

IBM X-Force Exchange



# OpenStack Keystone tenant security bypass

OpenStack Keystone is a threat intelligence sharing platform that you can use to research security threats, to aggregate intelligence, and to collaborate with peers.

**CVE-2012-5571**

Logged in users have integrated access to all the functionality of the site: searching, commenting, Collections and sharing. Guests can search and view reports only.

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**keystone-tenant-sec-bypass (80333) reported Nov 27, 2012**

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OpenStack Keystone could allow a remote authenticated attacker to bypass security restrictions, caused by EC2-style credentials remaining valid when users are removed from a tenant. An attacker could exploit this vulnerability to perform unauthorized actions.

## Consequences:

**Bypass Security**

## Remedy

Upgrade to the latest version of Keystone (2012.2.1 or later), available from the OpenStack Web site. See References.

## CVSS 2.0 Base Score

# 4

<b>Access Vector</b>	Network
<b>Access Complexity</b>	Low
<b>Authentication</b>	Single
<b>Confidentiality Impact</b>	None
<b>Integrity Impact</b>	Partial
<b>Availability Impact</b>	None

## CVSS 2.0 Temporal Score

# 3

<b>Exploitability</b>	Unproven
<b>Remediation Level</b>	Official Fix
<b>Report Confidence</b>	Confirmed

### Did you know that we have an X-Force Threat Intelligence API?

X-Force threat intelligence is actionable and is available via our APIs (JSON and STIX), which can be ingested into SIEMs. — Read more at our [API documentation \(https://exchange.xforce.ibmcloud.com/api/doc/#Vulnerabilities\\_get\\_vulnerabilities\\_xfid\)](https://exchange.xforce.ibmcloud.com/api/doc/#Vulnerabilities_get_vulnerabilities_xfid)

```
curl -X GET --header 'Accept: application/json' -u {API_KEY:API_PASSWORD} 'https://exchange.xfo
```



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# IBM Network Protection

## IBM® X-Force Exchange

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### Affected Products

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Affected Products

OpenStack Keystone 2012.1

... or enter as a Guest ()

### Dependent Products

None found

### References

External link

[Red Hat Bugzilla Bug 880399](https://bugzilla.redhat.com/show_bug.cgi?id=880399)  
(https://bugzilla.redhat.com/show\_bug.cgi?id=880399)

[OpenStack Web site](http://docs.openstack.org/developer/keystone/)  
(http://docs.openstack.org/developer/keystone/)

[SA51423](http://secunia.com/advisories/51423)  
(http://secunia.com/advisories/51423)

[CVE-2012-5571](https://www.cve.org/CVERecord?id=CVE-2012-5571)  
(https://www.cve.org/CVERecord?id=CVE-2012-5571)

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API (<https://exchange.xforce.ibmcloud.com/api/doc/>)

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([https://www.ibm.com/developerworks/cfa/execute?use\\_case=changeRequestLanding&BRAND\\_ID=301&PROD\\_ID=1465](https://www.ibm.com/developerworks/cfa/execute?use_case=changeRequestLanding&BRAND_ID=301&PROD_ID=1465))

FAQ (</faq>)

Service Status (<https://statuspage.ibm.com>)

Privacy (<http://www.ibm.com/privacy>)

Terms ()

Invite (<mailto:?subject=Invitation%20to%20use%20X-Force%20Exchange%20a%20secure%20platform%20for%20threat%20intelligence>)

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