COLOR(elm, field) = RB_BLACK; \
}      \
    \
attr struct type *    \
name##_RB_REMOVE(struct name *head, struct type *elm) \
{      \
    struct type *child, *parent, *old = elm; \
    int color;    \
    if (RB_LEFT(elm, field) == NULL) \
        child = RB_RIGHT(elm, field); \
    else if (RB_RIGHT(elm, field) == NULL) \
        child = RB_LEFT(elm, field); \
    else {      \
        struct type *left; \
        elm = RB_RIGHT(elm, field); \
        while ((left = RB_LEFT(elm, field)) != NULL) \
            elm = left; \
        child = RB_RIGHT(elm, field); \
        parent = RB_PARENT(elm, field); \
        color = RB_COLOR(elm, field); \
        if (child) \
            RB_PARENT(child, field) = parent; \
        if (parent) { \
            if (RB_LEFT(parent, field) == elm) \
                RB_LEFT(parent, field) = child; \
            else \
                RB_RIGHT(parent, field) = child; \
            RB_AUGMENT(parent); \
        } else \
            RB_ROOT(head)
= child; \
    if (RB_PARENT(elm, field) == old) \
        parent = elm; \
    (elm)->field = (old)->field; \
    if (RB_PARENT(old, field)) { \
        if (RB_LEFT(RB_PARENT(old, field), field) == old)\
            RB_LEFT(RB_PARENT(old, field), field) = elm;\
        else \
            RB_RIGHT(RB_PARENT(old, field), field) = elm;\
        RB_AUGMENT(RB_PARENT(old, field)); \
    } else \
        RB_ROOT(head) = elm; \
    RB_PARENT(RB_LEFT(old, field), field) = elm; \
    if (RB_RIGHT(old, field)) \
        RB_PARENT(RB_RIGHT(old, field), field) = elm; \
    if (parent) { \
        left = parent; \

```

```

do { \
    RB_AUGMENT(left); \
} while ((left = RB_PARENT(left, field)) != NULL); \
} \
goto color; \
} \
parent = RB_PARENT(elm, field); \
color = RB_COLOR(elm, field); \
if (child) \
    RB_PARENT(child, field) = parent; \
if (parent) { \
    if (RB_LEFT(parent, field) == elm) \
        RB_LEFT(parent, field) = child; \
    else \
        RB_RIGHT(parent,
field) = child; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head) = child; \
color: \
if (color == RB_BLACK) \
    name##_RB_REMOVE_COLOR(head, parent, child); \
return (old); \
} \
\
/* Inserts a node into the RB tree */ \
attr struct type * \
name##_RB_INSERT(struct name *head, struct type *elm) \
{ \
    struct type *tmp; \
    struct type *parent = NULL; \
    int comp = 0; \
    tmp = RB_ROOT(head); \
    while (tmp) { \
        parent = tmp; \
        comp = (cmp)(elm, parent); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    RB_SET(elm, parent, field); \
    if (parent != NULL) { \
        if (comp < 0) \
            RB_LEFT(parent, field) = elm; \
        else \

```

```

    RB_RIGHT(parent, field) = elm; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head) = elm; \
name##_RB_INSERT_COLOR(head,
elm); \
return (NULL); \
} \
\
/* Finds the node with the same key as elm */ \
attr struct type * \
name##_RB_FIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (NULL); \
} \
\
/* Finds the first node greater than or equal to the search key */ \
attr struct type * \
name##_RB_NFIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *res = NULL; \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) { \
            res = tmp; \
            tmp = RB_LEFT(tmp, field); \
        } \
        else if (comp > 0) \
            tmp = \
RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (res); \
} \

```

```

    \
/* ARGSUSED */    \
attr struct type *    \
name##_RB_NEXT(struct type *elm)    \
{    \
    if (RB_RIGHT(elm, field)) {    \
        elm = RB_RIGHT(elm, field);    \
        while (RB_LEFT(elm, field))    \
            elm = RB_LEFT(elm, field);    \
    } else {    \
        if (RB_PARENT(elm, field) &&    \
            (elm == RB_LEFT(RB_PARENT(elm, field), field)))    \
            elm = RB_PARENT(elm, field);    \
        else {    \
            while (RB_PARENT(elm, field) &&    \
                (elm == RB_RIGHT(RB_PARENT(elm, field), field)))    \
                elm = RB_PARENT(elm, field);    \
            elm = RB_PARENT(elm, field);    \
        }    \
    }    \
    return (elm);    \
}    \
    \
/* ARGSUSED */    \
attr struct type *    \
name##_RB_PREV(struct type *elm)    \
{    \
    if (RB_LEFT(elm, field)) {    \
        elm = RB_LEFT(elm, field);    \
        while (RB_RIGHT(elm, field))    \
            elm = RB_RIGHT(elm, field);    \
    }    \
    else {    \
        if (RB_PARENT(elm, field) &&    \
            (elm == RB_RIGHT(RB_PARENT(elm, field), field)))    \
            elm = RB_PARENT(elm, field);    \
        else {    \
            while (RB_PARENT(elm, field) &&    \
                (elm == RB_LEFT(RB_PARENT(elm, field), field)))    \
                elm = RB_PARENT(elm, field);    \
            elm = RB_PARENT(elm, field);    \
        }    \
    }    \
    return (elm);    \
}    \
    \
attr struct type *    \
name##_RB_MINMAX(struct name *head, int val)    \

```

```

{
    \
    struct type *tmp = RB_ROOT(head); \
    struct type *parent = NULL; \
    while (tmp) {
        \
        parent = tmp; \
        if (val < 0) \
            tmp = RB_LEFT(tmp, field); \
        else \
            tmp = RB_RIGHT(tmp, field); \
    } \
    return (parent); \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x) name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x) name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head) \
    for ((x) = RB_MIN(name, head); \
        (x) != NULL; \
        (x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y) \
    for ((x) = (y); \
        ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
        (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y) \
    for ((x) = RB_MIN(name, head); \
        ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
        (x) = (y))

#define RB_FOREACH_REVERSE(x, name, head) \
    for ((x) = RB_MAX(name, head); \
        (x) != NULL; \
        (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y) \
    for ((x) = (y); \

```

```

((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
head, y) \
for ((x) = RB_MAX(name, head); \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#endif /* _SYS_TREE_H_ */
(The MIT License)

```

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```

# Contributor: Dhruvin Gandhi <contact@dhruvin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"

```



```

builddir="$srcdir/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

sha512sums="
cc7cd6b5bd8ea4c99b66f074871ffd7cc78b3e8b1b0d3afd9b95efdb7147c8293db2fac977d684fc34d3d60bd79066a06
dc2bff0a38b130d9d83c63538502db1
    license_expression-30.4.0.tar.gz
"

# Contributor: Wen Heping <wenhepingalpine@sohu.com>
# Maintainer: Wen Heping <wenhepingalpine@sohu.com>
pkgname=perl-software-license
pkgver=0.104007
pkgrel=0
# _pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=Software-License
pkgdesc="packages that provide templated software licenses"
url="https://metacpan.org/release/Software-License/"
arch="noarch"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
depends="perl perl-data-section perl-text-template"
checkdepends="perl-try-tiny"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/L/LE/LEONT/Software-License-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
        INSTALLDIRS=vendor \
        NO_PACKLIST=1 \
        NO_PERLLOCAL=1
    make

```

```

}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="
12d75e9583b3013d9b4a282467f1ac80ab6b7f3251926d66591d01404489b528f22adc396dfd4528a0f0ca650f0eed6d
9c959e69eace2169c6ed1cffe5277e4
    Software-License-0.104007.tar.gz
"
(The MIT License)

```

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# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>

# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>

pkgname=spdx-licenses

pkgver=3.27.0

pkgrel=0

pkgdesc="Various data formats for the SPDX License List"

url="https://spdx.org/"

arch="noarch"

options="!check" # no test suite

```

license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdft rdfturtle rdFXML template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname=$pkgver-r$pkgrel"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt;
    do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="
16d59c81e331b54b52639826f83408d98144cd4a70eacc3e8ce35dc3b13992e4794cf7515eb9db200efd390a0c0e35ae9
d4706f8e0ca6a8d236189e88870720c license-list-data-3.27.0.tar.gz
"

# Automatically generated by apkgbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgrel is used by apkgbuild-cpan to find modules at MetaCpan
_pkgrel=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"

```

```

arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
        INSTALLDIRS=vendor \
        NO_PACKLIST=1 \
        NO_PERLLOCAL=1
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
    BSD-Resource-1.2911.tar.gz
"

maintainer="Achill Gilgenast <achill@achill.org>"
pkgname=cargo-license
pkgver=0.7.0
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

```

```

build() {
  cargo auditable build --release --frozen
}

check() {
  cargo test --frozen
}

package() {
  install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
9b3f0ead35515e85ef4074ebdbdbe5b9ec8bcaec244fabe414e2ed60f90366e8b1692d8bf7ffe4c07d778e60d94bab86bc
0c8be9823232e9c360a38bc65e9c5a cargo-license-0.7.0.tar.gz
"
MIT License

```

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[vintagedreamworks@hotmail.com](mailto:vintagedreamworks@hotmail.com)

<http://www.geocities.com/SiliconValley/Campus/8645/index.html>

<http://members.nbc.com/silicon39/>

<http://www.mp3.com/silicon39>

<https://analoguesque.x10host.com/>

# Contributor: Carlo Landmeter <[clandmeter@alpinelinux.org](mailto:clandmeter@alpinelinux.org)>

# Maintainer: Kevin Daudt <[kdaudt@alpinelinux.org](mailto:kdaudt@alpinelinux.org)>

pkgname=spdx-licenses

pkgver=3.24.0

pkgrel=0

pkgdesc="Various data formats for the SPDX License List"

url="https://spdx.org/"

arch="noarch"

options="!check" # no test suite

license="CC-BY-3.0"

source="license-list-data-\$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v\$pkgver.tar.gz"

builddir="\$srcdir/license-list-data-\$pkgver"

subpackages="\$pkgname-list"

\_types="html json rdfa rdft rdfturtle rdfxml template text"

for type in \$\_types; do

subpackages="\$subpackages \$pkgname-\$type:\_subpkg"

done

package() {

mkdir -p "\$pkgdir"

}

\_subpkg() {

local type=\${subpkgname/\$pkgname-/}

pkgdesc="\$pkgdesc (\$type)"

install\_if="\$pkgname=\$pkgver-r\$pkgrel"

mkdir -p "\$subpkgdir"/usr/share/spdx

cp -r "\$builddir"/\$type "\$subpkgdir"/usr/share/spdx/

}

list() {

pkgdesc="\$pkgdesc (licence list)"

mkdir -p "\$subpkgdir"/usr/share/spdx

local i; for i in "\$builddir"/text/\*.txt;

```
do
local license=${i##*/}
echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}
```

```
sha512sums="
6eb81424e1b3173dbd8e17859b2e15dfe1c2af8f4da59b7dad0729c038a4cbdba95c34c2c546285fcdbbd41562e39575e
6a6ebb9463b70121e0a12b99d1307e7  license-list-data-3.24.0.tar.gz
"
```

mini\_sendmail - accept email on behalf of real sendmail

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```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
cdefs.h
queue.h
```

```

tree.h
"

builddir="$srcdir"
options="!check" # just headers

package() {
    mkdir -p "$pkgdir"
    install -Dm644 -t "$pkgdir"/usr/include/sys \
        cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"

/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

/*
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```



```

*
* @(#)queue.h 8.5 (Berkeley) 8/20/94
*/

#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_

/*
 * This file defines five types of data structures: singly-linked lists,
 * lists, simple queues, tail queues, and circular queues.
 *
 * A singly-linked list is headed by a single forward pointer. The
 * elements are singly linked for minimum space and
 * pointer manipulation
 * overhead at the expense of O(n) removal for arbitrary elements. New
 * elements can be added to the list after an existing element or at the
 * head of the list. Elements being removed from the head of the list
 * should use the explicit macro for this purpose for optimum
 * efficiency. A singly-linked list may only be traversed in the forward
 * direction. Singly-linked lists are ideal for applications with large
 * datasets and few or no removals or for implementing a LIFO queue.
 *
 * A list is headed by a single forward pointer (or an array of forward
 * pointers for a hash table header). The elements are doubly linked
 * so that an arbitrary element can be removed without a need to
 * traverse the list. New elements can be added to the list before
 * or after an existing element or at the head of the list. A list
 * may only be traversed in the forward direction.
 *
 * A simple queue is headed by a pair of pointers, one the head of the
 * list and the
 * other to the tail of the list. The elements are singly
 * linked to save space, so elements can only be removed from the
 * head of the list. New elements can be added to the list after
 * an existing element, at the head of the list, or at the end of the
 * list. A simple queue may only be traversed in the forward direction.
 *
 * A tail queue is headed by a pair of pointers, one to the head of the
 * list and the other to the tail of the list. The elements are doubly
 * linked so that an arbitrary element can be removed without a need to
 * traverse the list. New elements can be added to the list before or
 * after an existing element, at the head of the list, or at the end of
 * the list. A tail queue may be traversed in either direction.
 *
 * A circle queue is headed by a pair of pointers, one to the head of the
 * list and the other to the tail of the list. The elements are doubly
 * linked so that an arbitrary element can be removed without a need to
 * traverse the list. New elements

```

```

can be added to the list before or after
* an existing element, at the head of the list, or at the end of the list.
* A circle queue may be traversed in either direction, but has a more
* complex end of list detection.
*
* For details on the use of these macros, see the queue(3) manual page.
*/

```

```

/*
* Include the definition of NULL only on NetBSD because sys/null.h
* is not available elsewhere. This conditional makes the header
* portable and it can simply be dropped verbatim into any system.
* The caveat is that on other systems some other header
* must provide NULL before the macros can be used.
*/
#ifdef __NetBSD__
#include <sys/null.h>
#endif

```

```

#if defined(QEUEDEBUG)
# if defined(_KERNEL)
#  define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
#  include <err.h>
#  define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

```

```

/*
* Singly-linked List definitions.
*/
#define SLIST_HEAD(name, type) \
struct name { \
    struct type *slh_first; /* first \
    element */ \
}

#define SLIST_HEAD_INITIALIZER(head) \
{ NULL }

#define SLIST_ENTRY(type) \
struct { \
    struct type *sle_next; /* next element */ \
}

/*
* Singly-linked List access methods.
*/

```

```

#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head) NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field) \
for((var) = (head)->slh_first; \
    (var) != SLIST_END(head); \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = SLIST_FIRST((head)); \
    (var) != SLIST_END(head) && \
    ((tvar) = SLIST_NEXT((var), field), 1); \
    (var) = (tvar))

/*
 * Singly-linked List functions.
 */
#define SLIST_INIT(head) do { \
    (head)->slh_first = SLIST_END(head); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do { \
    (elm)->field.sle_next = (slistelm)->field.sle_next; \
    (slistelm)->field.sle_next \
    = (elm); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do { \
    (elm)->field.sle_next = (head)->slh_first; \
    (head)->slh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_AFTER(slistelm, field) do { \
    (slistelm)->field.sle_next = \
        SLIST_NEXT(SLIST_NEXT((slistelm), field), field); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do { \
    (head)->slh_first = (head)->slh_first->field.sle_next; \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do { \
    if ((head)->slh_first == (elm)) { \
        SLIST_REMOVE_HEAD((head), field); \
    } \
    else { \

```

```

struct type *curelm = (head)->slh_first; \
while(curelm->field.sle_next != (elm)) \
    curelm = curelm->field.sle_next; \
curelm->field.sle_next = \
    curelm->field.sle_next->field.sle_next; \
} \
} while (/*CONSTCOND*/0)

/*
 * List definitions.
 */
#define LIST_HEAD(name, type) \
struct name { \
    struct type *lh_first; /* first element */ \
}

#define LIST_HEAD_INITIALIZER(head) \
{ NULL }

#define LIST_ENTRY(type) \
struct { \
    struct type *le_next; /* next element */ \
    struct type **le_prev; /* address of previous next element */ \
}

/*
 * List access methods.
 */
#define LIST_FIRST(head) ((head)->lh_first)
#define LIST_END(head) NULL
#define LIST_EMPTY(head) ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field) ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field) \
for ((var) = ((head)->lh_first); \
    (var) != LIST_END(head); \
    (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = LIST_FIRST((head)); \
    (var) != LIST_END(head) && \
    ((tvar) = LIST_NEXT((var), field), 1); \
    (var) = (tvar))

#define LIST_MOVE(head1, head2) do { \
    LIST_INIT((head2)); \
    if (!LIST_EMPTY((head1)))

```

```

{    \
(head2)->lh_first = (head1)->lh_first; \
LIST_INIT((head1)); \
}    \
} while (/*CONSTCOND*/0)

/*
 * List functions.
 */
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field) \
if ((head)->lh_first && \
    (head)->lh_first->field.le_prev != &(head)->lh_first) \
    QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field) \
if ((elm)->field.le_next && \
    (elm)->field.le_next->field.le_prev != \
    &(elm)->field.le_next) \
    QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.le_prev != (elm)) \
    QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field) \
(elm)->field.le_next = (void *)1L; \
(elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm,
    field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do { \
    (head)->lh_first = LIST_END(head); \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    if (((elm)->field.le_next = (listelm)->field.le_next) != \
        LIST_END(head)) \
        (listelm)->field.le_next->field.le_prev = \
            &(elm)->field.le_next; \
    (listelm)->field.le_next = (elm); \
    (elm)->field.le_prev = &(listelm)->field.le_next; \
} while (/*CONSTCOND*/0)

```

```

#define LIST_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    (elm)->field.le_prev = (listelm)->field.le_prev; \
    (elm)->field.le_next = (listelm); \
    *(listelm)->field.le_prev = (elm); \
    (listelm)->field.le_prev = &(elm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.le_next \
    = (head)->lh_first) != LIST_END(head))\
    (head)->lh_first->field.le_prev = &(elm)->field.le_next;\
    (head)->lh_first = (elm); \
    (elm)->field.le_prev = &(head)->lh_first; \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do { \
    QUEUEDEBUG_LIST_OP((elm), field) \
    if ((elm)->field.le_next != NULL) \
    (elm)->field.le_next->field.le_prev = \
    (elm)->field.le_prev; \
    *(elm)->field.le_prev = (elm)->field.le_next; \
    QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do { \
    if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
    (elm2)->field.le_next->field.le_prev = \
    &(elm2)->field.le_next; \
    (elm2)->field.le_prev = (elm)->field.le_prev; \
    *(elm2)->field.le_prev = (elm2); \
    QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

/*
 * Simple queue definitions.
 */
#define SIMPLEQ_HEAD(name, type) \
struct name { \
    struct \
    type *sqh_first; /* first element */ \
    struct type **sqh_last; /* addr of last next element */ \
}

#define SIMPLEQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).sqh_first }

```

```

#define SIMPLEQ_ENTRY(type)  \
struct {  \
    struct type *sqe_next; /* next element */  \
}

/*
 * Simple queue access methods.
 */

#define SIMPLEQ_FIRST(head) ((head)->sqh_first)
#define SIMPLEQ_END(head) NULL
#define SIMPLEQ_EMPTY(head) ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head);  \
     (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head) &&  \
     ((next = ((var)->field.sqe_next)), 1);  \
     (var) = (next))

/*
 * Simple queue functions.
 */

#define SIMPLEQ_INIT(head) do {  \
    (head)->sqh_first = NULL;  \
    (head)->sqh_last  \
    = &(head)->sqh_first;  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {  \
    if (((elm)->field.sqe_next = (head)->sqh_first) == NULL)  \
        (head)->sqh_last = &(elm)->field.sqe_next;  \
    (head)->sqh_first = (elm);  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do {  \
    (elm)->field.sqe_next = NULL;  \
    *(head)->sqh_last = (elm);  \
    (head)->sqh_last = &(elm)->field.sqe_next;  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
    if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL)  \
        (head)->sqh_last = &(elm)->field.sqe_next;  \
} while (/*CONSTCOND*/0)

```

```

(listelm)->field.sqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do { \
if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
(head)->sqh_last = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do { \
if \
(((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
== NULL) \
(head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do { \
if ((head)->sqh_first == (elm)) { \
SIMPLEQ_REMOVE_HEAD((head), field); \
} else { \
struct type *curelm = (head)->sqh_first; \
while (curelm->field.sqe_next != (elm)) \
curelm = curelm->field.sqe_next; \
if ((curelm->field.sqe_next = \
curelm->field.sqe_next->field.sqe_next) == NULL) \
(head)->sqh_last = &(curelm)->field.sqe_next; \
} \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do { \
if (!SIMPLEQ_EMPTY((head2))) { \
*(head1)->sqh_last = (head2)->sqh_first; \
(head1)->sqh_last = (head2)->sqh_last; \
SIMPLEQ_INIT((head2)); \
} \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field) \
(SIMPLEQ_EMPTY((head)) ? \
NULL : \
((struct type \
*)(void *) \
((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
 * Tail queue definitions.
 */

#define _TAILQ_HEAD(name, type, qual) \
struct name { \

```



```

qual type *tqh_first; /* first element */ \
qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head) \
{ TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual) \
struct { \
    qual type *tqe_next; /* next element */ \
    qual type *qual *tqe_prev; /* address of previous next element */ \
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
 * Tail queue access methods.
 */
#define TAILQ_FIRST(head) ((head)->tqh_first)
#define TAILQ_END(head) (NULL)
#define TAILQ_NEXT(elm, field) ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
    (((struct headname *) (void *) ((head)->tqh_last))->tqh_last)
#define TAILQ_PREV(elm, headname, field) \
    (((struct headname *) (void *) ((elm)->field.tqe_prev))->tqh_last)
#define TAILQ_EMPTY(head) (TAILQ_FIRST(head) == TAILQ_END(head))

#define TAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head); \
    (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head) && \
    ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field) \
for ((var) = TAILQ_LAST((head), headname); \
    (var) != TAILQ_END(head); \
    (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
for ((var) = TAILQ_LAST((head), headname); \
    (var) != TAILQ_END(head) && \
    ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

```

```

/*
* Tail queue functions.
*/

#if defined(QEUEDEDEBUG)
#define QEUEDEDEBUG_TAILQ_INSERT_HEAD(head,
elm, field) \
if ((head)->tqh_first && \
    (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
    QEUEDEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QEUEDEDEBUG_TAILQ_INSERT_TAIL(head, elm, field) \
if (*(head)->tqh_last != NULL) \
    QEUEDEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QEUEDEDEBUG_TAILQ_OP(elm, field) \
if ((elm)->field.tqe_next && \
    (elm)->field.tqe_next->field.tqe_prev != \
    &(elm)->field.tqe_next) \
    QEUEDEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.tqe_prev != (elm)) \
    QEUEDEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QEUEDEDEBUG_TAILQ_PREREMOVE(head, elm, field) \
if ((elm)->field.tqe_next == NULL && \
    (head)->tqh_last != &(elm)->field.tqe_next) \
    QEUEDEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d", \
        (head), (elm), __FILE__, \
        __LINE__);
#define QEUEDEDEBUG_TAILQ_POSTREMOVE(elm, field) \
(elm)->field.tqe_next = (void *)1L; \
(elm)->field.tqe_prev = (void *)1L;
#else
#define QEUEDEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QEUEDEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QEUEDEDEBUG_TAILQ_OP(elm, field)
#define QEUEDEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QEUEDEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do { \
    (head)->tqh_first = TAILQ_END(head); \
    (head)->tqh_last = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do { \
    QEUEDEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field) \

```

```

if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head))\
    (head)->tqh_first->field.tqe_prev = \
        &(elm)->field.tqe_next; \
else \
    (head)->tqh_last = &(elm)->field.tqe_next; \
    (head)->tqh_first = (elm); \
    (elm)->field.tqe_prev = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_INSERT_TAIL(head,
elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_INSERT_TAIL((head), (elm), field) \
    (elm)->field.tqe_next = TAILQ_END(head); \
    (elm)->field.tqe_prev = (head)->tqh_last; \
    *(head)->tqh_last = (elm); \
    (head)->tqh_last = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_OP((listelm), field) \
    if (((elm)->field.tqe_next = (listelm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
        (listelm)->field.tqe_next = (elm); \
        (elm)->field.tqe_prev = &(listelm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_OP((listelm), field) \
    (elm)->field.tqe_prev = (listelm)->field.tqe_prev; \
    (elm)->field.tqe_next = (listelm); \
    *(listelm)->field.tqe_prev = (elm); \
    (listelm)->field.tqe_prev \
        = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_REMOVE(head, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_PREREMOVE((head), (elm), field) \
    QUEUEDEBDEBUG_TAILQ_OP((elm), field) \
    if (((elm)->field.tqe_next) != TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            (elm)->field.tqe_prev; \
    else \
        (head)->tqh_last = (elm)->field.tqe_prev; \
    *(elm)->field.tqe_prev = (elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field); \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_REPLACE(head, elm, elm2, field) do { \
    if (((elm2)->field.tqe_next = (elm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm2)->field.tqe_next->field.tqe_prev = \
            &(elm2)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm2)->field.tqe_next; \
        (elm2)->field.tqe_prev = (elm)->field.tqe_prev; \
        *(elm2)->field.tqe_prev = (elm2); \
    QUEUEDEBUG_TAILQ_POSTREMOVE((elm), \
        field); \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_CONCAT(head1, head2, field) do { \
    if (!TAILQ_EMPTY(head2)) { \
        *(head1)->tqh_last = (head2)->tqh_first; \
        (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
        (head1)->tqh_last = (head2)->tqh_last; \
        TAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

```

/\*

\* Singly-linked Tail queue declarations.

\*/

```

#define STAILQ_HEAD(name, type) \
struct name { \
    struct type *stqh_first; /* first element */ \
    struct type **stqh_last; /* addr of last next element */ \
}

```

```

#define STAILQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).stqh_first }

```

```

#define STAILQ_ENTRY(type) \
struct { \
    struct type *stqe_next; /* next element */ \
}

```

/\*

\* Singly-linked Tail queue access methods.

\*/

```

#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)

```

```

#define STAILQ_EMPTY(head) (STAILQ_FIRST(head)
== STAILQ_END(head))

/*
 * Singly-linked Tail queue functions.
 */
#define STAILQ_INIT(head) do { \
    (head)->stqh_first = NULL; \
    (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (head)->stqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.stqe_next = NULL; \
    *(head)->stqh_last = (elm); \
    (head)->stqh_last = &(elm)->field.stqe_next; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (listelm)->field.stqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do { \
    if (((head)->stqh_first = (head)->stqh_first->field.stqe_next) \
        == NULL) \
        (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE(head, elm, type, field) do { \
    if ((head)->stqh_first == (elm)) { \
        STAILQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->stqh_first; \
        while (curelm->field.stqe_next != (elm)) \
            curelm = curelm->field.stqe_next; \
        if ((curelm->field.stqe_next = \
            curelm->field.stqe_next->field.stqe_next) == NULL) \
            (head)->stqh_last = &(curelm)->field.stqe_next; \
    } \
} while (/*CONSTCOND*/0)

```

```

#define STAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->stqh_first); \
     (var); \
     (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = STAILQ_FIRST((head)); \
     (var) && ((tvar) = STAILQ_NEXT((var), field), 1); \
     (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do { \
if (!STAILQ_EMPTY((head2))) { \
    *(head1)->stqh_last \
    = (head2)->stqh_first; \
    (head1)->stqh_last = (head2)->stqh_last; \
    STAILQ_INIT((head2)); \
} \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field) \
(STAILQ_EMPTY((head)) ? \
    NULL : \
    ((struct type *) (void *) \
    ((char *) ((head)->stqh_last) - offsetof(struct type, field))))

#ifdef _KERNEL
/*
 * Circular queue definitions. Do not use. We still keep the macros
 * for compatibility but because of pointer aliasing issues their use
 * is discouraged!
 */

/*
 * __launder_type(): We use this ugly hack to work around the the compiler
 * noticing that two types may not alias each other and elide tests in code.
 * We hit this in the CIRCLEQ macros when comparing 'struct name *' and
 * 'struct type *' (see CIRCLEQ_HEAD()). Modern compilers (such as GCC
 * 4.8) declare these comparisons as always false, causing the code to
 * not run as designed.
 *
 * This hack is only to be used for comparisons and thus can be fully const.
 * Do not use for assignment.
 *
 * If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
 * this by changing the head/tail sentinel values, but see the note above
 * this one.
 */

```

```

static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
    __asm __volatile("" : "+r" (__x));
    return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field) \
    if ((head)->cqh_first != CIRCLEQ_ENDC(head) && \
        (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
            __FILE__, __LINE__); \
    if ((head)->cqh_last != CIRCLEQ_ENDC(head) && \
        (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
            __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_last != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ \
elm last %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_first != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    }
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field) \
    (elm)->field.cqe_next = (void *)1L; \
    (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type) \

```

```

struct name {
    struct type *cqh_first; /*
    first element */
    struct type *cqh_last; /* last element */
}

#define CIRCLEQ_HEAD_INITIALIZER(head)
{ CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type)
struct {
    struct type *cqe_next; /* next element */
    struct type *cqe_prev; /* previous element */
}

/*
 * Circular queue functions.
 */
#define CIRCLEQ_INIT(head) do {
    (head)->cqh_first = CIRCLEQ_END(head);
    (head)->cqh_last = CIRCLEQ_END(head);
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do {
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field)
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)
    (elm)->field.cqe_next = (listelm)->field.cqe_next;
    (elm)->field.cqe_prev = (listelm);
    if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head))
        (head)->cqh_last = (elm);
    else
        (listelm)->field.cqe_next->field.cqe_prev = (elm);
    (listelm)->field.cqe_next = (elm);
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_BEFORE(head,
listelm, elm, field) do {
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field)
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)
    (elm)->field.cqe_next = (listelm);
    (elm)->field.cqe_prev = (listelm)->field.cqe_prev;
    if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head))
        (head)->cqh_first = (elm);
    else
        (listelm)->field.cqe_prev->field.cqe_next = (elm);
    (listelm)->field.cqe_prev = (elm);
} while (/*CONSTCOND*/0)

```



```

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next = (head)->cqh_first; \
    (elm)->field.cqe_prev = CIRCLEQ_END(head); \
    if ((head)->cqh_last == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (head)->cqh_first->field.cqe_prev = (elm); \
    (head)->cqh_first = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next \
    = CIRCLEQ_END(head); \
    (elm)->field.cqe_prev = (head)->cqh_last; \
    if ((head)->cqh_first == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (head)->cqh_last->field.cqe_next = (elm); \
    (head)->cqh_last = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_REMOVE(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm)->field.cqe_prev; \
    else \
        (elm)->field.cqe_next->field.cqe_prev = \
            (elm)->field.cqe_prev; \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm)->field.cqe_next; \
    else \
        (elm)->field.cqe_prev->field.cqe_next = \
            (elm)->field.cqe_next; \
    QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_FOREACH(var, head, field) \
    for ((var) = ((head)->cqh_first); \
        (var) != CIRCLEQ_ENDC(head); \
        (var) \
        = ((var)->field.cqe_next))

```

```

#define CIRCLEQ_FOREACH_REVERSE(var, head, field) \
    for ((var) = ((head)->cqh_last); \
        (var) != CIRCLEQ_ENDC(head); \

```

```

(var) = ((var)->field.cqe_prev))

/*
 * Circular queue access methods.
 */
#define CIRCLEQ_FIRST(head) ((head)->cqh_first)
#define CIRCLEQ_LAST(head) ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head) (__launter_type(head))
/* For assignments */
#define CIRCLEQ_END(head) ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head) \
    (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field) \
    (((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
     ? ((head)->cqh_first) \
     : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field) \
    (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
     ? ((head)->cqh_last) \
     : \
     (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS

```

```

#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct) fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

package() {
    gpep517 install-wheel --destdir "$pkgdir" \
        .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
flake8-copyright-0.2.4.tar.gz
"

```

```

# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

build() {
    cargo auditable build --release --frozen
}

check() {
    cargo test --frozen
}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
"

MIT
# Contributor: Dhruvin Gandhi <contact@dhruvin>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.4
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"

```

```

source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="${srcdir}/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

sha512sums="
f46dd4cf524b3962115fe26f5545bfdd6767275b482724af51e7ca07da79244969a3bfc5d2fd5b95bc0f19d1b95a26a8f3
ab36c676e56ec302178d7166588066
    license_expression-30.4.4.tar.gz
"

```

## 1.413 ssl-client 1.37.0-r14

### 1.413.1 Available under license :

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Julian Seward, Cambridge, UK.

[jseward@bzip.org](mailto:jseward@bzip.org)

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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```
## xwd v1.0.7
```

```
### xwd utility
```

```
<pre>
```

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## SipHash v1.0-68c8a7c

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| Main Mesa code | src/mesa/          | MIT            |
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| Ext headers    | GL/glext.h         | Khronos        |

GL/gltext.h        Khronos  
GL/wgltext.h       Khronos  
KHR/khrplatform.h   Khronos

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include/GL/gl.h :

Mesa 3-D  
graphics library

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include/GL/gltext.h  
include/GL/gltext.h  
include/GL/wgltext.h :

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tree/README

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tree/openbsd-reallocarray.c

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