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**Title:** "Legal"

**Release:** pingfederate-<version>.zip. When extracted from this zip file, the PingFederate application is in the main folder under the "pingfederate" subfolder.

**Placement:** Included within collection of files composing specific Ping Identity release.

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**Contents:**

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Whatwg-fetch	WHATWG	88.0

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1. US Patent No. 6,085,320 entitled, "Client/Server Protocol for Providing Authenticity" issued on July 4, 2000;
2. US Patent No. 6,189,098 entitled, "Client/Server Protocol for Providing Authenticity" issued on February 13, 2001;
3. US Patent No. 6,249,873 entitled, "Method of and Apparatus for Providing Secure Distributed Directory Services and Public Key Infrastructure" issued on June 19, 2001;
4. US Patent No. 5,922,074 entitled, "Method of and Apparatus for Providing Secure Distributed Directory Services and Public Key Infrastructure" issued on July 13, 1999.<sup>1</sup>

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## **10. Apache Tapestry**

### **Modifications:**

- **Fix log forging ability when specifying an invalid service name.**
- **Added a digital signature to the serialized parameters to ensure untrusted data cannot be injected via the URL or POST form data.**
- **Removed some exception handling code that wrote directly to System.err.**
- **Added better support for Japanese characters by properly encoding surrogate pair characters into their respective numeric character references.**

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### 15.Apache XML (Other than XML Security)

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## **16. Apache XML Security Library**

### **Modifications:**

- Resolved a defect related to the OAEP key transport method used during encryption/decryption. XML Security will no longer pass the OAEP parameters if the JCE digest algorithm and MGF are both SHA-1.

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## **19.AWS Auto Discovery for JGroups**

### **Modifications:**

- Renamed Java packages.
- Optimizations to simplify configuration and reduce AWS SDK dependencies.

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## **20.AWS SDK for Java**

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## **26.CIDRUtils**

### **Modifications:**

Added a toString method to ensure appropriate logging is provided.

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- Added support for AES encryption algorithm.

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### 44.JCIFS SMB Client Library in Java

**File:**

jcifs-krb5.jar

**Modifications:**

Repackaging of the jcifs-krb5-1.3.12.jar distribution to include updated class files from jcifs-1.3.14.jar to utilize the latest JCIFS library updates.

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### 47.Jetty

#### Modifications:

Modified how cookies are parsed to allow for better interoperability with other vendors  
Modified cookie handling to allow for empty cookie values  
Add commons logging to default system classes  
Modified TLS SNI handling to reload keys from configuration and address compatibility with HSM modes  
Modified setting the SameSite attribute on cookies based on the requesting user-agent not matching a value in an exclusion list

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## **55.License4j**

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Recompiled the License4j source code using version 5.5 of the Allatori obfuscator. This is done to remove the a.class that was packaged with the original License4j jar, avoiding any class conflicts with other jars that also have the same class.

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## **78.Sun Java Streaming XML Parser**

### **Modifications:**

None.

### **Copyright:**

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## **79.Sun JAXRPC**

### **Modifications:**

None.

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## **80.Sun Servlet/JSP**

### **Modifications:**

None.

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## **81.Swagger Core Library**

### **Modifications:**

None

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## **81. Swagger UI**

### **Modifications:**

- Added support for model subtypes

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## 82. TinyRadius

### Modifications:

Added support for multi-threading  
Numerous bug fixes

Source code including these modifications is available from the following repository:  
<https://github.com/pingidentity/TinyRadius>

The original library may be used but it may not work as intended, in particular for defects that were fixed and features that were added. Use the link below to access the original library:  
<http://tinyradius.sourceforge.net/>

To use the original library, follow these steps:

1. After obtaining the source code to the original library, refactor the package name from: `org.tinyradius`, to `org.newtinyradius`, and re-compile the library
2. Extract the contents of `PingIDRadiusPCV-<version>.jar`
3. Delete the directory: `org/newtinyradius`
4. Add the re-compiled classes (from step 1) to `org/tinyradius`
5. Repackage the classes into a jar file
6. Replace the original `PingIDRadiusPCV-<version>.jar` with the new jar file (from step 5)

### Copyright:

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### License:

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## 83.twilio-java

### Modifications:

None.

### Copyright:

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## **84.Tyrus**

### **Modifications:**

None.

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## **85.underscore**

### **Modifications:**

None.

### **Copyright:**

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## **86.universal-cookie**

### **Modifications:**

None.

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Copyright (c) 2015 Benoit Tremblay

**License:**

<https://github.com/reactivestack/cookies/blob/master/packages/universal-cookie/LICENSE>

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**87.Whatwg-fetch****Modifications:**

None.

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**License:**

<https://github.com/whatwg/fetch/blob/master/LICENSE>

Source Code Download: <https://github.com/whatwg/fetch>

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