

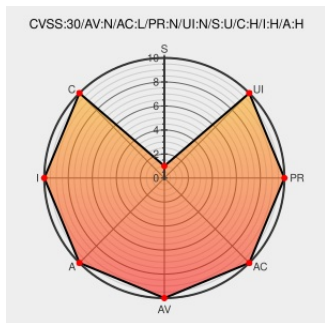


CVE-2015-5254

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CVE-2015-5254

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

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

Apache ActiveMQ 5.x before 5.13.0 does not restrict the classes that can be serialized in the broker, which allows remote attackers to execute arbitrary code via a crafted serialized Java Message Service (JMS) ObjectMessage object.

CVE-2015-5254 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as **CRITICAL** severity.

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	web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2016:2036
oss-security - [ANNOUNCE]	www.openwall.com	MLIST [oss-security] 20151208 [ANNOUNCE] CVE-2015-5254 - Unsafe

CVE-2015-5254 - Unsafe deserialization in ActiveMQ	text/html	deserialization in ActiveMQ
Debian -- Security Information -- DSA-3524-1 activemq	www.debian.org Depreciated Link text/html	 DEBIAN DSA-3524
[SECURITY] Fedora 23 Update: activemq-5.6.0-14.fc23	lists.fedoraproject.org text/html	 FEDORA FEDORA-2015-eefc5a6762
[AMQ-6013] Restrict classes that can be serialized in ObjectMessages - ASF JIRA	Vendor Advisory issues.apache.org text/html	 CONFIRM issues.apache.org/jira/browse/AMQ-6013
Document Display HPE Support Center	h20566.www2.hpe.com text/html	 CONFIRM h20566.www2.hpe.com/portal/site/hpsc/public/kb/docDisplay?docId=emr_na-c05385680
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2016:2035
	activemq.apache.org text/plain	 CONFIRM activemq.apache.org/security-advisories.data/CVE-2015-5254-announcement.txt
[SECURITY] Fedora 22 Update: activemq-5.6.0-14.fc22	lists.fedoraproject.org text/html	 FEDORA FEDORA-2015-7ca4368b0c
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2016:0489
Oracle Critical Patch Update - July 2017	www.oracle.com text/html	 CONFIRM www.oracle.com/technetwork/security-advisory/cpujul2017-3236622.html
Oracle Critical Patch Update - October 2017	www.oracle.com text/html	 CONFIRM www.oracle.com/technetwork/security-advisory/cpuoct2017-3236626.html
Pony Mail!	lists.apache.org text/html	 MLIST [activemq-commits] 20190327 svn commit: r1042639 - in /websites/production/activemq/content/activemq-website: ./ projects/artemis/download/ projects/classic/download/ projects/cms/download/ security-advisories.data/

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There are currently no QIDs associated with this CVE

Exploit/POC from Github

ActiveMQ_CVE-2015-5254

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Activemq	5.0.0	All	All	All
Application	Apache	Activemq	5.1.0	All	All	All
Application	Apache	Activemq	5.10.0	All	All	All

Application	Apache	Activemq	5.10.1	All	All	All
Application	Apache	Activemq	5.10.2	All	All	All
Application	Apache	Activemq	5.11.0	All	All	All
Application	Apache	Activemq	5.11.1	All	All	All
Application	Apache	Activemq	5.11.2	All	All	All
Application	Apache	Activemq	5.12.0	All	All	All
Application	Apache	Activemq	5.12.1	All	All	All
Application	Apache	Activemq	5.2.0	All	All	All
Application	Apache	Activemq	5.3.0	All	All	All
Application	Apache	Activemq	5.3.1	All	All	All
Application	Apache	Activemq	5.3.2	All	All	All
Application	Apache	Activemq	5.4.0	All	All	All
Application	Apache	Activemq	5.4.1	All	All	All
Application	Apache	Activemq	5.4.3	All	All	All
Application	Apache	Activemq	5.5.0	All	All	All
Application	Apache	Activemq	5.5.1	All	All	All
Application	Apache	Activemq	5.6.0	All	All	All
Application	Apache	Activemq	5.7.0	All	All	All
Application	Apache	Activemq	5.8.0	All	All	All
Application	Apache	Activemq	5.9.0	All	All	All
Application	Apache	Activemq	5.9.1	All	All	All
Application	Apache	Activemq	5.0.0	All	All	All
Application	Apache	Activemq	5.1.0	All	All	All
Application	Apache	Activemq	5.10.0	All	All	All
Application	Apache	Activemq	5.10.1	All	All	All
Application	Apache	Activemq	5.10.2	All	All	All
Application	Apache	Activemq	5.11.0	All	All	All
Application	Apache	Activemq	5.11.1	All	All	All
Application	Apache	Activemq	5.11.2	All	All	All
Application	Apache	Activemq	5.12.0	All	All	All
Application	Apache	Activemq	5.12.1	All	All	All
Application	Apache	Activemq	5.2.0	All	All	All
Application	Apache	Activemq	5.3.0	All	All	All
Application	Apache	Activemq	5.3.1	All	All	All
Application	Apache	Activemq	5.3.2	All	All	All

Application	Apache	Activemq	5.4.0	All	All	All
Application	Apache	Activemq	5.4.1	All	All	All
Application	Apache	Activemq	5.4.3	All	All	All
Application	Apache	Activemq	5.5.0	All	All	All
Application	Apache	Activemq	5.5.1	All	All	All
Application	Apache	Activemq	5.6.0	All	All	All
Application	Apache	Activemq	5.7.0	All	All	All
Application	Apache	Activemq	5.8.0	All	All	All
Application	Apache	Activemq	5.9.0	All	All	All
Application	Apache	Activemq	5.9.1	All	All	All
Operating System	Fedoraproject	Fedora	22	All	All	All
Operating System	Fedoraproject	Fedora	23	All	All	All
Operating System	Fedoraproject	Fedora	22	All	All	All
Operating System	Fedoraproject	Fedora	23	All	All	All
Application	Redhat	Openshift	2.0	All	All	All
Application	Redhat	Openshift	2.0	All	All	All
cpe:2.3:a:apache:activemq:5.0.0:*****:						
cpe:2.3:a:apache:activemq:5.1.0:*****:						
cpe:2.3:a:apache:activemq:5.10.0:*****:						
cpe:2.3:a:apache:activemq:5.10.1:*****:						
cpe:2.3:a:apache:activemq:5.10.2:*****:						
cpe:2.3:a:apache:activemq:5.11.0:*****:						
cpe:2.3:a:apache:activemq:5.11.1:*****:						
cpe:2.3:a:apache:activemq:5.11.2:*****:						
cpe:2.3:a:apache:activemq:5.12.0:*****:						
cpe:2.3:a:apache:activemq:5.12.1:*****:						
cpe:2.3:a:apache:activemq:5.2.0:*****:						
cpe:2.3:a:apache:activemq:5.3.0:*****:						
cpe:2.3:a:apache:activemq:5.3.1:*****:						
cpe:2.3:a:apache:activemq:5.3.2:*****:						

cpe:2.3:a:apache:activemq:5.4.0:*****:
cpe:2.3:a:apache:activemq:5.4.1:*****:
cpe:2.3:a:apache:activemq:5.4.3:*****:
cpe:2.3:a:apache:activemq:5.5.0:*****:
cpe:2.3:a:apache:activemq:5.5.1:*****:
cpe:2.3:a:apache:activemq:5.6.0:*****:
cpe:2.3:a:apache:activemq:5.7.0:*****:
cpe:2.3:a:apache:activemq:5.8.0:*****:
cpe:2.3:a:apache:activemq:5.9.0:*****:
cpe:2.3:a:apache:activemq:5.9.1:*****:
cpe:2.3:a:apache:activemq:5.0.0:*****:
cpe:2.3:a:apache:activemq:5.1.0:*****:
cpe:2.3:a:apache:activemq:5.10.0:*****:
cpe:2.3:a:apache:activemq:5.10.1:*****:
cpe:2.3:a:apache:activemq:5.10.2:*****:
cpe:2.3:a:apache:activemq:5.11.0:*****:
cpe:2.3:a:apache:activemq:5.11.1:*****:
cpe:2.3:a:apache:activemq:5.11.2:*****:
cpe:2.3:a:apache:activemq:5.12.0:*****:
cpe:2.3:a:apache:activemq:5.12.1:*****:
cpe:2.3:a:apache:activemq:5.2.0:*****:
cpe:2.3:a:apache:activemq:5.3.0:*****:
cpe:2.3:a:apache:activemq:5.3.1:*****:
cpe:2.3:a:apache:activemq:5.3.2:*****:
cpe:2.3:a:apache:activemq:5.4.0:*****:
cpe:2.3:a:apache:activemq:5.4.1:*****:
cpe:2.3:a:apache:activemq:5.4.3:*****:
cpe:2.3:a:apache:activemq:5.5.0:*****:
cpe:2.3:a:apache:activemq:5.5.1:*****:

cpe:2.3:a:apache:activemq:5.5.1:*****:
cpe:2.3:a:apache:activemq:5.6.0:*****:
cpe:2.3:a:apache:activemq:5.7.0:*****:
cpe:2.3:a:apache:activemq:5.8.0:*****:
cpe:2.3:a:apache:activemq:5.9.0:*****:
cpe:2.3:a:apache:activemq:5.9.1:*****:
cpe:2.3:o:fedoraproject:fedora:22:*****:
cpe:2.3:o:fedoraproject:fedora:23:*****:
cpe:2.3:o:fedoraproject:fedora:22:*****:
cpe:2.3:o:fedoraproject:fedora:23:*****:
cpe:2.3:a:redhat:openshift:2.0:*****:
cpe:2.3:a:redhat:openshift:2.0:*****:

No vendor comments have been submitted for this CVE

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