



CVE-2012-4406

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2012-4406
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-10-22 23:55:00 UTC
Updated	2024-01-25 02:13:00 UTC
Description	OpenStack Object Storage (swift) before 1.7.0 uses the loads function in the pickle Python module unsafely when storing a

Risk And Classification

Problem Types: CWE-502

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	16	All	All	All
Application	Openstack	Swift	All	All	All	All
Application	Openstack	Swift	1.0.0	All	All	All
Application	Openstack	Swift	1.0.1	All	All	All
Application	Openstack	Swift	1.0.2	All	All	All
Application	Openstack	Swift	1.1.0	All	All	All
Application	Openstack	Swift	1.1.0	rc1	All	All
Application	Openstack	Swift	1.1.0	rc2	All	All
Application	Openstack	Swift	1.2.0	All	All	All
Application	Openstack	Swift	1.2.0	gamma1	All	All
Application	Openstack	Swift	1.2.0	rc1	All	All
Application	Openstack	Swift	1.3.0	All	All	All
Application	Openstack	Swift	1.3.0	gamma1	All	All
Application	Openstack	Swift	1.3.0	rc1	All	All
Application	Openstack	Swift	1.4.0	All	All	All
Application	Openstack	Swift	1.4.1	All	All	All
Application	Openstack	Swift	1.4.2	All	All	All

Application	Openstack	Swift	1.4.3	All	All	All
Application	Openstack	Swift	1.4.4	All	All	All
Application	Openstack	Swift	1.4.5	All	All	All
Application	Openstack	Swift	1.4.6	All	All	All
Application	Openstack	Swift	1.4.7	All	All	All
Application	Openstack	Swift	1.4.8	All	All	All
Application	Openstack	Swift	1.5.0	All	All	All
Application	Openstack	Swift	1.0.0	All	All	All
Application	Openstack	Swift	1.0.1	All	All	All
Application	Openstack	Swift	1.0.2	All	All	All
Application	Openstack	Swift	1.1.0	All	All	All
Application	Openstack	Swift	1.1.0	rc1	All	All
Application	Openstack	Swift	1.1.0	rc2	All	All
Application	Openstack	Swift	1.2.0	All	All	All
Application	Openstack	Swift	1.2.0	gamma1	All	All
Application	Openstack	Swift	1.2.0	rc1	All	All
Application	Openstack	Swift	1.3.0	All	All	All
Application	Openstack	Swift	1.3.0	gamma1	All	All
Application	Openstack	Swift	1.3.0	rc1	All	All
Application	Openstack	Swift	1.4.0	All	All	All
Application	Openstack	Swift	1.4.1	All	All	All
Application	Openstack	Swift	1.4.2	All	All	All
Application	Openstack	Swift	1.4.3	All	All	All
Application	Openstack	Swift	1.4.4	All	All	All
Application	Openstack	Swift	1.4.5	All	All	All
Application	Openstack	Swift	1.4.6	All	All	All
Application	Openstack	Swift	1.4.7	All	All	All
Application	Openstack	Swift	1.4.8	All	All	All
Application	Openstack	Swift	1.5.0	All	All	All
Application	Openstack	Swift	All	All	All	All
Operating System	Redhat	Enterprise Linux Server	5.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Application	Redhat	Gluster Storage Management Console	2.0	All	All	All
Application	Redhat	Gluster Storage Server For On-premise	2.0	All	All	All
Application	Redhat	Storage	2.0	All	All	All

Application	Redhat	Storage For Public Cloud	2.0	All	All	All
References						
Reference			Source	Link		
Red Hat Customer Portal			MISC	access.redhat.com		
Do not use pickle for serialization in memcache, but JSON · openstack/swift@e1ff51c · GitHub			CONFIRM	github.com		
1.7.0 : OpenStack Object Storage (swift)			CONFIRM	launchpad.net		
Red Hat Customer Portal			REDHAT	rhn.redhat.com		
Red Hat Customer Portal			REDHAT	rhn.redhat.com		
[SECURITY] Fedora 16 Update: openstack-swift-1.4.8-3.fc16			FEDORA	lists.fedoraproject.org		
Bug #1006414 "Insecure loads()" : Bugs : OpenStack Object Storage (swift)			CONFIRM	bugs.launchpad.net		
Red Hat Customer Portal			MISC	access.redhat.com		
OpenStack Swift 'loads()' Arbitrary Code Execution Vulnerability			BID	www.securityfocus.com		
Red Hat Customer Portal - Access to 24x7 support and knowledge			MISC	access.redhat.com		
IBM X-Force Exchange			XF	exchange.xforce.ibmcloud.com		
854757 – (CVE-2012-4406) CVE-2012-4406 Openstack-Swift: insecure use of python pickle()			MISC	bugzilla.redhat.com		
oss-security - Re: CVE-Request: openstack pickle de-serialization			MLIST	www.openwall.com		
oss-security - CVE-Request: openstack pickle de-serialization			MLIST	www.openwall.com		
CVE Program record			CVE.ORG	www.cve.org		
NVD vulnerability detail			NVD	nvd.nist.gov		

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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