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## 1.5 guice 3.0

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# 1.6 GWT 2.6.0

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# 1.7 GWTP 1.2.1

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## 1.11 jackson-core 2.4.1

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## 1.13 javax.ws.rs:jrs311-api 1.1.1 :REL

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 */

package javax.ws.rs.core;

import java.util.Collections;
import java.util.Set;

/**
 * Defines the components of a JAX-RS application and supplies additional
 * metadata. A JAX-RS application or implementation supplies a concrete
 * subclass of this abstract class.
 *
 * <p>The implementation-created instance of an Application subclass may be
 * injected into resource classes and providers using
 * { @link javax.ws.rs.core.Context }.<p>
 */
public class Application {
    private static final Set<Object> emptyObjectSet = Collections.emptySet();
    private static final Set<Class<?>> emptyClassSet = Collections.emptySet();

    /**
     * Get a set of root resource and provider classes. The default lifecycle
     * for resource class instances is per-request. The default lifecycle for
     * providers is singleton.
     *
     * <p>Implementations should warn about and ignore classes that do not
     * conform to the requirements of root resource or provider classes.
     * Implementations should warn about and ignore classes for which
     * { @link #getSingletons()} returns an instance. Implementations MUST
     * NOT modify the returned set.<p>
     *
     * <p>The default implementation returns an empty set.<p>
     *
     * @return a set of root resource and provider classes. Returning null
     * is equivalent to returning an empty set.
     */
}
```

```

*/
public Set<Class<?>> getClasses() {
    return emptyClassSet;
}

/**
 * Get a set of root resource and provider instances. Fields and properties
 * of returned instances are injected with their declared dependencies
 * (see { @link Context }) by the runtime prior to use.
 *
 * <p>Implementations should warn about and ignore classes that do not
 * conform to the requirements of root resource or provider classes.
 * Implementations should flag an error if the returned set includes
 * more than one instance of the same class. Implementations MUST
 * NOT modify the returned set.</p>
 *
 * <p>The default implementation returns an empty set.</p>
 *
 * @return a set of root resource and provider instances. Returning null
 * is equivalent to returning an empty set.
 */
public Set<Object> getSingletons() {
    return emptyObjectSet;
}

}

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 */

package javax.ws.rs;

import javax.ws.rs.core.Response;

/**
 * Runtime exception for applications.
 *
 * <p>
 * This exception may be thrown by a resource method, provider or
 * { @link javax.ws.rs.core.StreamingOutput } implementation if a specific
 * HTTP error response needs to be produced. Only effective if thrown prior to

```

```

* the response being committed.
*
* @author Paul.Sandoz@Sun.Com
*/
public class WebApplicationException extends RuntimeException {

    private static final long serialVersionUID = 11660101L;

    private Response response;

    /**
     * Construct a new instance with a blank message and default HTTP status code of 500
     */
    public WebApplicationException() {
        this(null, Response.Status.INTERNAL_SERVER_ERROR);
    }

    /**
     * Construct a new instance using the supplied response
     * @param response the response that will be returned to the client, a value
     * of null will be replaced with an internal server error response (status
     * code 500)
     */
    public WebApplicationException(Response response) {
        this(null,response);
    }

    /**
     * Construct a new instance with a blank message and specified HTTP status code
     * @param status the HTTP status code that will be returned to the client
     */
    public WebApplicationException(int status) {
        this(null, status);
    }

    /**
     * Construct a new instance with a blank message and specified HTTP status code
     * @param status the HTTP status code that will be returned to the client
     * @throws IllegalArgumentException if status is null
     */
    public WebApplicationException(Response.Status status) {
        this(null, status);
    }

    /**
     * Construct a new instance with a blank message and default HTTP status code of 500
     * @param cause the underlying cause of the exception
     */

```

```

public WebApplicationException(Throwable cause) {
    this(cause,Response.Status.INTERNAL_SERVER_ERROR);
}

/**
 * Construct a new instance using the supplied response
 * @param response the response that will be returned to the client, a value
 * of null will be replaced with an internal server error response (status
 * code 500)
 * @param cause the underlying cause of the exception
 */
public WebApplicationException(Throwable cause, Response response) {
    super(cause);
    if (response==null)
        this.response = Response.serverError().build();
    else
        this.response = response;
}

/**
 * Construct a new instance with a blank message and specified HTTP status code
 * @param status the HTTP status code that will be returned to the client
 * @param cause the underlying cause of the exception
 */
public WebApplicationException(Throwable cause, int status) {
    this(cause, Response.status(status).build());
}

/**
 * Construct a new instance with a blank message and specified HTTP status code
 * @param status the HTTP status code that will be returned to the client
 * @param cause the underlying cause of the exception
 * @throws IllegalArgumentException if status is null
 */
public WebApplicationException(Throwable cause, Response.Status status) {
    this(cause, Response.status(status).build());
}

/**
 * Get the HTTP response.
 *
 * @return the HTTP response.
 */
public Response getResponse() {
    return response;
}
}

```

```

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 */

/*
 * ApplicationPath.java
 *
 * Created on August 21, 2009
 *
 */

package javax.ws.rs;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * Identifies the application path that serves as the base URI
 * for all resource URIs provided by { @link javax.ws.rs.Path}. May only be
 * applied to a subclass of { @link javax.ws.rs.core.Application}.
 *
 * <p>When published in a Servlet container, the value of the application path
 * may be overridden using a servlet-mapping element in the web.xml.</p>
 *
 * @see javax.ws.rs.core.Application
 * @see Path
 * @since 1.1
 */
@Target({ElementType.TYPE})
@Retention(RetentionPolicy.RUNTIME)
public @interface ApplicationPath {
    /**
     * Defines the base URI for all resource URIs. A trailing '/' character will
     * be automatically appended if one is not present.
     *
     * <p>The supplied value is automatically percent
     * encoded to conform to the { @code path} production of
     * { @link <a href="http://tools.ietf.org/html/rfc3986#section-3.3">RFC 3986 section 3.3</a>}.
     */
}

```

```
* Note that percent encoded values are allowed in the value, an
* implementation will recognize such values and will not double
* encode the '%' character.</p>
*/
String value();

}
```

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