



# Open Source Used In Cisco Elastic Services Controller 3.0

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## 2.5 avaje-ebeanorm 3.3.4

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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## 2.6 avaje-ebeanorm-agent 3.2.2

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Version 2.1, February 1999

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## 2.7 bonecp 0.8.0

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# 2.18 dom4j 1.6.1

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## 2.36 jaxb-api 2.2.2

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## 2.41 jboss-logging 3.2.0.Final

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package org.apache.commons.logging;

/\*\*

\* <p>A simple logging interface abstracting logging APIs. In order to be  
 \* instantiated successfully by { @link LogFactory }, classes that implement  
 \* this interface must have a constructor that takes a single String  
 \* parameter representing the "name" of this Log.</p>

\*

\* <p>The six logging levels used by <code>Log</code> are (in order):

\* <ol>

\* <li>trace (the least serious)</li>

\* <li>debug</li>

\* <li>info</li>

\* <li>warn</li>

\* <li>error</li>

\* <li>fatal (the most serious)</li>

\* </ol>

\* The mapping of these log levels to the concepts used by the underlying  
 \* logging system is implementation dependent.

\* The implementation should ensure, though, that this ordering behaves  
 \* as expected.</p>

\*

\* <p>Performance is often a logging concern.

\* By examining the appropriate property,  
 \* a component can avoid expensive operations (producing information  
 \* to be logged).</p>

\*

\* <p>For example,

\* <code><pre>

```
*   if (log.isDebugEnabled()) {
*       ... do something expensive ...
*       log.debug(theResult);
*   }
```

\* </pre></code>

\* </p>

\*

\* <p>Configuration of the underlying logging system will generally be done  
 \* external to the Logging APIs, through whatever mechanism is supported by  
 \* that system.</p>

\*

\* <p style="color: #E40; font-weight: bold;">Please note that this interface is identical to that found in JCL  
 1.1.1.</p>

\*

```
* @author <a href="mailto:sanders@apache.org">Scott Sanders</a>
* @author Rod Waldhoff
* @version $Id: Log.java,v 1.19 2004/06/06 21:16:04 rdonkin Exp $
*/
```

```
public interface Log {
```

```
// ----- Logging Properties
```

```
/**
```

```
* <p> Is debug logging currently enabled? </p>
```

```
*
```

```
* <p> Call this method to prevent having to perform expensive operations
```

```
* (for example, <code>String</code> concatenation)
```

```
* when the log level is more than debug. </p>
```

```
*/
```

```
public boolean isDebugEnabled();
```

```
/**
```

```
* <p> Is error logging currently enabled? </p>
```

```
*
```

```
* <p> Call this method to prevent having to perform expensive operations
```

```
* (for example, <code>String</code> concatenation)
```

```
* when the log level is more than error. </p>
```

```
*/
```

```
public boolean isErrorEnabled();
```

```
/**
```

```
* <p> Is fatal logging currently enabled? </p>
```

```
*
```

```
* <p> Call this method to prevent having to perform expensive operations
```

```
* (for example, <code>String</code> concatenation)
```

```
* when the log level is more than fatal. </p>
```

```
*/
```

```
public boolean isFatalEnabled();
```

```
/**
```

```
* <p> Is info logging currently enabled? </p>
```

```
*
```

```
* <p> Call this method to prevent having to perform expensive operations
```

```
* (for example, <code>String</code> concatenation)
```

```
* when the log level is more than info. </p>
```

```
*
```

```
* @return true if info enabled, false otherwise
```



```

*/
public boolean isInfoEnabled();

/**
 * <p> Is trace logging currently enabled? </p>
 *
 * <p> Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than trace. </p>
 *
 * @return true if trace enabled, false otherwise
 */
public boolean isTraceEnabled();

```

```

/**
 * <p> Is warn logging currently enabled? </p>
 *
 * <p> Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than warn. </p>
 */
public boolean isWarnEnabled();

```

```
// ----- Logging Methods
```

```

/**
 * <p> Log a message with trace log level. </p>
 *
 * @param message log this message
 */
public void trace(Object message);

```

```

/**
 * <p> Log an error with trace log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void trace(Object message, Throwable t);

```

```

/**
 * <p> Log a message with debug log level. </p>

```

```

*
* @param message log this message
*/
public void debug(Object message);

/**
 * <p> Log an error with debug log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void debug(Object message, Throwable t);

/**
 * <p> Log a message with info log level. </p>
 *
 * @param message log this message
 */
public void info(Object message);

/**
 * <p> Log an error with info log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void info(Object message, Throwable t);

/**
 * <p> Log a message with warn log level. </p>
 *
 * @param message log this message
 */
public void warn(Object message);

/**
 * <p> Log an error with warn log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void warn(Object message, Throwable t);

```

```

/**
 * <p> Log a message with error log level. </p>
 *
 * @param message log this message
 */
public void error(Object message);

/**
 * <p> Log an error with error log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void error(Object message, Throwable t);

/**
 * <p> Log a message with fatal log level. </p>
 *
 * @param message log this message
 */
public void fatal(Object message);

/**
 * <p> Log an error with fatal log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void fatal(Object message, Throwable t);

}

```

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## 2.46 jul-to-slf4j 1.7.6

## 2.47 logback-classic 1.1.1

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## 2.51 Ning AsyncHttpClient 1.8.15

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## 2.54 Play-framework-2.3.8 2.3.8

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## 2.61 Scala-xml\_2.11 1.0.1

## 2.62 signpost-commonshttp4 1.2.1.2

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\*/

package oauth.signpost.commonshhttp;



```

import java.io.IOException;

import oauth.signpost.AbstractOAuthProvider;
import oauth.signpost.http.HttpRequest;

import org.apache.http.HttpEntity;
import org.apache.http.HttpResponse;
import org.apache.http.client.HttpClient;
import org.apache.http.client.methods.HttpPost;
import org.apache.http.client.methods.HttpUriRequest;
import org.apache.http.impl.client.DefaultHttpClient;

/**
 * This implementation uses the Apache Commons {@link HttpClient} 4.x HTTP
 * implementation to fetch OAuth tokens from a service provider. Android users
 * should use this provider implementation in favor of the default one, since
 * the latter is known to cause problems with Android's Apache Harmony
 * underpinnings.
 *
 * @author Matthias Kaeppler
 */
public class CommonsHttpOAuthProvider extends AbstractOAuthProvider {

    private static final long serialVersionUID = 1L;

    private transient HttpClient httpClient;

    public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl,
        String authorizationWebsiteUrl) {
        super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
        this.httpClient = new DefaultHttpClient();
    }

    public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl,
        String authorizationWebsiteUrl, HttpClient httpClient) {
        super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
        this.httpClient = httpClient;
    }

    public void setHttpClient(HttpClient httpClient) {
        this.httpClient = httpClient;
    }

    @Override
    protected HttpRequest createRequest(String endpointUrl) throws Exception {
        HttpPost request = new HttpPost(endpointUrl);
        return new HttpRequestAdapter(request);
    }
}

```

```

@Override
protected oauth.signpost.http.HttpResponse sendRequest(HttpRequest request) throws Exception {
    HttpResponse response = httpClient.execute((HttpRequest) request.unwrap());
    return new HttpResponseAdapter(response);
}

@Override
protected void closeConnection(HttpRequest request, oauth.signpost.http.HttpResponse response)
    throws Exception {
    if (response != null) {
        HttpEntity entity = ((HttpResponse) response.unwrap()).getEntity();
        if (entity != null) {
            try {
                // free the connection
                entity.consumeContent();
            } catch (IOException e) {
                // this means HTTP keep-alive is not possible
                e.printStackTrace();
            }
        }
    }
}
}
}
}
}

```

## 2.63 signpost-core 1.2.1.2

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- \*/

```
package oauth.signpost;
```

```
import java.io.IOException;
import java.io.InputStream;
import java.util.Random;
```

```
import oauth.signpost.basic.UrlStringRequestAdapter;
import oauth.signpost.exception.OAuthCommunicationException;
import oauth.signpost.exception.OAuthExpectationFailedException;
import oauth.signpost.exception.OAuthMessageSignerException;
import oauth.signpost.http.HttpParameters;
import oauth.signpost.http.HttpRequest;
import oauth.signpost.signature.AuthorizationHeaderSigningStrategy;
import oauth.signpost.signature.HmacSha1MessageSigner;
import oauth.signpost.signature.OAuthMessageSigner;
import oauth.signpost.signature.QueryStringSigningStrategy;
import oauth.signpost.signature.SigningStrategy;
```

```
/**
```

- \* ABC for consumer implementations. If you're developing a custom consumer you
- \* will probably inherit from this class to save you a lot of work.
- \*

```
* @author Matthias Kaeppler
```

```
*/
```

```
public abstract class AbstractOAuthConsumer implements OAuthConsumer {
```

```
    private static final long serialVersionUID = 1L;
```

```
    private String consumerKey, consumerSecret;
```

```
    private String token;
```

```
    private OAuthMessageSigner messageSigner;
```

```
    private SigningStrategy signingStrategy;
```

```
    // these are params that may be passed to the consumer directly (i.e.
```

```
    // without going through the request object)
```

```
    private HttpParameters additionalParameters;
```

```
    // these are the params which will be passed to the message signer
```

```
    private HttpParameters requestParameters;
```

```
    private boolean sendEmptyTokens;
```

```

final private Random random = new Random(System.nanoTime());

public AbstractOAuthConsumer(String consumerKey, String consumerSecret) {
    this.consumerKey = consumerKey;
    this.consumerSecret = consumerSecret;
    setMessageSigner(new HmacSha1MessageSigner());
    setSigningStrategy(new AuthorizationHeaderSigningStrategy());
}

public void setMessageSigner(OAuthMessageSigner messageSigner) {
    this.messageSigner = messageSigner;
    messageSigner.setConsumerSecret(consumerSecret);
}

public void setSigningStrategy(SigningStrategy signingStrategy) {
    this.signingStrategy = signingStrategy;
}

public void setAdditionalParameters(HttpParameters additionalParameters) {
    this.additionalParameters = additionalParameters;
}

public synchronized HttpRequest sign(HttpRequest request) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    if (consumerKey == null) {
        throw new OAuthExpectationFailedException("consumer key not set");
    }
    if (consumerSecret == null) {
        throw new OAuthExpectationFailedException("consumer secret not set");
    }

    requestParameters = new HttpParameters();
    try {
        if (additionalParameters != null) {
            requestParameters.putAll(additionalParameters, false);
        }
        collectHeaderParameters(request, requestParameters);
        collectQueryParameters(request, requestParameters);
        collectBodyParameters(request, requestParameters);

        // add any OAuth params that haven't already been set
        completeOAuthParameters(requestParameters);

        requestParameters.remove(OAuth.OAUTH_SIGNATURE);

    } catch (IOException e) {
        throw new OAuthCommunicationException(e);
    }
}

```



```

    }

    String signature = messageSigner.sign(request, requestParameters);
    OAuth.debugOut("signature", signature);

    signingStrategy.writeSignature(signature, request, requestParameters);
    OAuth.debugOut("Request URL", request.getRequestUrl());

    return request;
}

public synchronized HttpRequest sign(Object request) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    return sign(wrap(request));
}

public synchronized String sign(String url) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    HttpRequest request = new UrlStringRequestAdapter(url);

    // switch to URL signing
    SigningStrategy oldStrategy = this.signingStrategy;
    this.signingStrategy = new QueryStringSigningStrategy();

    sign(request);

    // revert to old strategy
    this.signingStrategy = oldStrategy;

    return request.getRequestUrl();
}

/**
 * Adapts the given request object to a Signpost {@link HttpRequest}. How
 * this is done depends on the consumer implementation.
 *
 * @param request
 *     the native HTTP request instance
 * @return the adapted request
 */
protected abstract HttpRequest wrap(Object request);

public void setTokenWithSecret(String token, String tokenSecret) {
    this.token = token;
    messageSigner.setTokenSecret(tokenSecret);
}

public String getToken() {

```

```

    return token;
}

public String getTokenSecret() {
    return messageSigner.getTokenSecret();
}

public String getConsumerKey() {
    return this.consumerKey;
}

public String getConsumerSecret() {
    return this.consumerSecret;
}

/**
 * <p>
 * Helper method that adds any OAuth parameters to the given request
 * parameters which are missing from the current request but required for
 * signing. A good example is the oauth_nonce parameter, which is typically
 * not provided by the client in advance.
 * </p>
 * <p>
 * It's probably not a very good idea to override this method. If you want
 * to generate different nonces or timestamps, override
 * {@link #generateNonce()} or {@link #generateTimestamp()} instead.
 * </p>
 *
 * @param out
 *     the request parameter which should be completed
 */
protected void completeOAuthParameters(HttpParameters out) {
    if (!out.containsKey(OAuth.OAUTH_CONSUMER_KEY)) {
        out.put(OAuth.OAUTH_CONSUMER_KEY, consumerKey, true);
    }
    if (!out.containsKey(OAuth.OAUTH_SIGNATURE_METHOD)) {
        out.put(OAuth.OAUTH_SIGNATURE_METHOD, messageSigner.getSignatureMethod(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_TIMESTAMP)) {
        out.put(OAuth.OAUTH_TIMESTAMP, generateTimestamp(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_NONCE)) {
        out.put(OAuth.OAUTH_NONCE, generateNonce(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_VERSION)) {
        out.put(OAuth.OAUTH_VERSION, OAuth.VERSION_1_0, true);
    }
    if (!out.containsKey(OAuth.OAUTH_TOKEN)) {

```

```

        if (token != null && !token.equals("") || sendEmptyTokens) {
            out.put(OAuth.OAUTH_TOKEN, token, true);
        }
    }
}

public HttpParameters getRequestParameters() {
    return requestParameters;
}

public void setSendEmptyTokens(boolean enable) {
    this.sendEmptyTokens = enable;
}

/**
 * Collects OAuth Authorization header parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectHeaderParameters(HttpServletRequest request, HttpParameters out) {
    HttpParameters headerParams =
OAuth.oauthHeaderToParamsMap(request.getHeader(OAuth.HTTP_AUTHORIZATION_HEADER));
    out.putAll(headerParams, false);
}

/**
 * Collects x-www-form-urlencoded body parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectBodyParameters(HttpServletRequest request, HttpParameters out)
    throws IOException {

    // collect x-www-form-urlencoded body params
    String contentType = request.getContentType();
    if (contentType != null && contentType.startsWith(OAuth.FORM_ENCODED)) {
        InputStream payload = request.getMessagePayload();
        out.putAll(OAuth.decodeForm(payload), true);
    }
}

/**
 * Collects HTTP GET query string parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectQueryParameters(HttpServletRequest request, HttpParameters out) {

    String url = request.getRequestUrl();
    int q = url.indexOf('?');
    if (q >= 0) {

```

```

        // Combine the URL query string with the other parameters:
        out.putAll(OAuth.decodeForm(url.substring(q + 1)), true);
    }
}

protected String generateTimestamp() {
    return Long.toString(System.currentTimeMillis() / 1000L);
}

protected String generateNonce() {
    return Long.toString(random.nextLong());
}
}
}
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 */

package com.google.gdata.util.common.base;

/**
 * An object that converts literal text into a format safe for inclusion in a
 * particular context (such as an XML document). Typically (but not always), the
 * inverse process of "unescaping" the text is performed automatically by the
 * relevant parser.
 *
 * <p>For example, an XML escaper would convert the literal string { @code
 * "Foo<Bar>"} into { @code "Foo&lt;Bar&gt;"} to prevent { @code "<Bar>"} from
 * being confused with an XML tag. When the resulting XML document is parsed,
 * the parser API will return this text as the original literal string { @code
 * "Foo<Bar>"}.

```

```

* CharEscaperBuilder}, or extend {@link CharEscaper} or {@code UnicodeEscaper}.
*
*
*/
public interface Escaper {
/**
* Returns the escaped form of a given literal string.
*
* <p>Note that this method may treat input characters differently depending on
* the specific escaper implementation.
* <ul>
* <li>{@link UnicodeEscaper} handles
* <a href="http://en.wikipedia.org/wiki/UTF-16">UTF-16</a> correctly,
* including surrogate character pairs. If the input is badly formed the
* escaper should throw {@link IllegalArgumentException}.
* <li>{@link CharEscaper} handles Java characters independently and does not
* verify the input for well formed characters. A CharEscaper should not be
* used in situations where input is not guaranteed to be restricted to the
* Basic Multilingual Plane (BMP).
* </ul>
*
* @param string the literal string to be escaped
* @return the escaped form of {@code string}
* @throws NullPointerException if {@code string} is null
* @throws IllegalArgumentException if {@code string} contains badly formed
* UTF-16 or cannot be escaped for any other reason
*/
public String escape(String string);

/**
* Returns an {@code Appendable} instance which automatically escapes all
* text appended to it before passing the resulting text to an underlying
* {@code Appendable}.
*
* <p>Note that this method may treat input characters differently depending on
* the specific escaper implementation.
* <ul>
* <li>{@link UnicodeEscaper} handles
* <a href="http://en.wikipedia.org/wiki/UTF-16">UTF-16</a> correctly,
* including surrogate character pairs. If the input is badly formed the
* escaper should throw {@link IllegalArgumentException}.
* <li>{@link CharEscaper} handles Java characters independently and does not
* verify the input for well formed characters. A CharEscaper should not be
* used in situations where input is not guaranteed to be restricted to the
* Basic Multilingual Plane (BMP).
* </ul>
*
* @param out the underlying {@code Appendable} to append escaped output to

```

```

* @return an {@code Appendable} which passes text to {@code out} after
*   escaping it.
*/
public Appendable escape(Appendable out);
}

```

## 2.64 SLF4J API Module 1.7.2

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```

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 */

```

## 2.65 slf4j-api 1.7.6

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```

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# 2.69 tomcat-servlet-api 8.0.5

## 2.69.1 Available under license :

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The original XML Schemas for Java EE Deployment Descriptors:

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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd

may be obtained from:

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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
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## 2.70 typesafe config 1.2.1

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## 2.71 tyrex 1.0.1

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## 3.7 Class Model for Hk2 2.4.0-b06

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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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## 3.24 hk2-runlevel 2.4.0-b06

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## 3.25 hk2-utils 2.4.0-b06

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## 3.26 httpclient 4.3.6

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## 3.36 javax.annotation API 1.2

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## 3.60 mockito-core\_javadoc\_js\_sh 1.10.19

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## 3.62 openstack4j 3.0.4

## 3.63 osgi-resource-locator 1.0.1

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## 3.67 slf4j-api 1.7.12

## 3.68 SnakeYAML 1.14

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## 3.71 spring-aop 4.1.6

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## 3.72 spring-boot 1.2.4

## 3.73 spring-boot-autoconfigure

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```
package org.springframework.boot.autoconfigure.template;
```

```
import org.springframework.boot.context.properties.ConfigurationProperties;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;
import org.springframework.web.servlet.view.AbstractTemplateViewResolver;
```

```
/**
 * Base class for {@link ConfigurationProperties} of a
 * {@link AbstractTemplateViewResolver}.
 *
 * @author Andy Wilkinson
 * @since 1.1.0
 */
```

```

public abstract class AbstractTemplateViewResolverProperties extends
    AbstractViewResolverProperties {

    /**
     * Prefix that gets prepended to view names when building a URL.
     */
    private String prefix;

    /**
     * Suffix that gets appended to view names when building a URL.
     */
    private String suffix;

    /**
     * Name of the RequestContext attribute for all views.
     */
    private String requestContextAttribute;

    /**
     * Set whether all request attributes should be added to the model prior to merging
     * with the template.
     */
    private boolean exposeRequestAttributes = false;

    /**
     * Set whether all HttpSession attributes should be added to the model prior to
     * merging with the template.
     */
    private boolean exposeSessionAttributes = false;

    /**
     * Set whether HttpServletRequest attributes are allowed to override (hide) controller
     * generated model attributes of the same name.
     */
    private boolean allowRequestOverride = false;

    /**
     * Set whether to expose a RequestContext for use by Spring's macro library, under the
     * name "springMacroRequestContext".
     */
    private boolean exposeSpringMacroHelpers = true;

    protected AbstractTemplateViewResolverProperties(String defaultPrefix,
        String defaultSuffix) {
        this.prefix = defaultPrefix;
        this.suffix = defaultSuffix;
    }
}

```

```

public String getPrefix() {
    return this.prefix;
}

public void setPrefix(String prefix) {
    this.prefix = prefix;
}

public String getSuffix() {
    return this.suffix;
}

public void setSuffix(String suffix) {
    this.suffix = suffix;
}

public String getRequestContextAttribute() {
    return this.requestContextAttribute;
}

public void setRequestContextAttribute(String requestContextAttribute) {
    this.requestContextAttribute = requestContextAttribute;
}

public boolean isExposeRequestAttributes() {
    return this.exposeRequestAttributes;
}

public void setExposeRequestAttributes(boolean exposeRequestAttributes) {
    this.exposeRequestAttributes = exposeRequestAttributes;
}

public boolean isExposeSessionAttributes() {
    return this.exposeSessionAttributes;
}

public void setExposeSessionAttributes(boolean exposeSessionAttributes) {
    this.exposeSessionAttributes = exposeSessionAttributes;
}

public boolean isAllowRequestOverride() {
    return this.allowRequestOverride;
}

public void setAllowRequestOverride(boolean allowRequestOverride) {
    this.allowRequestOverride = allowRequestOverride;
}

```

```

public boolean isExposeSpringMacroHelpers() {
    return this.exposeSpringMacroHelpers;
}

public void setExposeSpringMacroHelpers(boolean exposeSpringMacroHelpers) {
    this.exposeSpringMacroHelpers = exposeSpringMacroHelpers;
}

/**
 * Apply the given properties to a {@link AbstractTemplateViewResolver}. Use Object in
 * signature to avoid runtime dependency on MVC, which means that the template engine
 * can be used in a non-web application.
 *
 * @param viewResolver the resolver to apply the properties to.
 */
public void applyToViewResolver(Object viewResolver) {

    Assert.isInstanceOf(AbstractTemplateViewResolver.class, viewResolver,
        "ViewResolver is not an instance of AbstractTemplateViewResolver :"+
        + viewResolver);
    AbstractTemplateViewResolver resolver = (AbstractTemplateViewResolver) viewResolver;
    resolver.setPrefix(getPrefix());
    resolver.setSuffix(getSuffix());
    resolver.setCache(isCache());
    resolver.setContentType(getContentType());
    resolver.setViewNames(getViewNames());
    resolver.setExposeRequestAttributes(isExposeRequestAttributes());
    resolver.setAllowRequestOverride(isAllowRequestOverride());
    resolver.setExposeSessionAttributes(isExposeSessionAttributes());
    resolver.setExposeSpringMacroHelpers(isExposeSpringMacroHelpers());
    resolver.setRequestContextAttribute(getRequestContextAttribute());
    // The resolver usually acts as a fallback resolver (e.g. like a
    // InternalResourceViewResolver) so it needs to have low precedence
    resolver.setOrder(Ordered.LOWEST_PRECEDENCE - 5);

}

}

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```

```
package org.springframework.boot.autoconfigure.template;
```

```
import org.springframework.core.env.Environment;  
import org.springframework.core.io.ResourceLoader;
```

```
/**
```

```
* Indicates the availability of view templates for a particular templating engine such as  
* FreeMarker or Thymeleaf  
*
```

```
* @author Andy Wilkinson  
* @since 1.1.0  
*/
```

```
public interface TemplateAvailabilityProvider {
```

```
/**
```

```
* Returns {@code true} if a template is available for the given {@code view}.  
* @param view the view name  
* @param environment the environment  
* @param classLoader the class loader  
* @param resourceLoader the resource loader  
* @return if the template is available  
*/
```

```
boolean isTemplateAvailable(String view, Environment environment,  
    ClassLoader classLoader, ResourceLoader resourceLoader);
```

```
}
```

```
/*
```

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```



```

package org.springframework.boot.autoconfigure.template;

import java.io.IOException;

import org.springframework.core.io.Resource;
import org.springframework.core.io.ResourceLoader;
import org.springframework.core.io.support.ResourcePatternResolver;
import org.springframework.util.Assert;

/**
 * Contains a location that templates can be loaded from.
 *
 * @author Phillip Webb
 * @since 1.2.1
 */
public class TemplateLocation {

    private final String path;

    public TemplateLocation(String path) {
        Assert.notNull(path, "Path must not be null");
        this.path = path;
    }

    /**
     * Determine if this template location exists using the specified
     * {@link ResourcePatternResolver}.
     * @param resolver the resolver used to test if the location exists
     * @return {@code true} if the location exists.
     */
    public boolean exists(ResourcePatternResolver resolver) {
        Assert.notNull(resolver, "Resolver must not be null");
        if (resolver.getResource(this.path).exists()) {
            return true;
        }
        try {
            if (anyExists(resolver)) {
                return true;
            }
        }
        catch (IOException ex) {
        }
        return false;
    }

    private boolean anyExists(ResourcePatternResolver resolver) throws IOException {
        String searchPath = this.path;
        if (searchPath.startsWith(ResourceLoader.CLASSPATH_URL_PREFIX)) {

```

```

searchPath = ResourcePatternResolver.CLASSPATH_ALL_URL_PREFIX
    + searchPath.substring(ResourceLoader.CLASSPATH_URL_PREFIX.length());
}
if (searchPath.startsWith(ResourcePatternResolver.CLASSPATH_ALL_URL_PREFIX)) {
    Resource[] resources = resolver.getResources(searchPath);
    for (Resource resource : resources) {
        if (resource.exists()) {
            return true;
        }
    }
}
return false;
}

@Override
public String toString() {
    return this.path;
}

}
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 */

package org.springframework.boot.autoconfigure.velocity;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

/**
 * {@link TemplateAvailabilityProvider} that provides availability information for
 * Velocity view templates
 *
 * @author Andy Wilkinson

```

```

* @since 1.1.0
*/
public class VelocityTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("org.apache.velocity.app.VelocityEngine", classLoader)) {
            String loaderPath = environment.getProperty(
                "spring.velocity.resourceLoaderPath",
                VelocityProperties.DEFAULT_RESOURCE_LOADER_PATH);
            String prefix = environment.getProperty("spring.velocity.prefix",
                VelocityProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.velocity.suffix",
                VelocityProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(loaderPath + prefix + view + suffix)
                .exists();
        }
        return false;
    }

}

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*/

package org.springframework.boot.autoconfigure.web;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

/**
* { @link TemplateAvailabilityProvider} that provides availability information for JSP
* view templates

```

```

*
* @author Andy Wilkinson
* @since 1.1.0
*/
public class JspTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("org.apache.jasper.compiler.JspConfig", classLoader)) {
            String prefix = environment.getProperty("spring.view.prefix",
                WebMvcAutoConfiguration.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.view.suffix",
                WebMvcAutoConfiguration.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }

}

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*/

package org.springframework.boot.autoconfigure.thymeleaf;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

/**
* {@link TemplateAvailabilityProvider} that provides availability information for
* Thymeleaf view templates
*
* @author Andy Wilkinson

```

```

* @since 1.1.0
*/
public class ThymeleafTemplateAvailabilityProvider implements
    TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("org.thymeleaf.spring4.SpringTemplateEngine",
            classLoader)) {
            String prefix = environment.getProperty("spring.thymeleaf.prefix",
                ThymeleafProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.thymeleaf.suffix",
                ThymeleafProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }

}

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package org.springframework.boot.autoconfigure.freemarker;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

/**
* {@link TemplateAvailabilityProvider} that provides availability information for
* FreeMarker view templates
*
* @author Andy Wilkinson

```

```

* @since 1.1.0
*/
public class FreeMarkerTemplateAvailabilityProvider implements
    TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("freemarker.template.Configuration", classLoader)) {
            String loaderPath = environment.getProperty("spring.freemarker.path",
                FreeMarkerProperties.DEFAULT_TEMPLATE_LOADER_PATH);
            String prefix = environment.getProperty("spring.freemarker.prefix",
                FreeMarkerProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.freemarker.suffix",
                FreeMarkerProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(loaderPath + prefix + view + suffix)
                .exists();
        }
        return false;
    }

}

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*/

package org.springframework.boot.autoconfigure.groovy.template;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

/**
* {@link TemplateAvailabilityProvider} that provides availability information for Groovy
* view templates

```

```

*
* @author Dave Syer
* @since 1.1.0
*/
public class GroovyTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("groovy.text.TemplateEngine", classLoader)) {
            String prefix = environment.getProperty("spring.groovy.template.prefix",
                GroovyTemplateProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.groovy.template.suffix",
                GroovyTemplateProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }

}

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*/
package org.springframework.boot.autoconfigure.groovy.template;

import groovy.text.markup.MarkupTemplateEngine;
import groovy.text.markup.TemplateConfiguration;
import groovy.text.markup.TemplateResolver;

import java.io.IOException;
import java.net.URL;

import org.springframework.context.i18n.LocaleContextHolder;
import org.springframework.web.servlet.view.groovy.GroovyMarkupConfigurer;
import org.springframework.web.servlet.view.groovy.GroovyMarkupViewResolver;

```

```

/**
 * A custom {@link groovy.text.markup.TemplateResolver template resolver} which resolves
 * templates using the locale found in the thread locale. This resolver ignores the
 * template engine configuration locale.
 *
 * @author Cdrlic Champeau
 * @since 1.1.0
 * @deprecated since 1.2 in favor of Spring 4.1's {@link GroovyMarkupViewResolver} and
 * {@link GroovyMarkupConfigurer}.
 */
@Deprecated
public class GroovyTemplateResolver implements TemplateResolver {

    private ClassLoader templateClassLoader;

    @Override
    public void configure(final ClassLoader templateClassLoader,
        final TemplateConfiguration configuration) {
        this.templateClassLoader = templateClassLoader;
    }

    @Override
    public URL resolveTemplate(final String templatePath) throws IOException {
        MarkupTemplateEngine.TemplateResource templateResource = MarkupTemplateEngine.TemplateResource
            .parse(templatePath);
        URL resource = this.templateClassLoader.getResource(templateResource.withLocale(
            LocaleContextHolder.getLocale().toString().replace("-", "_")).toString());
        if (resource == null) {
            // no resource found with the default locale, try without any locale
            resource = this.templateClassLoader.getResource(templateResource.withLocale(
                null).toString());
        }
        if (resource == null) {
            throw new IOException("Unable to load template:" + templatePath);
        }
        return resource;
    }
}
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 */

```



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\*/

```
package org.springframework.boot.autoconfigure.groovy.template;
```

```
import java.util.HashMap;  
import java.util.Map;
```

```
import org.springframework.boot.autoconfigure.template.AbstractViewResolverProperties;  
import org.springframework.boot.context.properties.ConfigurationProperties;
```

```
/**
```

```
 * {@link ConfigurationProperties} for configuring Groovy templates.
```

```
 *
```

```
 * @author Dave Syer
```

```
 * @since 1.1.0
```

```
 */
```

```
@ConfigurationProperties(prefix = "spring.groovy.template", ignoreUnknownFields = false)
```

```
public class GroovyTemplateProperties extends AbstractViewResolverProperties {
```

```
    public static final String DEFAULT_PREFIX = "classpath:/templates/";
```

```
    public static final String DEFAULT_SUFFIX = ".tpl";
```

```
    /**
```

```
     * Prefix that gets prepended to view names when building a URL.
```

```
     */
```

```
    private String prefix = DEFAULT_PREFIX;
```

```
    /**
```

```
     * Suffix that gets appended to view names when building a URL.
```

```
     */
```

```
    private String suffix = DEFAULT_SUFFIX;
```

```
    /**
```

```
     * Configuration to pass to TemplateConfiguration.
```

```
     */
```

```
    private Map<String, Object> configuration = new HashMap<String, Object>();
```

```
    public String getPrefix() {  
        return this.prefix;  
    }  
}
```

```
    public void setPrefix(String prefix) {
```

```

    this.prefix = prefix;
}

public String getSuffix() {
    return this.suffix;
}

public void setSuffix(String suffix) {
    this.suffix = suffix;
}

public void setConfiguration(Map<String, Object> configuration) {
    this.configuration = configuration;
}

public Map<String, Object> getConfiguration() {
    return this.configuration;
}

}
/*
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 */

package org.springframework.boot.autoconfigure.groovy.template;

import groovy.text.markup.MarkupTemplateEngine;

import java.security.CodeSource;
import java.security.ProtectionDomain;

import javax.annotation.PostConstruct;
import javax.servlet.Servlet;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.autoconfigure.AutoConfigureAfter;

```

```

import org.springframework.boot.autoconfigure.condition.ConditionalOnClass;
import org.springframework.boot.autoconfigure.condition.ConditionalOnMissingBean;
import org.springframework.boot.autoconfigure.condition.ConditionalOnProperty;
import org.springframework.boot.autoconfigure.condition.ConditionalOnWebApplication;
import org.springframework.boot.autoconfigure.template.TemplateLocation;
import org.springframework.boot.autoconfigure.web.WebMvcAutoConfiguration;
import org.springframework.boot.context.properties.ConfigurationProperties;
import org.springframework.boot.context.properties.EnableConfigurationProperties;
import org.springframework.context.ApplicationContext;
import org.springframework.context.annotation.Bean;
import org.springframework.context.annotation.Configuration;
import org.springframework.context.i18n.LocaleContextHolder;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;
import org.springframework.web.servlet.view.UrlBasedViewResolver;
import org.springframework.web.servlet.view.groovy.GroovyMarkupConfig;
import org.springframework.web.servlet.view.groovy.GroovyMarkupConfigurer;
import org.springframework.web.servlet.view.groovy.GroovyMarkupViewResolver;

/**
 * Autoconfiguration support for Groovy templates in MVC. By default creates a
 * {@link MarkupTemplateEngine} configured from {@link GroovyTemplateProperties}, but you
 * can override that by providing your own {@link GroovyMarkupConfig} or even a
 * {@link MarkupTemplateEngine} of a different type.
 *
 * @author Dave Syer
 * @author Andy Wilkinson
 * @author Brian Clozel
 * @since 1.1.0
 */
@Configuration
@ConditionalOnClass(MarkupTemplateEngine.class)
@AutoConfigureAfter(WebMvcAutoConfiguration.class)
@EnableConfigurationProperties(GroovyTemplateProperties.class)
public class GroovyTemplateAutoConfiguration {

    @Configuration
    @ConditionalOnClass(GroovyMarkupConfigurer.class)
    public static class GroovyMarkupConfiguration {

        @Autowired
        private ApplicationContext applicationContext;

        @Autowired
        private GroovyTemplateProperties properties;

        @Autowired(required = false)
        private MarkupTemplateEngine templateEngine;
    }
}

```

```

@PostConstruct
public void checkTemplateLocationExists() {
if (this.properties.isCheckTemplateLocation() && !isUsingGroovyAllJar()) {
    TemplateLocation location = new TemplateLocation(
        this.properties.getPrefix());
    Assert.state(location.exists(this.applicationContext),
        "Cannot find template location: " + location
        + " (please add some templates, check your Groovy "
        + "configuration, or set spring.groovy.template."
        + "check-template-location=false)");
}
}

/**
 * MarkupTemplateEngine could be loaded from groovy-templates or groovy-all.
 * Unfortunately it's quite common for people to use groovy-all and not actually
 * need templating support. This method check attempts to check the source jar so
 * that we can skip the { @code /template } folder check for such cases.
 * @return true if the groovy-all jar is used
 */
private boolean isUsingGroovyAllJar() {
try {
    ProtectionDomain domain = MarkupTemplateEngine.class
        .getProtectionDomain();
    CodeSource codeSource = domain.getCodeSource();
    if (codeSource != null
        && codeSource.getLocation().toString().contains("-all")) {
        return true;
    }
}
catch (Exception ex) {
}
return false;
}

@Bean
@ConditionalOnMissingBean(GroovyMarkupConfig.class)
@ConfigurationProperties(prefix = "spring.groovy.template.configuration")
public GroovyMarkupConfigurer groovyMarkupConfigurer() {
    GroovyMarkupConfigurer configurer = new GroovyMarkupConfigurer();
    configurer.setResourceLoaderPath(this.properties.getPrefix());
    configurer.setCacheTemplates(this.properties.isCache());
    if (this.templateEngine != null) {
        configurer.setTemplateEngine(this.templateEngine);
    }
    return configurer;
}

```

```

}

@Configuration
@ConditionalOnClass({ Servlet.class, LocaleContextHolder.class,
    UrlBasedViewResolver.class })
@ConditionalOnWebApplication
@ConditionalOnProperty(name = "spring.groovy.template.enabled", matchIfMissing = true)
public static class GroovyWebConfiguration {

    @Autowired
    private GroovyTemplateProperties properties;

    @Bean
    @ConditionalOnMissingBean(name = "groovyMarkupViewResolver")
    public GroovyMarkupViewResolver groovyMarkupViewResolver() {
        GroovyMarkupViewResolver resolver = new GroovyMarkupViewResolver();
        configureViewResolver(resolver);
        return resolver;
    }

    private void configureViewResolver(UrlBasedViewResolver resolver) {
        resolver.setSuffix(this.properties.getSuffix());
        resolver.setCache(this.properties.isCache());
        resolver.setContentType(this.properties.getContentType());
        resolver.setViewNames(this.properties.getViewNames());
        resolver.setRequestContextAttribute("spring");
        // This resolver acts as a fallback resolver (e.g. like a
        // InternalResourceViewResolver) so it needs to have low precedence
        resolver.setOrder(Ordered.LOWEST_PRECEDENCE - 6);
    }

}

}

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```

```

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*/

package org.springframework.boot.autoconfigure.mustache;

import java.io.InputStreamReader;
import java.io.Reader;

import org.springframework.context.ResourceLoaderAware;
import org.springframework.core.io.DefaultResourceLoader;
import org.springframework.core.io.Resource;
import org.springframework.core.io.ResourceLoader;

import com.samskivert.mustache.Mustache;
import com.samskivert.mustache.Mustache.TemplateLoader;

/**
 * Mustache TemplateLoader implementation that uses a prefix, suffix and the Spring
 * Resource abstraction to load a template from a file, classpath, URL etc. A
 * TemplateLoader is needed in the Compiler when you want to render partials (i.e.
 * tiles-like fetatures).
 *
 * @author Dave Syer
 * @since 1.2.2
 * @see Mustache
 * @see Resource
 */
public class MustacheResourceTemplateLoader implements TemplateLoader,
    ResourceLoaderAware {

    private String prefix = "";

    private String suffix = "";

    private String charSet = "UTF-8";

    private ResourceLoader resourceLoader = new DefaultResourceLoader();

    public MustacheResourceTemplateLoader() {
    }

    public MustacheResourceTemplateLoader(String prefix, String suffix) {
        super();
        this.prefix = prefix;
        this.suffix = suffix;
    }

    /**

```

```

* @param charSet the charSet to set
*/
public void setCharset(String charSet) {
    this.charSet = charSet;
}

/**
* @param resourceLoader the resourceLoader to set
*/
@Override
public void setResourceLoader(ResourceLoader resourceLoader) {
    this.resourceLoader = resourceLoader;
}

@Override
public Reader getTemplate(String name) throws Exception {
    return new InputStreamReader(this.resourceLoader.getResource(
        this.prefix + name + this.suffix).getInputStream(), this.charSet);
}
}
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*/

package org.springframework.boot.autoconfigure.mustache;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

/**
* {@link TemplateAvailabilityProvider} that provides availability information for
* Mustache view templates
*

```

```

* @author Dave Syer
* @since 1.2.2
*/
public class MustacheTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("com.samskivert.mustache.Template", classLoader)) {
            String prefix = environment.getProperty("spring.mustache.prefix",
                MustacheProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.mustache.suffix",
                MustacheProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }
}

```

## 3.74 spring-boot-autoconfigure 1.2.4

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```

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 */

package org.springframework.boot.autoconfigure.template;

import org.springframework.boot.context.properties.ConfigurationProperties;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;
import org.springframework.web.servlet.view.AbstractTemplateViewResolver;

/**

```



```

* Base class for {@link ConfigurationProperties} of a
* {@link AbstractTemplateViewResolver}.
*
* @author Andy Wilkinson
* @since 1.1.0
*/
public abstract class AbstractTemplateViewResolverProperties extends
    AbstractViewResolverProperties {

    /**
     * Prefix that gets prepended to view names when building a URL.
     */
    private String prefix;

    /**
     * Suffix that gets appended to view names when building a URL.
     */
    private String suffix;

    /**
     * Name of the RequestContext attribute for all views.
     */
    private String requestContextAttribute;

    /**
     * Set whether all request attributes should be added to the model prior to merging
     * with the template.
     */
    private boolean exposeRequestAttributes = false;

    /**
     * Set whether all HttpSession attributes should be added to the model prior to
     * merging with the template.
     */
    private boolean exposeSessionAttributes = false;

    /**
     * Set whether HttpServletRequest attributes are allowed to override (hide) controller
     * generated model attributes of the same name.
     */
    private boolean allowRequestOverride = false;

    /**
     * Set whether to expose a RequestContext for use by Spring's macro library, under the
     * name "springMacroRequestContext".
     */
    private boolean exposeSpringMacroHelpers = true;

```

```

protected AbstractTemplateViewResolverProperties(String defaultPrefix,
String defaultSuffix) {
    this.prefix = defaultPrefix;
    this.suffix = defaultSuffix;
}

public String getPrefix() {
    return this.prefix;
}

public void setPrefix(String prefix) {
    this.prefix = prefix;
}

public String getSuffix() {
    return this.suffix;
}

public void setSuffix(String suffix) {
    this.suffix = suffix;
}

public String getRequestContextAttribute() {
    return this.requestContextAttribute;
}

public void setRequestContextAttribute(String requestContextAttribute) {
    this.requestContextAttribute = requestContextAttribute;
}

public boolean isExposeRequestAttributes() {
    return this.exposeRequestAttributes;
}

public void setExposeRequestAttributes(boolean exposeRequestAttributes) {
    this.exposeRequestAttributes = exposeRequestAttributes;
}

public boolean isExposeSessionAttributes() {
    return this.exposeSessionAttributes;
}

public void setExposeSessionAttributes(boolean exposeSessionAttributes) {
    this.exposeSessionAttributes = exposeSessionAttributes;
}

public boolean isAllowRequestOverride() {
    return this.allowRequestOverride;
}

```

```

}

public void setAllowRequestOverride(boolean allowRequestOverride) {
    this.allowRequestOverride = allowRequestOverride;
}

public boolean isExposeSpringMacroHelpers() {
    return this.exposeSpringMacroHelpers;
}

public void setExposeSpringMacroHelpers(boolean exposeSpringMacroHelpers) {
    this.exposeSpringMacroHelpers = exposeSpringMacroHelpers;
}

/**
 * Apply the given properties to a {@link AbstractTemplateViewResolver}. Use Object in
 * signature to avoid runtime dependency on MVC, which means that the template engine
 * can be used in a non-web application.
 *
 * @param viewResolver the resolver to apply the properties to.
 */
public void applyToViewResolver(Object viewResolver) {

    Assert.isInstanceOf(AbstractTemplateViewResolver.class, viewResolver,
        "ViewResolver is not an instance of AbstractTemplateViewResolver :"+
        + viewResolver);
    AbstractTemplateViewResolver resolver = (AbstractTemplateViewResolver) viewResolver;
    resolver.setPrefix(getPrefix());
    resolver.setSuffix(getSuffix());
    resolver.setCache(isCache());
    resolver.setContentType(getContentType());
    resolver.setViewNames(getViewNames());
    resolver.setExposeRequestAttributes(isExposeRequestAttributes());
    resolver.setAllowRequestOverride(isAllowRequestOverride());
    resolver.setExposeSessionAttributes(isExposeSessionAttributes());
    resolver.setExposeSpringMacroHelpers(isExposeSpringMacroHelpers());
    resolver.setRequestContextAttribute(getRequestContextAttribute());
    // The resolver usually acts as a fallback resolver (e.g. like a
    // InternalResourceViewResolver) so it needs to have low precedence
    resolver.setOrder(Ordered.LOWEST_PRECEDENCE - 5);

}

}

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```

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*/

```

```
package org.springframework.boot.autoconfigure.template;
```

```
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
```

```

/**
 * Indicates the availability of view templates for a particular templating engine such as
 * FreeMarker or Thymeleaf
 *
 * @author Andy Wilkinson
 * @since 1.1.0
 */

```

```
public interface TemplateAvailabilityProvider {
```

```

/**
 * Returns {@code true} if a template is available for the given {@code view}.
 * @param view the view name
 * @param environment the environment
 * @param classLoader the class loader
 * @param resourceLoader the resource loader
 * @return if the template is available
 */

```

```
boolean isTemplateAvailable(String view, Environment environment,
    ClassLoader classLoader, ResourceLoader resourceLoader);
```

```
}
```

```

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*/
```

```
package org.springframework.boot.autoconfigure.groovy.template;
```

```
import groovy.text.markup.MarkupTemplateEngine;
```

```
import java.security.CodeSource;  
import java.security.ProtectionDomain;
```

```
import javax.annotation.PostConstruct;  
import javax.servlet.Servlet;
```

```
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.boot.autoconfigure.AutoConfigureAfter;  
import org.springframework.boot.autoconfigure.condition.ConditionalOnClass;  
import org.springframework.boot.autoconfigure.condition.ConditionalOnMissingBean;  
import org.springframework.boot.autoconfigure.condition.ConditionalOnProperty;  
import org.springframework.boot.autoconfigure.condition.ConditionalOnWebApplication;  
import org.springframework.boot.autoconfigure.template.TemplateLocation;  
import org.springframework.boot.autoconfigure.web.WebMvcAutoConfiguration;  
import org.springframework.boot.context.properties.ConfigurationProperties;  
import org.springframework.boot.context.properties.EnableConfigurationProperties;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.annotation.Bean;  
import org.springframework.context.annotation.Configuration;  
import org.springframework.context.i18n.LocaleContextHolder;  
import org.springframework.core.Ordered;  
import org.springframework.util.Assert;  
import org.springframework.web.servlet.view.UrlBasedViewResolver;  
import org.springframework.web.servlet.view.groovy.GroovyMarkupConfig;  
import org.springframework.web.servlet.view.groovy.GroovyMarkupConfigurer;  
import org.springframework.web.servlet.view.groovy.GroovyMarkupViewResolver;
```

```
/**
```

```
 * Autoconfiguration support for Groovy templates in MVC. By default creates a  
 * {@link MarkupTemplateEngine} configured from {@link GroovyTemplateProperties}, but you  
 * can override that by providing your own {@link GroovyMarkupConfig} or even a  
 * {@link MarkupTemplateEngine} of a different type.
```

```
 *
```

```
 * @author Dave Syer  
 * @author Andy Wilkinson  
 * @author Brian Clozel  
 * @since 1.1.0
```

```
*/
```

```

@Configuration
@ConditionalOnClass(MarkupTemplateEngine.class)
@AutoConfigureAfter(WebMvcAutoConfiguration.class)
@EnableConfigurationProperties(GroovyTemplateProperties.class)
public class GroovyTemplateAutoConfiguration {

    @Configuration
    @ConditionalOnClass(GroovyMarkupConfigurer.class)
    public static class GroovyMarkupConfiguration {

        @Autowired
        private ApplicationContext applicationContext;

        @Autowired
        private GroovyTemplateProperties properties;

        @Autowired(required = false)
        private MarkupTemplateEngine templateEngine;

        @PostConstruct
        public void checkTemplateLocationExists() {
            if (this.properties.isCheckTemplateLocation() && !isUsingGroovyAllJar()) {
                TemplateLocation location = new TemplateLocation(
                    this.properties.getPrefix());
                Assert.state(location.exists(this.applicationContext),
                    "Cannot find template location: " + location
                    + " (please add some templates, check your Groovy "
                    + "configuration, or set spring.groovy.template."
                    + "check-template-location=false)");
            }
        }

        /**
         * MarkupTemplateEngine could be loaded from groovy-templates or groovy-all.
         * Unfortunately it's quite common for people to use groovy-all and not actually
         * need templating support. This method check attempts to check the source jar so
         * that we can skip the { @code /template } folder check for such cases.
         * @return true if the groovy-all jar is used
         */
        private boolean isUsingGroovyAllJar() {
            try {
                ProtectionDomain domain = MarkupTemplateEngine.class
                    .getProtectionDomain();
                CodeSource codeSource = domain.getCodeSource();
                if (codeSource != null
                    && codeSource.getLocation().toString().contains("-all")) {
                    return true;
                }
            }
        }
    }
}

```

```

    }
    catch (Exception ex) {
    }
    return false;
}

@Bean
@ConditionalOnMissingBean(GroovyMarkupConfig.class)
@ConfigurationProperties(prefix = "spring.groovy.template.configuration")
public GroovyMarkupConfigurer groovyMarkupConfigurer() {
    GroovyMarkupConfigurer configurer = new GroovyMarkupConfigurer();
    configurer.setResourceLoaderPath(this.properties.getPrefix());
    configurer.setCacheTemplates(this.properties.isCache());
    if (this.templateEngine != null) {
        configurer.setTemplateEngine(this.templateEngine);
    }
    return configurer;
}

}

@Configuration
@ConditionalOnClass({ Servlet.class, LocaleContextHolder.class,
    UrlBasedViewResolver.class })
@ConditionalOnWebApplication
@ConditionalOnProperty(name = "spring.groovy.template.enabled", matchIfMissing = true)
public static class GroovyWebConfiguration {

    @Autowired
    private GroovyTemplateProperties properties;

    @Bean
    @ConditionalOnMissingBean(name = "groovyMarkupViewResolver")
    public GroovyMarkupViewResolver groovyMarkupViewResolver() {
        GroovyMarkupViewResolver resolver = new GroovyMarkupViewResolver();
        configureViewResolver(resolver);
        return resolver;
    }

    private void configureViewResolver(UrlBasedViewResolver resolver) {
        resolver.setSuffix(this.properties.getSuffix());
        resolver.setCache(this.properties.isCache());
        resolver.setContentType(this.properties.getContentType());
        resolver.setViewNames(this.properties.getViewNames());
        resolver.setRequestContextAttribute("spring");
        // This resolver acts as a fallback resolver (e.g. like a
        // InternalResourceViewResolver) so it needs to have low precedence
        resolver.setOrder(Ordered.LOWEST_PRECEDENCE - 6);
    }
}

```

```

    }

}

}
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 */

package org.springframework.boot.autoconfigure.mustache;

import java.io.InputStreamReader;
import java.io.Reader;

import org.springframework.context.ResourceLoaderAware;
import org.springframework.core.io.DefaultResourceLoader;
import org.springframework.core.io.Resource;
import org.springframework.core.io.ResourceLoader;

import com.samskivert.mustache.Mustache;
import com.samskivert.mustache.Mustache.TemplateLoader;

/**
 * Mustache TemplateLoader implementation that uses a prefix, suffix and the Spring
 * Resource abstraction to load a template from a file, classpath, URL etc. A
 * TemplateLoader is needed in the Compiler when you want to render partials (i.e.
 * tiles-like fetatures).
 *
 * @author Dave Syer
 * @since 1.2.2
 * @see Mustache
 * @see Resource
 */
public class MustacheResourceTemplateLoader implements TemplateLoader,
    ResourceLoaderAware {

```



```

private String prefix = "";

private String suffix = "";

private String charSet = "UTF-8";

private ResourceLoader resourceLoader = new DefaultResourceLoader();

public MustacheResourceTemplateLoader() {
}

public MustacheResourceTemplateLoader(String prefix, String suffix) {
    super();
    this.prefix = prefix;
    this.suffix = suffix;
}

/**
 * @param charSet the charSet to set
 */
public void setCharset(String charSet) {
    this.charSet = charSet;
}

/**
 * @param resourceLoader the resourceLoader to set
 */
@Override
public void setResourceLoader(ResourceLoader resourceLoader) {
    this.resourceLoader = resourceLoader;
}

@Override
public Reader getTemplate(String name) throws Exception {
    return new InputStreamReader(this.resourceLoader.getResource(
        this.prefix + name + this.suffix).getInputStream(), this.charSet);
}

}

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 *
 */

```

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```
package org.springframework.boot.autoconfigure.mustache;
```

```
import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;  
import org.springframework.core.env.Environment;  
import org.springframework.core.io.ResourceLoader;  
import org.springframework.util.ClassUtils;
```

```
/**
```

```
 * {@link TemplateAvailabilityProvider} that provides availability information for  
 * Mustache view templates  
 *  
 * @author Dave Syer  
 * @since 1.2.2  
 */
```

```
public class MustacheTemplateAvailabilityProvider implements TemplateAvailabilityProvider {
```

```
    @Override
```

```
    public boolean isTemplateAvailable(String view, Environment environment,  
        ClassLoader classLoader, ResourceLoader resourceLoader) {  
        if (ClassUtils.isPresent("com.samskivert.mustache.Template", classLoader)) {  
            String prefix = environment.getProperty("spring.mustache.prefix",  
                MustacheProperties.DEFAULT_PREFIX);  
            String suffix = environment.getProperty("spring.mustache.suffix",  
                MustacheProperties.DEFAULT_SUFFIX);  
            return resourceLoader.getResource(prefix + view + suffix).exists();  
        }  
        return false;  
    }  
}
```

```
    }
```

```
    /*
```

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```
package org.springframework.boot.autoconfigure.template;
```

```
import java.io.IOException;
```

```
import org.springframework.core.io.Resource;
```

```
import org.springframework.core.io.ResourceLoader;
```

```
import org.springframework.core.io.support.ResourcePatternResolver;
```

```
import org.springframework.util.Assert;
```

```
/**
```

```
 * Contains a location that templates can be loaded from.
```

```
 *
```

```
 * @author Phillip Webb
```

```
 * @since 1.2.1
```

```
*/
```

```
public class TemplateLocation {
```

```
    private final String path;
```

```
    public TemplateLocation(String path) {
```

```
        Assert.notNull(path, "Path must not be null");
```

```
        this.path = path;
```

```
    }
```

```
/**
```

```
 * Determine if this template location exists using the specified
```

```
 * {@link ResourcePatternResolver}.
```

```
 * @param resolver the resolver used to test if the location exists
```

```
 * @return {@code true} if the location exists.
```

```
*/
```

```
public boolean exists(ResourcePatternResolver resolver) {
```

```
    Assert.notNull(resolver, "Resolver must not be null");
```

```
    if (resolver.getResource(this.path).exists()) {
```

```
        return true;
```

```
    }
```

```
    try {
```

```
        if (anyExists(resolver)) {
```

```
            return true;
```

```
        }
```

```
    }
```

```
    catch (IOException ex) {
```

```
    }
```

```
    return false;
```

```

}

private boolean anyExists(ResourcePatternResolver resolver) throws IOException {
    String searchPath = this.path;
    if (searchPath.startsWith(ResourceLoader.CLASSPATH_URL_PREFIX)) {
        searchPath = ResourcePatternResolver.CLASSPATH_ALL_URL_PREFIX
            + searchPath.substring(ResourceLoader.CLASSPATH_URL_PREFIX.length());
    }
    if (searchPath.startsWith(ResourcePatternResolver.CLASSPATH_ALL_URL_PREFIX)) {
        Resource[] resources = resolver.getResources(searchPath);
        for (Resource resource : resources) {
            if (resource.exists()) {
                return true;
            }
        }
    }
    return false;
}

@Override
public String toString() {
    return this.path;
}

}

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 */

package org.springframework.boot.autoconfigure.velocity;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

```

```

/**
 * {@link TemplateAvailabilityProvider} that provides availability information for
 * Velocity view templates
 *
 * @author Andy Wilkinson
 * @since 1.1.0
 */
public class VelocityTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("org.apache.velocity.app.VelocityEngine", classLoader)) {
            String loaderPath = environment.getProperty(
                "spring.velocity.resourceLoaderPath",
                VelocityProperties.DEFAULT_RESOURCE_LOADER_PATH);
            String prefix = environment.getProperty("spring.velocity.prefix",
                VelocityProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.velocity.suffix",
                VelocityProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(loaderPath + prefix + view + suffix)
                .exists();
        }
        return false;
    }

}

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 */

package org.springframework.boot.autoconfigure.web;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;

```

```

import org.springframework.util.ClassUtils;

/**
 * {@link TemplateAvailabilityProvider} that provides availability information for JSP
 * view templates
 *
 * @author Andy Wilkinson
 * @since 1.1.0
 */
public class JspTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("org.apache.jasper.compiler.JspConfig", classLoader)) {
            String prefix = environment.getProperty("spring.view.prefix",
                WebMvcAutoConfiguration.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.view.suffix",
                WebMvcAutoConfiguration.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }
}

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 */

package org.springframework.boot.autoconfigure.thymeleaf;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

```

```

/**
 * {@link TemplateAvailabilityProvider} that provides availability information for
 * Thymeleaf view templates
 *
 * @author Andy Wilkinson
 * @since 1.1.0
 */
public class ThymeleafTemplateAvailabilityProvider implements
    TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("org.thymeleaf.spring4.SpringTemplateEngine",
            classLoader)) {
            String prefix = environment.getProperty("spring.thymeleaf.prefix",
                ThymeleafProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.thymeleaf.suffix",
                ThymeleafProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }
}

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 */

package org.springframework.boot.autoconfigure.freemarker;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;
import org.springframework.util.ClassUtils;

```

```

/**
 * {@link TemplateAvailabilityProvider} that provides availability information for
 * FreeMarker view templates
 *
 * @author Andy Wilkinson
 * @since 1.1.0
 */
public class FreeMarkerTemplateAvailabilityProvider implements
    TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("freemarker.template.Configuration", classLoader)) {
            String loaderPath = environment.getProperty("spring.freemarker.path",
                FreeMarkerProperties.DEFAULT_TEMPLATE_LOADER_PATH);
            String prefix = environment.getProperty("spring.freemarker.prefix",
                FreeMarkerProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.freemarker.suffix",
                FreeMarkerProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(loaderPath + prefix + view + suffix)
                .exists();
        }
        return false;
    }

}

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 */

package org.springframework.boot.autoconfigure.groovy.template;

import org.springframework.boot.autoconfigure.template.TemplateAvailabilityProvider;
import org.springframework.core.env.Environment;
import org.springframework.core.io.ResourceLoader;

```



```

import org.springframework.util.ClassUtils;

/**
 * {@link TemplateAvailabilityProvider} that provides availability information for Groovy
 * view templates
 *
 * @author Dave Syer
 * @since 1.1.0
 */
public class GroovyTemplateAvailabilityProvider implements TemplateAvailabilityProvider {

    @Override
    public boolean isTemplateAvailable(String view, Environment environment,
        ClassLoader classLoader, ResourceLoader resourceLoader) {
        if (ClassUtils.isPresent("groovy.text.TemplateEngine", classLoader)) {
            String prefix = environment.getProperty("spring.groovy.template.prefix",
                GroovyTemplateProperties.DEFAULT_PREFIX);
            String suffix = environment.getProperty("spring.groovy.template.suffix",
                GroovyTemplateProperties.DEFAULT_SUFFIX);
            return resourceLoader.getResource(prefix + view + suffix).exists();
        }
        return false;
    }
}

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 */
package org.springframework.boot.autoconfigure.groovy.template;

import groovy.text.markup.MarkupTemplateEngine;
import groovy.text.markup.TemplateConfiguration;
import groovy.text.markup.TemplateResolver;

import java.io.IOException;
import java.net.URL;

```

```

import org.springframework.context.i18n.LocaleContextHolder;
import org.springframework.web.servlet.view.groovy.GroovyMarkupConfigurer;
import org.springframework.web.servlet.view.groovy.GroovyMarkupViewResolver;

/**
 * A custom {@link groovy.text.markup.TemplateResolver template resolver} which resolves
 * templates using the locale found in the thread locale. This resolver ignores the
 * template engine configuration locale.
 *
 * @author Cdric Champeau
 * @since 1.1.0
 * @deprecated since 1.2 in favor of Spring 4.1's {@link GroovyMarkupViewResolver} and
 * {@link GroovyMarkupConfigurer}.
 */
@Deprecated
public class GroovyTemplateResolver implements TemplateResolver {

    private ClassLoader templateClassLoader;

    @Override
    public void configure(final ClassLoader templateClassLoader,
        final TemplateConfiguration configuration) {
        this.templateClassLoader = templateClassLoader;
    }

    @Override
    public URL resolveTemplate(final String templatePath) throws IOException {
        MarkupTemplateEngine.TemplateResource templateResource = MarkupTemplateEngine.TemplateResource
            .parse(templatePath);
        URL resource = this.templateClassLoader.getResource(templateResource.withLocale(
            LocaleContextHolder.getLocale().toString().replace("-", "_")).toString());
        if (resource == null) {
            // no resource found with the default locale, try without any locale
            resource = this.templateClassLoader.getResource(templateResource.withLocale(
                null).toString());
        }
        if (resource == null) {
            throw new IOException("Unable to load template:" + templatePath);
        }
        return resource;
    }

}

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```
package org.springframework.boot.autoconfigure.groovy.template;
```

```
import java.util.HashMap;
```

```
import java.util.Map;
```

```
import org.springframework.boot.autoconfigure.template.AbstractViewResolverProperties;
```

```
import org.springframework.boot.context.properties.ConfigurationProperties;
```

```
/**
```

```
 * {@link ConfigurationProperties} for configuring Groovy templates.
```

```
 *
```

```
 * @author Dave Syer
```

```
 * @since 1.1.0
```

```
 */
```

```
@ConfigurationProperties(prefix = "spring.groovy.template", ignoreUnknownFields = false)
```

```
public class GroovyTemplateProperties extends AbstractViewResolverProperties {
```

```
    public static final String DEFAULT_PREFIX = "classpath:/templates/";
```

```
    public static final String DEFAULT_SUFFIX = ".tpl";
```

```
    /**
```

```
     * Prefix that gets prepended to view names when building a URL.
```

```
     */
```

```
    private String prefix = DEFAULT_PREFIX;
```

```
    /**
```

```
     * Suffix that gets appended to view names when building a URL.
```

```
     */
```

```
    private String suffix = DEFAULT_SUFFIX;
```

```
    /**
```

```
     * Configuration to pass to TemplateConfiguration.
```

```
     */
```

```
    private Map<String, Object> configuration = new HashMap<String, Object>();
```

```

public String getPrefix() {
    return this.prefix;
}

public void setPrefix(String prefix) {
    this.prefix = prefix;
}

public String getSuffix() {
    return this.suffix;
}

public void setSuffix(String suffix) {
    this.suffix = suffix;
}

public void setConfiguration(Map<String, Object> configuration) {
    this.configuration = configuration;
}

public Map<String, Object> getConfiguration() {
    return this.configuration;
}
}

```

## 3.75 spring-context 4.1.6

## 3.76 spring-core-4.1.6.RELEASE 4.1.6

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## 3.81 tomcat-embed-core 8.0.23

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## 3.82 tomcat-embed-el 8.0.23

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## 3.85 Type arithmetic library for Java5 1.4

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## 4.5 avahi 0.6.25 :15.el6

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```

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

```
#!/bin/sh
```

```
# $Id$
```

```
#
```

```
# This file is part of avahi.
```

```
#
```

```
# avahi is free software; you can redistribute it and/or modify it  
# under the terms of the GNU Lesser General Public License as  
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```
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```

```
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# Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307  
# USA.
```

```
set -e
```

```
# Command line arguments:
```

```
# $1 event that happened:
```

```
# BIND: Successfully claimed address
```

```
# CONFLICT: An IP address conflict happened
```

```
# UNBIND: The IP address is no longer needed
```

```
# STOP: The daemon is terminating
```

```
# $2 interface name
```

```
# $3 IP address
```

```
# We have the BSD ifconfig tool
```

```
case "$1" in
```

```
BIND)
```

```
    ifconfig "$2" "$3"/16
```

```
;;
```

```

CONFLICT|STOP|UNBIND)
  ifconfig "$2" "$3"/16 delete
  ;;

*)
  echo "Unknown event $1" >&2
  exit 1
  ;;
esac

exit 0

```

## 4.6 axis 1.2.1 :7.5.el6\_5

### 4.6.1 Available under license :

```

/*
 * $Header: /home/cvs/jakarta-commons/discovery/LICENSE.txt,v 1.1 2002/07/25 02:36:45 jvanzyl Exp $
 * $Revision: 1.1 $
 * $Date: 2002/07/25 02:36:45 $
 *
 * =====
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\* \$Revision: 1.1 \$  
\* \$Date: 2005/04/22 14:42:41 \$

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\$Id: build.xml,v 1.1 2004/01/26 15:59:23 dog Exp \$

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# 4.11 cloud-init 0.7.5

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Name: cloud-init

Maintainer: Scott Moser <[scott.moser@canonical.com](mailto:scott.moser@canonical.com)>

Source: <https://launchpad.net/cloud-init>

This package was debianized by Soren Hansen <[soren@ubuntu.com](mailto:soren@ubuntu.com)> on Thu, 04 Sep 2008 12:49:15 +0200 as ec2-init. It was later renamed to cloud-utils by Scott Moser <[scott.moser@canonical.com](mailto:scott.moser@canonical.com)>

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## 4.12 cloud-init 0.7.6~bZR976 :2

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Name: cloud-init

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Source: <https://launchpad.net/cloud-init>

This package was debianized by Soren Hansen <soren@ubuntu.com> on Thu, 04 Sep 2008 12:49:15 +0200 as ec2-init. It was later renamed to cloud-utils by Scott Moser <scott.moser@canonical.com>

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<one line to give the program's name and a brief idea of what it does.>  
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```
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Gnomovision 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.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!  
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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# 4.14 ecj 3.4.2 :6.el6

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## 4.16 fontconfig 2.8.0

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## 4.17 fontpackages-filesystem 1.44 :8.el7

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```

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@smallexample

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@smallexample

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@end smallexample

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@example

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

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## 4.23 hicolor-icon-theme 0.11 :1.1.el6

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<signature of Ty Coon>, 1 April 1989

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## 4.24 iso-codes 3.16 :2.el6

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```
* The apr_md5_encode() routine uses much code obtained from the FreeBSD 3.0
* MD5 crypt() function, which is licenced as follows:
* -----
* "THE BEER-WARE LICENSE" (Revision 42):
* <phk@login.dknet.dk> wrote this file. As long as you retain this notice you
* can do whatever you want with this stuff. If we meet some day, and you think
* this stuff is worth it, you can buy me a beer in return. Poul-Henning Kamp
* -----
*/
```

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```
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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## 4.36 libfontenc 1.0.5 :2.el6

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#

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```

## 4.38 libjpeg-turbo 1.2.1 :3.el6\_5

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The Independent JPEG Group's JPEG software

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## DOCUMENTATION ROADMAP

=====

This file contains the following sections:

OVERVIEW        General description of JPEG and the IJG software.  
LEGAL ISSUES    Copyright, lack of warranty, terms of distribution.  
REFERENCES     Where to learn more about JPEG.  
ARCHIVE LOCATIONS Where to find newer versions of this software.  
FILE FORMAT WARS Software \*not\* to get.  
TO DO          Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt    How to configure and install the IJG software.  
usage.txt     Usage instructions for cjpeg, djpeg, jpegtran,  
              rdjpgcom, and wrjpgcom.  
\*.1          Unix-style man pages for programs (same info as usage.txt).  
wizard.txt    Advanced usage instructions for JPEG wizards only.  
change.log    Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt   How to use the JPEG library in your own programs.  
example.c     Sample code for calling the JPEG library.  
structure.txt Overview of the JPEG library's internal structure.  
filelist.txt   Road map of IJG files.  
coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information  
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See  
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or  
more of the REFERENCES, then looking at the documentation files (in roughly  
the order listed) before diving into the code.

## OVERVIEW

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This package contains C software to implement JPEG image encoding, decoding,  
and transcoding. JPEG (pronounced "jay-peg") is a standardized compression

method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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## REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>. A PostScript version of the JFIF document is available at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.iijg.org](http://www.iijg.org).  
The most recent released version can always be found there in  
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The JPEG FAQ (Frequently Asked Questions) article is a source of some  
general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/>  
and other news.answers archive sites, including the official news.answers  
archive at [rtfm.mit.edu](http://rtfm.mit.edu): <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>.  
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#### FILE FORMAT WARS

=====

The ISO JPEG standards committee actually promotes different formats like  
"JPEG 2000" or "JPEG XR", which are incompatible with original DCT-based  
JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed,  
one of the original reasons for developing this free software was to help  
force convergence on common, interoperable format standards for JPEG files.  
Don't use an incompatible file format!  
(In any case, our decoder will remain capable of reading existing JPEG  
image files indefinitely.)

#### TO DO

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Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

## 4.39 libjpeg-turbo 1.2.90

### 4.39.1 Available under license :

```
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```

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libjpeg-turbo note: This file contains portions of the libjpeg v6b and v8 README files, with additional wordsmithing by The libjpeg-turbo Project. It is included only for reference, as some parts of it may not apply to libjpeg-turbo. Please see README-turbo.txt for information specific to libjpeg-turbo.

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=====

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IJG is not affiliated with the official ISO JPEG standards committee.

#### DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW        General description of JPEG and the IJG software.  
LEGAL ISSUES    Copyright, lack of warranty, terms of distribution.  
REFERENCES     Where to learn more about JPEG.  
ARCHIVE LOCATIONS Where to find newer versions of this software.  
FILE FORMAT WARS Software \*not\* to get.  
TO DO           Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt     How to configure and install the IJG software.  
usage.txt       Usage instructions for cjpeg, djpeg, jpegtran,  
                 rdjpgcom, and wrjpgcom.  
\*.1             Unix-style man pages for programs (same info as usage.txt).  
wizard.txt      Advanced usage instructions for JPEG wizards only.  
change.log      Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt    How to use the JPEG library in your own programs.  
example.c      Sample code for calling the JPEG library.  
structure.txt   Overview of the JPEG library's internal structure.  
filelist.txt    Road map of IJG files.  
coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

=====

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images,

very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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## REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>. A PostScript version of the JFIF document is available at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org). The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsr.v8d.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr8d.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/>

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#### FILE FORMAT WARS

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(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

#### TO DO

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Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

## 4.40 libmpc 1.0.1

### 4.40.1 Available under license :

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@c ispell-local-pdict: "ispell-dict"

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```
cat libselinux-2.0.94/libselinux-2.0.94/utils/avcstat.c
```

```
/*
```

```
* avcstat - Display SELinux avc statistics.
```

```
*
```

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```
cat libselinux-2.0.94/libselinux-2.0.94/utils/avcstat.c
```

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/*
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```
* avcstat - Display SELinux avc statistics.
```

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*
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*/
```

## 4.42 libSM 1.2.1 :2.e16

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## 4.44 libtiff 3.9.4 :10.e16\_5

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## 4.50 libXcursor 1.1.14 :2.1.el6

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## 4.52 libXfixes 5.0.1 :2.1.e16

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## 4.53 libXinerama 1.1.3 :2.1.el6

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## 4.55 libXtst 1.2.2 :2.1.el6

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## 4.56 libyam1 0.1.3 :4.el6\_6

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```
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/*  
* imap_gssapi.c is partially derived from sample code in:  
* GSS-API Programming Guide  
* Part No: 816-1331-11  
* Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.  
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Network Working Group     H. Krawczyk  
Request for Comments: 2104     IBM  
Category: Informational     M. Bellare  
                              UCSD  
                              R. Canetti  
                              IBM  
                              February 1997

## HMAC: Keyed-Hashing for Message Authentication

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### Appendix -- Sample Code

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Version 3, 29 June 2007

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```
#!/bin/sh
```

```
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```

```
# ck-copyright-notice can be run from the tools directory
dir=`pwd`
[ -d src ] || [ "`basename "$dir"`" != tools ] || cd ..
```

```
# Note: if paragraphs are reformatted, this may need to be updated.
```

```
lgpl="`sed -n '/version [0-9.]* or any later version/ {
s/.*version //
s/ or.*//
p
q
}` doc/mpfr.texi`"
```

```
# Do not use "find ... | while read file do ... done" because the "do"
# part needs to be run in the current shell, and some shells behave in
# a different way.
```

```
srctests=`find src tests -name '*.[ch]`
```

```
err=0
for file in $srctests
do
y=""
case $file in
tests/RRTest.c)
```

```

# This file doesn't have a copyright notice, but isn't distributed.
continue ;;
src/mpfr-longlong.h)
# This file (which comes from GMP) has a specific copyright notice.
continue ;;
src/get_patches.c)
file="tools/get_patches.sh" ;;
*/mparam.h)
y="2005," ;;
esac
grep -q "Copyright $y.* Free Software Foundation" "$file" && \
grep -q "GNU MPFR Library" "$file" && \
grep -q "either version $lgpl of the License" "$file" && continue
echo "Possibly missing or incorrect copyright notice in $file"
err=1
done

```

```

exit $err
@c MPFR tweak: Have this in mpfr.texi to help texinfo-mode
@c @node GNU Free Documentation License
@c @appendixsec GNU Free Documentation License

```

```

@cindex GNU Free Documentation License
@center Version 1.2, November 2002

```

```

@display
Copyright @copyright{ } 2000,2001,2002 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

```

```

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```

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```
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```
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## 4.73 python-IPy 0.75 :6.el7

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## 4.88 rsyslog 5.8.10 :10.el6\_6

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## 4.91 setools-libs-python 3.3.7 :4.e16

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```
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```
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```

```
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## 4.93 ttmkfdir 3.0.9 :32.1.el6

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=====

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Yu Shao <yshao@redhat.com>

8 January 2003

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Version 2, June 1991

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## 4.94 wsdl4j 1.5.2 :7.8.e16

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## 5.8 Class Model for Hk2 2.4.0-b06

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# 5.11 commons-beanutils 1.8.3

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 */
```

```
package com.google.gson.internal;
```

```
import java.lang.reflect.Type;
import java.util.Collections;
import java.util.HashMap;
import java.util.Map;
```



```

/**
 * Contains static utility methods pertaining to primitive types and their
 * corresponding wrapper types.
 *
 * @author Kevin Bourrillion
 */
public final class Primitives {
    private Primitives() {}

    /** A map from primitive types to their corresponding wrapper types. */
    private static final Map<Class<?>, Class<?>> PRIMITIVE_TO_WRAPPER_TYPE;

    /** A map from wrapper types to their corresponding primitive types. */
    private static final Map<Class<?>, Class<?>> WRAPPER_TO_PRIMITIVE_TYPE;

    // Sad that we can't use a BiMap. :(

    static {
        Map<Class<?>, Class<?>> primToWrap = new HashMap<Class<?>, Class<?>>(16);
        Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>(16);

        add(primToWrap, wrapToPrim, boolean.class, Boolean.class);
        add(primToWrap, wrapToPrim, byte.class, Byte.class);
        add(primToWrap, wrapToPrim, char.class, Character.class);
        add(primToWrap, wrapToPrim, double.class, Double.class);
        add(primToWrap, wrapToPrim, float.class, Float.class);
        add(primToWrap, wrapToPrim, int.class, Integer.class);
        add(primToWrap, wrapToPrim, long.class, Long.class);
        add(primToWrap, wrapToPrim, short.class, Short.class);
        add(primToWrap, wrapToPrim, void.class, Void.class);

        PRIMITIVE_TO_WRAPPER_TYPE = Collections.unmodifiableMap(primToWrap);
        WRAPPER_TO_PRIMITIVE_TYPE = Collections.unmodifiableMap(wrapToPrim);
    }

    private static void add(Map<Class<?>, Class<?>> forward,
        Map<Class<?>, Class<?>> backward, Class<?> key, Class<?> value) {
        forward.put(key, value);
        backward.put(value, key);
    }

    /**
     * Returns true if this type is a primitive.
     */
    public static boolean isPrimitive(Type type) {
        return PRIMITIVE_TO_WRAPPER_TYPE.containsKey(type);
    }
}

```

```

/**
 * Returns {@code true} if {@code type} is one of the nine
 * primitive-wrapper types, such as {@link Integer}.
 *
 * @see Class#isPrimitive
 */
public static boolean isWrapperType(Type type) {
    return WRAPPER_TO_PRIMITIVE_TYPE.containsKey(
        $Gson$Preconditions.checkNotNull(type));
}

/**
 * Returns the corresponding wrapper type of {@code type} if it is a primitive
 * type; otherwise returns {@code type} itself. Idempotent.
 *
 * <pre>
 * wrap(int.class) == Integer.class
 * wrap(Integer.class) == Integer.class
 * wrap(String.class) == String.class
 * </pre>
 */
public static <T> Class<T> wrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> wrapped = (Class<T>) PRIMITIVE_TO_WRAPPER_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (wrapped == null) ? type : wrapped;
}

/**
 * Returns the corresponding primitive type of {@code type} if it is a
 * wrapper type; otherwise returns {@code type} itself. Idempotent.
 *
 * <pre>
 * unwrap(Integer.class) == int.class
 * unwrap(int.class) == int.class
 * unwrap(String.class) == String.class
 * </pre>
 */
public static <T> Class<T> unwrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> unwrapped = (Class<T>) WRAPPER_TO_PRIMITIVE_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (unwrapped == null) ? type : unwrapped;
}
}
}

```

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## 5.55 Logback Core Module 1.1.3

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 */

/*
 * @(#)IllegalWriteException.java 1.5 05/08/29
 *
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 */

package javax.mail;

/**
 * The exception thrown when a write is attempted on a read-only attribute
 * of any Messaging object.
 *
 * @author John Mani
 */

public
```

```

class IllegalWriteException extends MessagingException {

    private static final long serialVersionUID = 3974370223328268013L;

    /**
     * Constructs a IllegalWriteException with no detail message.
     */
    public IllegalWriteException() {
        super();
    }

    /**
     * Constructs a IllegalWriteException with the specified detail message.
     * @param s the detail message
     */
    public IllegalWriteException(String s) {
        super(s);
    }
}

```

## 5.57 osgi-resource-locator 1.0.1

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```

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## 5.60 Run Level Service 2.4.0-b06

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## 2.4.0-b06

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## 5.63 slf4j-api 1.7.11

## 5.64 SnakeYAML 1.14

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## 5.67 Spring Beans 4.1.6.RELEASE

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## 5.70 spring-aop 4.1.6

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## 5.85 tomcat-embed-core 8.0.20

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- web-app\_3\_0.xsd
- 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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## 5.88 tomcat-embed-logging-juli 7.0.34

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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This option is useful when you wish to copy part of the code of

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy,

and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library

with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if

the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any



attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing

to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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#### END OF TERMS AND CONDITIONS

Google App Engine Terms of Service

Your Agreement with Google

This License Agreement for Google App Engine (the "Agreement") is made and entered into by and between Google Inc., a Delaware corporation, with offices at 1600 Amphitheatre Parkway, Mountain View 94043 ("Google") and the business entity agreeing to these terms ("Customer"). This Agreement is effective as of the date Customer clicks the "I Accept" button below (the "Effective Date"). If you are accepting on behalf of Customer, you represent and warrant that: (i) if you have full legal authority to bind Customer to this Agreement; (ii) you have read and understand this Agreement; and (iii) you agree, on behalf of Customer, to this Agreement. If you do not have the legal authority to bind Customer, please do not click the "I Accept" button below. This Agreement governs Customer's access to and use of the Service.

#### 1. Licenses.

1.1 From Google to Customer. Subject to this Agreement, Google grants to Customer a worldwide, non-sublicensable, non-transferable, non-exclusive, terminable, limited license to (a) use the Service, (b) integrate the Service into any Application and provide the Service, solely as integrated into the Application, to users of the Application and (c) use any Software provided by Google as part of the Service.

1.2 From Customer to Google. By submitting, posting, generating or displaying any Application and/or Customer Data on or through the Service, Customer gives Google a worldwide, non-sublicensable, non-transferable, non-exclusive, terminable, limited license to reproduce, adapt, modify, translate, publish, publicly perform, publicly display and distribute any Application and/or including Customer Data for the sole purpose of enabling Google to provide Customer with the Service in accordance with the Agreement.

Provision of the Service.

2.1 Console. Google will provide the Service to Customer. As part of receiving the Service, Customer will have access to the Admin Console, through which Customer may administer the Service.

2.2 Facilities and Data Transfer. All facilities used to store and process an Application and Customer Data will adhere to reasonable security standards no less protective than the security standards at facilities where Google processes and stores its own information of a similar type. Google has implemented at least industry standard systems and procedures to ensure the security and confidentiality of an Application and Customer Data, protect against anticipated threats or hazards to the security or integrity of an Application and Customer Data, and protect against unauthorized access to or use of an Application and Customer Content. Google may process and store an Application and Customer Data in the United States or any other country in which Google or its agents maintain facilities. By using the Service, Customer consents to this processing and storage of an Application and Customer Data. The parties agree that Google is merely a data processor.

### 2.3 Data Storage Selection.

Data Storage. Customer may select via the Service whether the Core App Engine End User Data will be stored permanently, at rest, in either the United States or the European Union, and Google will store it accordingly ("App Engine Data Location Setting"). If no selection is made, Core App Engine End User Data will be stored permanently, at rest, in the United States.

Transient Storage. Core App Engine End User Data may be stored transiently or cached in any country in which Google or its agents maintain facilities before reaching permanent storage.

Limitations. No App Engine Data Location Setting will apply to Core App Engine End User Data copied in another location or used with other Google products and services (including any other Google Cloud Platform services). If so, the Core App Engine End User Data will be processed and stored pursuant to Section 2.2 of this Agreement.

2.4 Accounts. Customer must have an Account to use the Service, and is responsible for the information it provides to create the Account, the security of its passwords for the Account, and for any use of its Account. If Customer becomes aware of any unauthorized use of its password or its Account, Customer will notify Google as promptly as possible.

2.5 Privacy Policies. The Service is subject to Google's Privacy Policy. Changes to the Privacy Policy will be made as stated in the applicable policy. In addition, Google is enrolled in the U.S. Department of Commerce Safe Harbor Program and will remain enrolled in this program or another replacement program (or will adopt a compliance solution which achieves compliance with the terms of Article 25 of Directive 95/46/EC) throughout the Term of the Agreement.

2.6 New Applications. Google may make new applications, tools, features or functionality available from time to time through the Service, the use of which may be contingent upon Customer's agreement to additional terms.

2.7 Modifications.

To the Service. Subject to Section 9.4 (Termination for Convenience), Google may make commercially reasonable Updates to the Service from time to time. If Google makes a material change to the Service, Google will inform Customer, provided that Customer has subscribed with Google to be informed about such change.

To the Agreement. Google may make changes to this Agreement, including pricing from time to time. Unless otherwise noted by Google, material changes to the Agreement will become effective 90 days after they are posted, except if the changes apply to new functionality in which case they will be effective immediately. If Customer does not agree to the revised Agreement, please stop using the Service. Google will post any modification to this Agreement to the Terms URL.

### 3. Payment Terms.

3.1 Free Quota. The Service is provided to Customer without charge up to the Fee Threshold.

3.2 Online Billing. Google will issue an electronic bill to Customer for all charges accrued above the Fee Threshold. Fees are solely based on Google's measurements of Customer's use of the Service, may include monthly fees, and Google's determination is final. For use above the Fee Threshold, Customer shall be responsible for all Fees up to the amount set in the Account and shall pay all Fees in U.S. Dollars or in such other currency as agreed to in writing by the parties. Customer shall pay all Fees in accordance with the payment terms in the Service FAQ.

3.3 Delinquent Payments. Late payments may bear interest at the rate of 1.5% per month (or the highest rate permitted by law, if less). Google reserves the right to suspend your Account for any late payments.

3.4 Taxes. Customer is responsible for any Taxes, and Customer will pay Google for the Services without any reduction for Taxes. If Google is obligated to collect or pay Taxes, the Taxes will be invoiced to Customer, unless Customer provides Google with a timely and valid tax exemption certificate authorized by the appropriate taxing authority. In some states the sales tax is due on the total purchase price at the time of sale and must be invoiced and collected at the time of the sale. If Customer is required by law to withhold any Taxes from its payments to Google, Customer must provide Google with an official tax receipt or other appropriate documentation to support such withholding payments.

3.5 Invoice Disputes & Refunds. To the fullest extent permitted by law, Customer waives all claims relating to Fees unless claimed within sixty days after charged (this does not affect any Customer rights with its credit card issuer). Refunds (if any) are at the discretion of Google and will only be in the form of credit for the Service. Nothing in this Agreement obligates Google to extend credit to any party.

#### 4. Customer Obligations.

4.1 Compliance. Customer is solely responsible for its Applications and Customer Data, and for making sure its Applications or Customer Data comply with the Acceptable Use Policy. Google reserves the right to review the Application or Customer Data to ensure Customer's compliance with the Acceptable Use Policy. Customer is responsible for ensuring all End Users comply with Customer's obligations under the Agreement.

4.2 Privacy. Customer will protect the privacy and legal rights of its End Users under all applicable laws and regulations, which includes a legally adequate privacy notice communicated from Customer. Customer may have the ability to access, monitor, use, or disclose Customer Data submitted by End Users through the Service. Customer will obtain and maintain any required consents from End Users to allow Customer's access, monitoring, use and disclosure of Customer Data. Further, Customer will notify its End Users that any Customer Data provided as part of the Service will be made available to a third party as part of Google providing the Service.

4.3 Restrictions. Customer will not, and will not allow third parties under its control to: (a) copy, modify, create a derivative work of, reverse engineer, decompile, translate, disassemble, or otherwise attempt to extract the source code of the Service or any component thereof (subject to Section 4.4 below); (b) use the Service for High Risk Activities; (c) sublicense, resell, or distribute the Service or any component thereof separate from any integrated Application; (d) use the Service to create, train, or improve (directly or indirectly) a substantially similar product or service, including any other machine translation engine; (e) create multiple Applications or Accounts to simulate or act as a single Application or Account (respectively) or otherwise access the Service in a manner intended to avoid incurring Fees; (f) use the Service to operate or enable any telecommunications service or in connection with any Application that allows End Users to place calls to or to receive calls from any public switched telephone network; or (g) process or store any Customer Data that is subject to the International Traffic in Arms Regulations maintained by the Department of State. Customer acknowledges that the Service is not HIPAA compliant and Customer is solely responsible for any applicable compliance with HIPAA.

4.4 Open Source Components. Open source software licenses for components of the Service released under an open source license constitute separate written agreements. Open source software is listed in the Documentation. To the limited extent the open source software licenses expressly supersede this Agreement, the open source license instead governs Customer's agreement with Google for the specific included open source components of the Service, or use of the Service (as may be applicable).

4.5 Documentation. Google may provide Documentation for Customer's use of the

Service. The Documentation may specify restrictions (e.g. attribution of HTML restrictions) on how the Applications may be built or the Service may be used and Customer agrees to comply with any such restrictions specified.

4.6 DMCA Policy. Google provides information to help copyright holders manage their intellectual property online, but Google cannot determine whether something is being used legally or not without their input. Google responds to notices of alleged copyright infringement and terminates accounts of repeat infringers according to the process set out in the U.S. Digital Millennium Copyright Act. If Customer thinks somebody is violating Customer's or its End Users' copyrights and wants to notify Google, Customer can find information about submitting notices, and Google's policy about responding to notices at <http://www.google.com/dmca.html>.

4.7 Application and No Multiple Accounts, Bills. Any Application must have material value independent from the Services. Google has no obligation to provide multiple bills or Accounts to Customer under the Agreement.

## 5. Suspension and Removals.

5.1 Suspension/Removals. If Customer becomes aware that any Application or an End User's use of an Application, or Customer Data violates the Acceptable Use Policy, Customer will immediately suspend the Application, remove the applicable Customer Data, or suspend access to an End User (as may be applicable). If Customer fails to suspend or remove as noted in the prior sentence, Google may specifically request that Customer do so. If Customer fails to comply with Google's request to do so within twenty-four hours, then Google may suspend Google accounts of the applicable End Users, disable the Application, and/or disable the Account (as may be applicable) until such violation is corrected.

5.2 Emergency Security Issues. Despite the foregoing, if there is an Emergency Security Issue, then Google may automatically suspend the offending End User account, Application or the Account. Suspension will be to the minimum extent required, and of the minimum duration, to prevent or terminate the Emergency Security Issue. If Google suspends an End User account or the Application or Account, for any reason, without prior notice to Customer, at Customer's request, Google will provide Customer the reason for the suspension as soon as is reasonably possible.

## 6. Intellectual Property Rights; Brand Features.

6.1 Intellectual Property Rights. Except as expressly set forth herein, this Agreement does not grant either party any rights, implied or otherwise, to the other's content or any of the other's intellectual property. As between the parties, Customer owns all Intellectual Property Rights in any Application and Customer Content, and Google owns all Intellectual Property Rights in the Service.

6.2 Brand Features Limitation. If Customer wants to display Google Brand Features in connection with its use of the Service, Customer must obtain written

permission from Google through process specified in the Trademark Guidelines. For the sole purpose of providing the Service, Customer permits Google to display any Brand Features that may appear in its Application. Any use of a party's Brand Features will inure to the benefit of the party holding Intellectual Property Rights to those Brand Features. A party may revoke the other party's right to use its Brand Features pursuant to this Agreement with written notice to the other and a reasonable period to stop the use.

## 7. Technical Support Service

7.1 By Customer. Customer is responsible for technical support of its Application.

## 7.2 Deprecation Policy.

Google will announce if we intend to discontinue or make backwards incompatible changes to this API or Service. We will use commercially reasonable efforts to continue to operate that Service without these changes until the later of: (i) one year after the announcement or (ii) April 20, 2015, unless (as Google determines in its reasonable good faith judgment):

required by law or third party relationship (including if there is a change in applicable law or relationship), or  
doing so could create a security risk or substantial economic or material technical burden.

This Deprecation Policy doesn't apply to versions, features, and functionality labeled as "experimental."

## 8. Confidential Information.

8.1 Obligations. The recipient of the other party's Confidential Information will not disclose the Confidential Information, except to Affiliates, employees, agents, or professional advisors who need to know it and who have agreed in writing (or in the case of professional advisors are otherwise bound) to keep it confidential. The recipient will ensure that those people and entities use the Confidential Information only to exercise rights and fulfill obligations under this Agreement, while using reasonable care to keep it confidential. The recipient may also disclose Confidential Information when required by law after giving reasonable notice to the discloser if allowed by law. The recipient may also disclose Confidential Information to the extent required by applicable Legal Process; provided that the recipient uses commercially reasonable efforts to: (i) promptly notify the other party of such disclosure before disclosing; and (ii) comply with the other party's reasonable requests regarding its efforts to oppose the disclosure. Notwithstanding the foregoing, subsections (i) and (ii) above will not apply if the recipient determines that complying with (i) and (ii) could: (a) result in a violation of Legal Process; (b) obstruct a governmental investigation; and/or (c) lead to death or serious physical harm to an individual. As between the parties, Customer is responsible for responding to



all third party requests concerning its use and its End Users' use of the Services.

## 9. Term and Termination.

9.1 Agreement Term. The license granted in this Agreement will remain in effect, unless terminated earlier as set forth in this Agreement.

9.2 Termination for Breach. Either party may terminate this Agreement for breach if: (i) the other party is in material breach of the Agreement and fails to cure that breach within thirty days after receipt of written notice; (ii) the other party ceases its business operations or becomes subject to insolvency proceedings and the proceedings are not dismissed within ninety days; or (iii) the other party is in material breach of this Agreement more than two times notwithstanding any cure of such breaches.

9.3 Termination for Inactivity. Google reserves the right to terminate the Service for inactivity, if, for a period exceeding ninety days, Customer (a) has failed to access the Admin Console, (b) an Application has not served any requests, and (c) no electronic bills are being generated.

9.4 Termination for Convenience. Customer may stop using the Service at any time. Customer may terminate this Agreement for convenience at any time on prior written notice and upon termination, must cease use of the Service. Google may terminate this Agreement for its convenience at any time without liability to Customer. Subject to Section 7.2, Google may discontinue the Service or any portion or feature for any reason at any time without liability to Customer.

9.5 Effects of Termination. If the Agreement expires or is terminated, then: (i) the rights granted by one party to the other will immediately cease; (ii) all Fees (including Taxes) owed by Customer to Google are immediately due upon receipt of the final electronic bill; (iii) Customer will delete the Software, any Application and any Customer Data; and (iv) upon request, each party will use commercially reasonable efforts to return or destroy all Confidential Information of the other party.

## 10. Publicity.

Customer is permitted to state publicly that it is a customer of the Service, consistent with the Trademark Guidelines. Customer agrees that Google may include Customer's name or Brand Features in a list of Google customers, online or promotional materials. Customer also agrees that Google may verbally reference Customer as a customer of the Google products or services that are the subject of this Agreement. This section is subject to the "Brand Features Limitation" section of the Agreement. For clarification, neither party needs to seek approval from the other if the party is repeating a public statement that is substantially similar to a public statement that has been previously approved.

## 11. Representations.

Each party represents that: (a) it has full power and authority to enter into the Agreement; and (b) it will comply with all laws and regulations applicable to its provision, or use, of the Service, as applicable. Google warrants it will provide the Service in accordance with the applicable SLA.

## 12. Disclaimer.

EXCEPT AS EXPRESSLY PROVIDED FOR HEREIN, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, GOOGLE DOES NOT MAKE ANY OTHER WARRANTY OF ANY KIND, WHETHER EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR USE AND NONINFRINGEMENT.

GOOGLE IS NOT RESPONSIBLE OR LIABLE FOR THE DELETION OF OR FAILURE TO STORE ANY CONTENT AND OTHER COMMUNICATIONS MAINTAINED OR TRANSMITTED THROUGH USE OF THE SERVICE. CUSTOMER IS SOLELY RESPONSIBLE FOR SECURING AND BACKING UP ITS APPLICATION AND CUSTOMER CONTENT. GOOGLE DOES NOT WARRANT THAT THE OPERATION OF THE SOFTWARE OR THE SERVICE WILL BE ERROR-FREE OR UNINTERRUPTED. NEITHER THE SOFTWARE NOR THE SERVICE ARE DESIGNED, MANUFACTURED, OR INTENDED FOR HIGH RISK ACTIVITIES.

## 13. Limitation of Liability.

13.1 Limitation on Indirect Liability. TO THE MAXIMUM EXTEND PERMITTED BY APPLICABLE LAW, NEITHER PARTY, NOR GOOGLE'S SUPPLIERS, WILL BE LIABLE UNDER THIS AGREEMENT FOR LOST REVENUES OR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES, EVEN IF THE PARTY KNEW OR SHOULD HAVE KNOWN THAT SUCH DAMAGES WERE POSSIBLE AND EVEN IF DIRECT DAMAGES DO NOT SATISFY A REMEDY.

13.2 Limitation on Amount of Liability. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, NEITHER PARTY, NOR GOOGLE'S SUPPLIER'S, MAY BE HELD LIABLE UNDER THIS AGREEMENT FOR MORE THAN THE AMOUNT PAID BY CUSTOMER TO GOOGLE DURING THE TWELVE MONTHS PRIOR TO THE EVENT GIVING RISE TO LIABILITY.

13.3 Exceptions to Limitations. These limitations of liability do not apply to breaches of confidentiality obligations, violations of a party's Intellectual Property Rights by the other party, or indemnification obligations.

## 14. Indemnification.

14.1 By Customer. Customer will indemnify, defend, and hold harmless Google from and against all liabilities, damages, and costs (including settlement costs and reasonable attorneys' fees) arising out of a third party claim: (i) regarding any Application or Customer Content; (ii) that Customer Brand Features infringe or misappropriate any patent, copyright, trade secret or trademark of a third party; or (iii) regarding Customer's, or its End Users', use of the Service in violation of the Acceptable Use Policy.

14.2 By Google. Google will indemnify, defend, and hold harmless Customer from and against all liabilities, damages, and costs (including settlement costs and

reasonable attorneys' fees) arising out of a third party claim that Google's technology used to provide the Service (excluding any open source software) or any Google Brand Feature infringes or misappropriates any patent, copyright, trade secret or trademark of such third party. Notwithstanding the foregoing, in no event shall Google have any obligations or liability under this Section arising from: (i) use of any Service or Google Brand Features in a modified form or in combination with materials not furnished by Google, and (ii) any Customer Content.

#### 14.3 Possible Infringement.

**Repair, Replace, or Modify.** If Google reasonably believes the Service infringes a third party's Intellectual Property Rights, then Google will: (a) obtain the right for Customer, at Google's expense, to continue using the Service; (b) provide a non-infringing functionally equivalent replacement; or (c) modify the Service so that it no longer infringes.

**Suspension or Termination.** If Google does not believe the foregoing options are commercially reasonable, then Google may suspend or terminate Customer's use of the impacted Service.

**14.4 General.** As a condition to indemnification for a claim, the party seeking indemnification must promptly notify the other party of the claim in writing and cooperate with the other party in defending the claim. The indemnifying party has full control and authority over the defense, except that: (a) any settlement requiring the party seeking indemnification to admit liability or to pay any money will require that party's prior written consent, such consent not to be unreasonably withheld or delayed; and (b) the other party may join in the defense with its own counsel at its own expense. Notwithstanding the foregoing, if the indemnified party settles without the prior written consent of the indemnifying party, the indemnifying party has no obligation of contribution.

**THE INDEMNITIES ABOVE ARE THE ONLY REMEDY UNDER THIS AGREEMENT FOR VIOLATION OF A THIRD PARTY'S INTELLECTUAL PROPERTY RIGHTS.**

#### 15. Government Purposes (applicable to United States government customers only).

The Service was developed solely at private expense and is commercial computer software and related documentation within the meaning of the applicable civilian and military Federal acquisition regulations and any supplements thereto. If the user of the Service is an agency, department, employee, or other entity of the United States Government, under FAR 12.212 and DFARS 227.7202, the use, duplication, reproduction, release, modification, disclosure, or transfer of the Service, including technical data or manuals, is governed by the terms and conditions contained in this Agreement, which is Google's standard commercial license agreement.

#### 16. Miscellaneous.

**16.1 Notices.** All notices must be in writing and addressed to the other party's legal department and primary point of contact. The email address for notices being sent to Google's Legal Department is legal-notices@google.com. Notice will

be treated as given: (a) on receipt as verified by written automated receipt or by electronic log (as applicable).

16.2 Assignment. Neither party may assign any part of this Agreement without the written consent of the other, except to an Affiliate where: (a) the assignee has agreed in writing to be bound by the terms of this Agreement; (b) the assigning party remains liable for obligations under the Agreement if the assignee defaults on them; and (c) the assigning party has notified the other party of the assignment. Any other attempt to assign is void.

16.3 Change of Control. If a party experiences a change of Control (for example, through a stock purchase or sale, merger, or other form of corporate transaction): (a) that party will give written notice to the other party within thirty days after the change of Control; and (b) the other party may immediately terminate this Agreement any time between the change of Control and thirty days after it receives that written notice.

16.4 Force Majeure. Neither party will be liable for failure or delay in performance to the extent caused by circumstances beyond its reasonable control.

16.5 No Agency. This Agreement does not create any agency, partnership or joint venture between the parties.

16.6 No Waiver. Neither party will be treated as having waived any rights by not exercising (or delaying the exercise of) any rights under this Agreement.

16.7 Severability. If any term (or part of a term) of this Agreement is invalid, illegal or unenforceable, the rest of the Agreement will remain in effect.

16.8 No Third-Party Beneficiaries. This Agreement does not confer any benefits on any third party unless it expressly states that it does.

16.9 Equitable Relief. Nothing in this Agreement will limit either party's ability to seek equitable relief.

16.10 Governing Law.

For City, County, and State Government Entities. If Customer is a city, county or state government entity, then the parties agree to remain silent regarding governing law and venue.

For Federal Government Entities. If Customer is a federal government entity then the following applies: ALL CLAIMS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SERVICE WILL BE GOVERNED BY THE LAWS OF THE UNITED STATES OF AMERICA, EXCLUDING ITS CONFLICT OF LAWS RULES. SOLELY TO THE EXTENT PERMITTED BY FEDERAL LAW: (I) THE LAWS OF THE STATE OF CALIFORNIA (EXCLUDING CALIFORNIA'S CONFLICT OF LAWS RULES) WILL APPLY IN THE ABSENCE OF APPLICABLE FEDERAL LAW; AND (II) FOR ALL CLAIMS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SERVICE, THE PARTIES CONSENT TO PERSONAL JURISDICTION IN, AND THE EXCLUSIVE VENUE OF, THE

## COURTS IN SANTA CLARA COUNTY, CALIFORNIA.

For All Other Entities. If Customer is any entity not set forth in Section 16.10(a) or (b) then the following applies: ALL CLAIMS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SERVICE WILL BE GOVERNED BY CALIFORNIA LAW, EXCLUDING THAT STATE'S CONFLICT OF LAWS RULES, AND WILL BE LITIGATED EXCLUSIVELY IN THE FEDERAL OR STATE COURTS OF SANTA CLARA COUNTY, CALIFORNIA, USA;THE PARTIES CONSENT TO PERSONAL JURISDICTION IN THOSE COURTS.

16.11 Amendments. Any amendment must be in writing, signed by both parties, and expressly state that it is amending this Agreement.

16.12 Survival. The following Sections will survive expiration or termination of this Agreement: 6.1 (Intellectual Property Rights), 8 (Confidential Information), 9.5 (Effects of Termination), 13 (Limitation of Liability), 14 (Indemnification) and 16 (Miscellaneous).

16.13 Entire Agreement. This Agreement supersedes all other agreements between the parties relating to its subject matter. In entering into this Agreement, neither party has relied on, and neither party will have any right remedy based on, any statement, representation or warranty (whether made negligently or innocently), except those expressly set out in this Agreement. The terms located at a URL referenced in this Agreement and the Documentation are hereby incorporated by this reference. After the Effective Date, Google may provide Customer with an updated URL in place of any URL in this Agreement.

16.14 Interpretation of Conflicting Terms. If there is a conflict among the documents that make up this Agreement, the documents will control in the following order: the Agreement, and the terms located at any URL.

16.15 Counterparts. The parties may execute this Agreement in counterparts, including facsimile, PDF and other electronic copies, which taken together will constitute one instrument.

16.16 Definitions.

"Acceptable Use Policy" means the acceptable use policy set forth here:  
<http://developers.google.com/cloud/terms/aup>.

"Account" means Customer's Google account (either gmail.com address or an Email address provided under the

"Google Apps" product line); subject to those terms of service, as may be applicable.

"Admin Console" means the online tool provided by Google to Customer for administering the Service.

"Affiliate" means any entity that directly or indirectly controls, is controlled by, or is under common control with a party.

"Application(s)" means any web application Customer creates using the Service, including any source code written by Customer to be used with the Service.

"Brand Features" means the trade names, trademarks, service marks, logos, domain names, and other distinctive brand features of each party, respectively, as secured by such party from time to time.

"Confidential Information" means information that one party (or an Affiliate) discloses to the other party under this Agreement, and which is marked as confidential or would normally under the circumstances be considered confidential information. It does not include information that the recipient already rightfully knew, that becomes public through no fault of the recipient, that was independently developed by the recipient, or that was lawfully given to the recipient by a third party. Customer Data is considered Customer's Confidential Information.

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"Emergency Security Issue" means either: (a) Customer's or its End User's use of the Service in violation of the Acceptable Use Policy, which could disrupt: (i) the Service; (ii) other Customers' or its End Users' use of the Service; or (iii) the Google network or servers used to provide the Service; or (b) unauthorized third party access to the Service.

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"Export Control Laws" means all applicable export and re-export control laws and regulations, including the Export Administration Regulations ("EAR") maintained by the U.S. Department of Commerce, trade and economic sanctions maintained by the Treasury Department's Office of Foreign Assets Control, and the International Traffic in Arms Regulations ("ITAR") maintained by the Department of State.

"Fee Threshold" means the threshold (as may be updated from time to time), which is more fully described here: <https://developers.google.com/appengine/docs/quotas>.

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"Intellectual Property Rights" means current and future worldwide rights under patent law, copyright law, trade secret law, trademark law, moral rights law, and other similar rights.

"Legal Process" means a request for disclosure of data made pursuant to law, governmental regulation, court order, subpoena, warrant, governmental regulatory or agency request, or other valid legal authority, legal procedure, or similar process.

"Privacy Policy" means Google's privacy policy located at: <https://www.google.com/privacypolicy.html> or such other URL as Google may provide.

"Protected Health Information" means the definition on 45 CFR 160.103, limited to the information created or received by a business associate from on or behalf of a covered entity.

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"Service FAQ" means those FAQs more fully described here: <https://developers.google.com/appengine/kb> or such other URL as Google may provide.

Service Level Agreement or SLA means the service level agreement then in effect for the Service available at the following URL: <https://developers.google.com/appengine/sla> or such other URL as Google may provide.

"Software" means any downloadable tools, software development kits or other such proprietary computer software provided by Google in connection with the Service, which may be downloaded by Customer, and any updates Google may make to such Software from time to time.

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## 2. Chinese/Japanese Word Break Dictionary Data (cjdict.txt)

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## 7. Database Ownership

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## 5.92 vaadin-sass-compiler 0.9.12

## 5.93 vaadin-spring 1.0.0.beta2

## 5.94 vaadin-spring-boot 1.0.0.beta2

## 5.95 validation-api 1.1.0

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