



CVE-2016-8735

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CVE-2016-8735

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Tomcat](#) from [Apache](#) contain the following vulnerability:

Remote code execution is possible with Apache Tomcat before 6.0.48, 7.x before 7.0.73, 8.x before 8.0.39, 8.5.x before 8.5.7, and 9.x before 9.0.0.M12 if JmxRemoteLifecycleListener is used and an attacker can reach JMX ports. The issue exists because this listener wasn't updated for consistency with the CVE-2016-3427 Oracle patch that affected

credential types.

CVE-2016-8735 has been assigned by [security@apache.org](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [Apache Software Foundation](#) - [Apache Tomcat](#) version **before 6.0.48**

Affected Vendor/Software: [Apache Software Foundation](#) - [Apache Tomcat](#) version **7.x before 7.0.73**

Affected Vendor/Software: [Apache Software Foundation](#) - [Apache Tomcat](#) version **8.x before 8.0.39**

Affected Vendor/Software: [Apache Software Foundation](#) - [Apache Tomcat](#) version **8.5.x before 8.5.7**

Affected Vendor/Software: [Apache Software Foundation](#) - [Apache Tomcat](#) version **9.x before 9.0.0.M12**

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE

Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL
CVE References		
Description	Tags	Link
Red Hat Customer Portal	access.redhat.com text/html	 REDHAT RHSA-2017:0455
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2017:0457
Debian -- Security Information -- DSA-3738-1 tomcat7	www.debian.org Deprecated Link text/html	 DEBIAN DSA-3738
oss-sec: [SECURITY] CVE-2016-8735 Apache Tomcat Remote Code Execution	Mailing List Mitigation Third Party Advisory seclists.org text/html	 CONFIRM seclists.org/oss-sec/2016/q4/502
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190415 svn commit: r1857582 [17/22] - in /tomcat/site/trunk: docs/ xdocs/stylesheets/
Apache Tomcat JmxRemoteLifecycleListener Bug Lets Remote Users Execute Arbitrary Code on the Target System - SecurityTracker	www.securitytracker.com text/html	 SECTRAK 1037331
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190325 svn commit: r1856174 [21/29] - in /tomcat/site/trunk: docs/ xdocs/xdocs/stylesheets/
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20200213 svn commit: r1873980 [27/34] - /tomcat/site/trunk/docs/
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190325 svn commit: r1856174 [22/29] - in /tomcat/site/trunk: docs/ xdocs/xdocs/stylesheets/
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190325 svn commit: r1856174 [24/29] - in /tomcat/site/trunk: docs/ xdocs/xdocs/stylesheets/
Oracle Critical Patch Update - January 2018	www.oracle.com text/html	 CONFIRM www.oracle.com/technetwork/security-advisory/cpujan2018-3236628.html
CPU July 2018	www.oracle.com text/html	 CONFIRM www.oracle.com/technetwork/security-advisory/cpujul2018-4258247.html
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190413 svn commit: r1857494 [17/20] - in /tomcat/site/trunk: ./ docs/ xdocs/
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190415 svn commit: r1857582 [16/22] - in

		/tomcat/site/trunk: docs/ xdocs/stylesheets/
USN-4557-1: Tomcat vulnerabilities Ubuntu security notices Ubuntu	usn.ubuntu.com text/html	 UBUNTU USN-4557-1
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20200203 svn commit: r1873527 [23/30] - /tomcat/site/trunk/docs/
Apache Tomcat CVE-2016-8735 Remote Code Execution Vulnerability	Third Party Advisory VDB Entry cve.report (archive) text/html	 BID 94463
Red Hat Customer Portal	access.redhat.com text/html	 REDHAT RHSA-2017:0456
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190319 svn commit: r1855831 [25/30] - in /tomcat/site/trunk: ./ docs/ xdocs/
Oracle Critical Patch Update - July 2019	www.oracle.com text/html	 MISC www.oracle.com/technetwork/security-advisory/cpujul2019-5072835.html
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190319 svn commit: r1855831 [23/30] - in /tomcat/site/trunk: ./ docs/ xdocs/
[Apache-SVN] Revision 1767656	Issue Tracking Patch Third Party Advisory svn.apache.org text/html	 CONFIRM svn.apache.org/viewvc?view=revision&revision=1767656
Apache Tomcat® - Apache Tomcat 7 vulnerabilities	Release Notes Vendor Advisory tomcat.apache.org text/html	 CONFIRM tomcat.apache.org/security-7.html
Apache Tomcat® - Apache Tomcat 8 vulnerabilities	Release Notes Vendor Advisory tomcat.apache.org text/html	 CONFIRM tomcat.apache.org/security-8.html
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190413 svn commit: r1857494 [15/20] - in /tomcat/site/trunk: ./ docs/ xdocs/
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20190415 svn commit: r1857582 [19/22] - in /tomcat/site/trunk: docs/ xdocs/stylesheets/
[Apache-SVN] Revision 1767684	Issue Tracking Patch Third Party Advisory svn.apache.org text/html	 CONFIRM svn.apache.org/viewvc?view=revision&revision=1767684
[Apache-SVN] Revision 1767676	Issue Tracking Patch Third Party Advisory svn.apache.org text/html	 CONFIRM svn.apache.org/viewvc?view=revision&revision=1767676
Pony Mail!	lists.apache.org text/html	 MLIST [tomcat-dev] 20200213 svn commit: r1873980 [26/34] - /tomcat/site/trunk/docs/

Oracle Critical Patch Update - October 2017

www.oracle.com[text/html](#) CONFIRMwww.oracle.com/technetwork/security-advisory/cpuoct2017-3236626.html

[Apache-SVN] Revision 1767644

[Issue Tracking](#)[Patch](#)[Third Party Advisory](#)svn.apache.org[text/html](#) CONFIRM svn.apache.org/viewvc?view=revision&revision=1767644

November 2016 Apache Tomcat Vulnerabilities in NetApp Products | NetApp Product Security

security.netapp.com[text/html](#) CONFIRMsecurity.netapp.com/advisory/ntap-20180607-0001/

Pony Mail!

lists.apache.org[text/html](#) MLIST [tomcat-dev] 20190413 svn commit: r1857494 [16/20] - in /tomcat/site/trunk: ./ docs/ xdocs/

Apache Tomcat - Apache Tomcat 8 vulnerabilities

[Release Notes](#)[Vendor Advisory](#)tomcat.apache.org[text/html](#) CONFIRM tomcat.apache.org/security-9.html

Apache Tomcat® - Apache Tomcat 6 vulnerabilities

[Release Notes](#)[Vendor Advisory](#)tomcat.apache.org[text/html](#) CONFIRM tomcat.apache.org/security-6.html

Oracle Critical Patch Update Advisory - April 2019

www.oracle.com[text/html](#) MISCwww.oracle.com/technetwork/security-advisory/cpuapr2019-5072813.html

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Tomcat	6.0.0	All	All	All
Application	Apache	Tomcat	6.0.1	All	All	All
Application	Apache	Tomcat	6.0.10	All	All	All
Application	Apache	Tomcat	6.0.11	All	All	All
Application	Apache	Tomcat	6.0.12	All	All	All
Application	Apache	Tomcat	6.0.13	All	All	All
Application	Apache	Tomcat	6.0.14	All	All	All
Application	Apache	Tomcat	6.0.15	All	All	All
Application	Apache	Tomcat	6.0.16	All	All	All
Application	Apache	Tomcat	6.0.17	All	All	All

Application	Apache	Tomcat	6.0.18	All	All	All
Application	Apache	Tomcat	6.0.19	All	All	All
Application	Apache	Tomcat	6.0.2	All	All	All
Application	Apache	Tomcat	6.0.20	All	All	All
Application	Apache	Tomcat	6.0.21	All	All	All
Application	Apache	Tomcat	6.0.22	All	All	All
Application	Apache	Tomcat	6.0.23	All	All	All
Application	Apache	Tomcat	6.0.24	All	All	All
Application	Apache	Tomcat	6.0.25	All	All	All
Application	Apache	Tomcat	6.0.26	All	All	All
Application	Apache	Tomcat	6.0.27	All	All	All
Application	Apache	Tomcat	6.0.28	All	All	All
Application	Apache	Tomcat	6.0.29	All	All	All
Application	Apache	Tomcat	6.0.3	All	All	All
Application	Apache	Tomcat	6.0.30	All	All	All
Application	Apache	Tomcat	6.0.31	All	All	All
Application	Apache	Tomcat	6.0.32	All	All	All
Application	Apache	Tomcat	6.0.33	All	All	All
Application	Apache	Tomcat	6.0.34	All	All	All
Application	Apache	Tomcat	6.0.35	All	All	All
Application	Apache	Tomcat	6.0.36	All	All	All
Application	Apache	Tomcat	6.0.37	All	All	All
Application	Apache	Tomcat	6.0.38	All	All	All
Application	Apache	Tomcat	6.0.39	All	All	All
Application	Apache	Tomcat	6.0.4	All	All	All
Application	Apache	Tomcat	6.0.40	All	All	All
Application	Apache	Tomcat	6.0.41	All	All	All
Application	Apache	Tomcat	6.0.42	All	All	All
Application	Apache	Tomcat	6.0.43	All	All	All
Application	Apache	Tomcat	6.0.44	All	All	All
Application	Apache	Tomcat	6.0.45	All	All	All
Application	Apache	Tomcat	6.0.46	All	All	All
Application	Apache	Tomcat	6.0.47	All	All	All
Application	Apache	Tomcat	6.0.5	All	All	All
Application	Apache	Tomcat	6.0.6	All	All	All
Application	Apache	Tomcat	6.0.7	All	All	All

Application	Platform	Container	Version	OS	Architecture	License
Application	Apache	Tomcat	6.0.8	All	All	All
Application	Apache	Tomcat	6.0.9	All	All	All
Application	Apache	Tomcat	7.0.0	All	All	All
Application	Apache	Tomcat	7.0.1	All	All	All
Application	Apache	Tomcat	7.0.10	All	All	All
Application	Apache	Tomcat	7.0.11	All	All	All
Application	Apache	Tomcat	7.0.12	All	All	All
Application	Apache	Tomcat	7.0.13	All	All	All
Application	Apache	Tomcat	7.0.14	All	All	All
Application	Apache	Tomcat	7.0.15	All	All	All
Application	Apache	Tomcat	7.0.16	All	All	All
Application	Apache	Tomcat	7.0.17	All	All	All
Application	Apache	Tomcat	7.0.18	All	All	All
Application	Apache	Tomcat	7.0.19	All	All	All
Application	Apache	Tomcat	7.0.2	All	All	All
Application	Apache	Tomcat	7.0.20	All	All	All
Application	Apache	Tomcat	7.0.21	All	All	All
Application	Apache	Tomcat	7.0.22	All	All	All
Application	Apache	Tomcat	7.0.23	All	All	All
Application	Apache	Tomcat	7.0.24	All	All	All
Application	Apache	Tomcat	7.0.25	All	All	All
Application	Apache	Tomcat	7.0.26	All	All	All
Application	Apache	Tomcat	7.0.27	All	All	All
Application	Apache	Tomcat	7.0.28	All	All	All
Application	Apache	Tomcat	7.0.29	All	All	All
Application	Apache	Tomcat	7.0.3	All	All	All
Application	Apache	Tomcat	7.0.30	All	All	All
Application	Apache	Tomcat	7.0.31	All	All	All
Application	Apache	Tomcat	7.0.32	All	All	All
Application	Apache	Tomcat	7.0.33	All	All	All
Application	Apache	Tomcat	7.0.34	All	All	All
Application	Apache	Tomcat	7.0.35	All	All	All
Application	Apache	Tomcat	7.0.36	All	All	All
Application	Apache	Tomcat	7.0.37	All	All	All
Application	Apache	Tomcat	7.0.38	All	All	All

Application	Apache	Tomcat	7.0.39	All	All	All
Application	Apache	Tomcat	7.0.4	All	All	All
Application	Apache	Tomcat	7.0.40	All	All	All
Application	Apache	Tomcat	7.0.41	All	All	All
Application	Apache	Tomcat	7.0.42	All	All	All
Application	Apache	Tomcat	7.0.43	All	All	All
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Application	Apache	Tomcat	7.0.45	All	All	All
Application	Apache	Tomcat	7.0.46	All	All	All
Application	Apache	Tomcat	7.0.47	All	All	All
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Application	Apache	Tomcat	7.0.62	All	All	All
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Application	Apache	Tomcat	7.0.64	All	All	All
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Application	Apache	Tomcat	7.0.68	All	All	All
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Application	Apache	Tomcat	7.0.9	All	All	All
Application	Apache	Tomcat	8.0.0	All	All	All
Application	Apache	Tomcat	8.0.1	All	All	All
Application	Apache	Tomcat	8.0.10	All	All	All
Application	Apache	Tomcat	8.0.11	All	All	All
Application	Apache	Tomcat	8.0.12	All	All	All
Application	Apache	Tomcat	8.0.13	All	All	All
Application	Apache	Tomcat	8.0.14	All	All	All
Application	Apache	Tomcat	8.0.15	All	All	All
Application	Apache	Tomcat	8.0.16	All	All	All
Application	Apache	Tomcat	8.0.17	All	All	All
Application	Apache	Tomcat	8.0.18	All	All	All
Application	Apache	Tomcat	8.0.19	All	All	All
Application	Apache	Tomcat	8.0.2	All	All	All
Application	Apache	Tomcat	8.0.20	All	All	All
Application	Apache	Tomcat	8.0.21	All	All	All
Application	Apache	Tomcat	8.0.22	All	All	All
Application	Apache	Tomcat	8.0.23	All	All	All
Application	Apache	Tomcat	8.0.24	All	All	All
Application	Apache	Tomcat	8.0.25	All	All	All
Application	Apache	Tomcat	8.0.26	All	All	All
Application	Apache	Tomcat	8.0.27	All	All	All
Application	Apache	Tomcat	8.0.28	All	All	All
Application	Apache	Tomcat	8.0.29	All	All	All
Application	Apache	Tomcat	8.0.3	All	All	All
Application	Apache	Tomcat	8.0.30	All	All	All
Application	Apache	Tomcat	8.0.31	All	All	All
Application	Apache	Tomcat	8.0.32	All	All	All
Application	Apache	Tomcat	8.0.33	All	All	All
Application	Apache	Tomcat	8.0.34	All	All	All
Application	Apache	Tomcat	8.0.35	All	All	All
Application	Apache	Tomcat	8.0.36	All	All	All

Application	Apache	Tomcat	8.0.37	All	All	All
Application	Apache	Tomcat	8.0.38	All	All	All
Application	Apache	Tomcat	8.0.4	All	All	All
Application	Apache	Tomcat	8.0.5	All	All	All
Application	Apache	Tomcat	8.0.6	All	All	All
Application	Apache	Tomcat	8.0.7	All	All	All
Application	Apache	Tomcat	8.0.8	All	All	All
Application	Apache	Tomcat	8.0.9	All	All	All
Application	Apache	Tomcat	8.5.0	All	All	All
Application	Apache	Tomcat	8.5.1	All	All	All
Application	Apache	Tomcat	8.5.2	All	All	All
Application	Apache	Tomcat	8.5.3	All	All	All
Application	Apache	Tomcat	8.5.4	All	All	All
Application	Apache	Tomcat	8.5.5	All	All	All
Application	Apache	Tomcat	8.5.6	All	All	All
Application	Apache	Tomcat	9.0.0	m1	All	All
Application	Apache	Tomcat	9.0.0	m10	All	All
Application	Apache	Tomcat	9.0.0	m11	All	All
Application	Apache	Tomcat	9.0.0	m2	All	All
Application	Apache	Tomcat	9.0.0	m3	All	All
Application	Apache	Tomcat	9.0.0	m4	All	All
Application	Apache	Tomcat	9.0.0	m5	All	All
Application	Apache	Tomcat	9.0.0	m6	All	All
Application	Apache	Tomcat	9.0.0	m7	All	All
Application	Apache	Tomcat	9.0.0	m8	All	All
Application	Apache	Tomcat	9.0.0	m9	All	All
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Application	Apache	Tomcat	6.0.10	All	All	All
Application	Apache	Tomcat	6.0.11	All	All	All
Application	Apache	Tomcat	6.0.12	All	All	All
Application	Apache	Tomcat	6.0.13	All	All	All
Application	Apache	Tomcat	6.0.14	All	All	All
Application	Apache	Tomcat	6.0.15	All	All	All
Application	Apache	Tomcat	6.0.16	All	All	All

Application	Apache	Tomcat	6.0.17	All	All	All
Application	Apache	Tomcat	6.0.18	All	All	All
Application	Apache	Tomcat	6.0.19	All	All	All
Application	Apache	Tomcat	6.0.2	All	All	All
Application	Apache	Tomcat	6.0.20	All	All	All
Application	Apache	Tomcat	6.0.21	All	All	All
Application	Apache	Tomcat	6.0.22	All	All	All
Application	Apache	Tomcat	6.0.23	All	All	All
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Application	Apache	Tomcat	6.0.25	All	All	All
Application	Apache	Tomcat	6.0.26	All	All	All
Application	Apache	Tomcat	6.0.27	All	All	All
Application	Apache	Tomcat	6.0.28	All	All	All
Application	Apache	Tomcat	6.0.29	All	All	All
Application	Apache	Tomcat	6.0.3	All	All	All
Application	Apache	Tomcat	6.0.30	All	All	All
Application	Apache	Tomcat	6.0.31	All	All	All
Application	Apache	Tomcat	6.0.32	All	All	All
Application	Apache	Tomcat	6.0.33	All	All	All
Application	Apache	Tomcat	6.0.34	All	All	All
Application	Apache	Tomcat	6.0.35	All	All	All
Application	Apache	Tomcat	6.0.36	All	All	All
Application	Apache	Tomcat	6.0.37	All	All	All
Application	Apache	Tomcat	6.0.38	All	All	All
Application	Apache	Tomcat	6.0.39	All	All	All
Application	Apache	Tomcat	6.0.4	All	All	All
Application	Apache	Tomcat	6.0.40	All	All	All
Application	Apache	Tomcat	6.0.41	All	All	All
Application	Apache	Tomcat	6.0.42	All	All	All
Application	Apache	Tomcat	6.0.43	All	All	All
Application	Apache	Tomcat	6.0.44	All	All	All
Application	Apache	Tomcat	6.0.45	All	All	All
Application	Apache	Tomcat	6.0.46	All	All	All
Application	Apache	Tomcat	6.0.47	All	All	All
Application	Apache	Tomcat	6.0.5	All	All	All

Application	Apache	Tomcat	6.0.6	All	All	All
Application	Apache	Tomcat	6.0.7	All	All	All
Application	Apache	Tomcat	6.0.8	All	All	All
Application	Apache	Tomcat	6.0.9	All	All	All
Application	Apache	Tomcat	7.0.0	All	All	All
Application	Apache	Tomcat	7.0.1	All	All	All
Application	Apache	Tomcat	7.0.10	All	All	All
Application	Apache	Tomcat	7.0.11	All	All	All
Application	Apache	Tomcat	7.0.12	All	All	All
Application	Apache	Tomcat	7.0.13	All	All	All
Application	Apache	Tomcat	7.0.14	All	All	All
Application	Apache	Tomcat	7.0.15	All	All	All
Application	Apache	Tomcat	7.0.16	All	All	All
Application	Apache	Tomcat	7.0.17	All	All	All
Application	Apache	Tomcat	7.0.18	All	All	All
Application	Apache	Tomcat	7.0.19	All	All	All
Application	Apache	Tomcat	7.0.2	All	All	All
Application	Apache	Tomcat	7.0.20	All	All	All
Application	Apache	Tomcat	7.0.21	All	All	All
Application	Apache	Tomcat	7.0.22	All	All	All
Application	Apache	Tomcat	7.0.23	All	All	All
Application	Apache	Tomcat	7.0.24	All	All	All
Application	Apache	Tomcat	7.0.25	All	All	All
Application	Apache	Tomcat	7.0.26	All	All	All
Application	Apache	Tomcat	7.0.27	All	All	All
Application	Apache	Tomcat	7.0.28	All	All	All
Application	Apache	Tomcat	7.0.29	All	All	All
Application	Apache	Tomcat	7.0.3	All	All	All
Application	Apache	Tomcat	7.0.30	All	All	All
Application	Apache	Tomcat	7.0.31	All	All	All
Application	Apache	Tomcat	7.0.32	All	All	All
Application	Apache	Tomcat	7.0.33	All	All	All
Application	Apache	Tomcat	7.0.34	All	All	All
Application	Apache	Tomcat	7.0.35	All	All	All
Application	Apache	Tomcat	7.0.36	All	All	All
Application	Apache	Tomcat	7.0.37	All	All	All

Application	Apache	Tomcat	7.0.38	All	All	All
Application	Apache	Tomcat	7.0.39	All	All	All
Application	Apache	Tomcat	7.0.4	All	All	All
Application	Apache	Tomcat	7.0.40	All	All	All
Application	Apache	Tomcat	7.0.41	All	All	All
Application	Apache	Tomcat	7.0.42	All	All	All
Application	Apache	Tomcat	7.0.43	All	All	All
Application	Apache	Tomcat	7.0.44	All	All	All
Application	Apache	Tomcat	7.0.45	All	All	All
Application	Apache	Tomcat	7.0.46	All	All	All
Application	Apache	Tomcat	7.0.47	All	All	All
Application	Apache	Tomcat	7.0.48	All	All	All
Application	Apache	Tomcat	7.0.49	All	All	All
Application	Apache	Tomcat	7.0.5	All	All	All
Application	Apache	Tomcat	7.0.50	All	All	All
Application	Apache	Tomcat	7.0.51	All	All	All
Application	Apache	Tomcat	7.0.52	All	All	All
Application	Apache	Tomcat	7.0.53	All	All	All
Application	Apache	Tomcat	7.0.54	All	All	All
Application	Apache	Tomcat	7.0.55	All	All	All
Application	Apache	Tomcat	7.0.56	All	All	All
Application	Apache	Tomcat	7.0.57	All	All	All
Application	Apache	Tomcat	7.0.58	All	All	All
Application	Apache	Tomcat	7.0.59	All	All	All
Application	Apache	Tomcat	7.0.6	All	All	All
Application	Apache	Tomcat	7.0.60	All	All	All
Application	Apache	Tomcat	7.0.61	All	All	All
Application	Apache	Tomcat	7.0.62	All	All	All
Application	Apache	Tomcat	7.0.63	All	All	All
Application	Apache	Tomcat	7.0.64	All	All	All
Application	Apache	Tomcat	7.0.65	All	All	All
Application	Apache	Tomcat	7.0.66	All	All	All
Application	Apache	Tomcat	7.0.67	All	All	All
Application	Apache	Tomcat	7.0.68	All	All	All
Application	Apache	Tomcat	7.0.69	All	All	All

Application	Apache	Tomcat	7.0.7	All	All	All
Application	Apache	Tomcat	7.0.70	All	All	All
Application	Apache	Tomcat	7.0.71	All	All	All
Application	Apache	Tomcat	7.0.72	All	All	All
Application	Apache	Tomcat	7.0.8	All	All	All
Application	Apache	Tomcat	7.0.9	All	All	All
Application	Apache	Tomcat	8.0.0	All	All	All
Application	Apache	Tomcat	8.0.1	All	All	All
Application	Apache	Tomcat	8.0.10	All	All	All
Application	Apache	Tomcat	8.0.11	All	All	All
Application	Apache	Tomcat	8.0.12	All	All	All
Application	Apache	Tomcat	8.0.13	All	All	All
Application	Apache	Tomcat	8.0.14	All	All	All
Application	Apache	Tomcat	8.0.15	All	All	All
Application	Apache	Tomcat	8.0.16	All	All	All
Application	Apache	Tomcat	8.0.17	All	All	All
Application	Apache	Tomcat	8.0.18	All	All	All
Application	Apache	Tomcat	8.0.19	All	All	All
Application	Apache	Tomcat	8.0.2	All	All	All
Application	Apache	Tomcat	8.0.20	All	All	All
Application	Apache	Tomcat	8.0.21	All	All	All
Application	Apache	Tomcat	8.0.22	All	All	All
Application	Apache	Tomcat	8.0.23	All	All	All
Application	Apache	Tomcat	8.0.24	All	All	All
Application	Apache	Tomcat	8.0.25	All	All	All
Application	Apache	Tomcat	8.0.26	All	All	All
Application	Apache	Tomcat	8.0.27	All	All	All
Application	Apache	Tomcat	8.0.28	All	All	All
Application	Apache	Tomcat	8.0.29	All	All	All
Application	Apache	Tomcat	8.0.3	All	All	All
Application	Apache	Tomcat	8.0.30	All	All	All
Application	Apache	Tomcat	8.0.31	All	All	All
Application	Apache	Tomcat	8.0.32	All	All	All
Application	Apache	Tomcat	8.0.33	All	All	All
Application	Apache	Tomcat	8.0.34	All	All	All
Application	Apache	Tomcat	8.0.35	All	All	All

Application	Apache	Tomcat	8.0.35	All	All	All
Application	Apache	Tomcat	8.0.36	All	All	All
Application	Apache	Tomcat	8.0.37	All	All	All
Application	Apache	Tomcat	8.0.38	All	All	All
Application	Apache	Tomcat	8.0.4	All	All	All
Application	Apache	Tomcat	8.0.5	All	All	All
Application	Apache	Tomcat	8.0.6	All	All	All
Application	Apache	Tomcat	8.0.7	All	All	All
Application	Apache	Tomcat	8.0.8	All	All	All
Application	Apache	Tomcat	8.0.9	All	All	All
Application	Apache	Tomcat	8.5.0	All	All	All
Application	Apache	Tomcat	8.5.1	All	All	All
Application	Apache	Tomcat	8.5.2	All	All	All
Application	Apache	Tomcat	8.5.3	All	All	All
Application	Apache	Tomcat	8.5.4	All	All	All
Application	Apache	Tomcat	8.5.5	All	All	All
Application	Apache	Tomcat	8.5.6	All	All	All
Application	Apache	Tomcat	9.0.0	m1	All	All
Application	Apache	Tomcat	9.0.0	m10	All	All
Application	Apache	Tomcat	9.0.0	m11	All	All
Application	Apache	Tomcat	9.0.0	m2	All	All
Application	Apache	Tomcat	9.0.0	m3	All	All
Application	Apache	Tomcat	9.0.0	m4	All	All
Application	Apache	Tomcat	9.0.0	m5	All	All
Application	Apache	Tomcat	9.0.0	m6	All	All
Application	Apache	Tomcat	9.0.0	m7	All	All
Application	Apache	Tomcat	9.0.0	m8	All	All
Application	Apache	Tomcat	9.0.0	m9	All	All
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cpe:2.3:a:apache:tomcat:8.0.31:*****:
cpe:2.3:a:apache:tomcat:8.0.32:*****:

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cpe:2.3:a:apache:tomcat:8.0.33:*:*:*:*:*:
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```

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cpe:2.3:a:apache:tomcat:8.0.36:*:*:*:*:*:
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cpe:2.3:a:apache:tomcat:8.0.37:*:*:*:*:*:
```

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cpe:2.3:a:apache:tomcat:8.0.38:*:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.0.4:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.0.5:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.0.6:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.0.7:*:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.0.8:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.0.9:*:*:*:*:*:
```

```
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```

```
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```
cpe:2.3:a:apache:tomcat:8.5.2:*:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.5.3:*:*:*:*:*:*:
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```
cpe:2.3:a:apache:tomcat:8.5.4:*:*:*:*:*:*:
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```
cpe:2.3:a:apache:tomcat:8.5.5:*:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:8.5.6:*:*:*:*:*:
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```
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```
cpe:2.3:a:apache:tomcat:9.0.0:m10:*.~*~*~*~*~*~*
```

```
cpe:2.3:a:apache:tomcat:9.0.0:m11:.*:.*:.*:.*:.*:.*:.*
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```
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```

```
cpe:2.3:a:apache:tomcat:9.0.0:m3:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:9.0.0:m4:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:9.0.0:m5:*:*:*:*:*:
```

```
cpe:2.3:a:apache:tomcat:9.0.0:m6:*.~*~*~*~*~*
```

```
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```
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cpe:2.3:a:apache:tomcat:6.0.17:*****:
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cpe:2.3:a:apache:tomcat:7.0.62:*:*:*:*:*:*:
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cpe:2.3:a:apache:tomcat:7.0.63:*:*:*:*:*:
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cpe:2.3:a:apache:tomcat:7.0.65:*:*:*:*:*:
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cpe:2.3:a:apache:tomcat:7.0.66:*:*:*:*:*:
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cne:2.3:a:apache:tomcat:7.0.67:*.~*.~*.~*.~*.~*~*
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cpe:2.3:a:apache:tomcat:9.0.0:m8:*:*:*:*:*:
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cpe:2.3:a:apache:tomcat:9.0.0:m9:*:*:*:*:*:
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