

知 How to check the version of apache tomcat/openssh/openssl/mysql in H3C CAS

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Problem Description

When dealing with vulnerabilities, you need to confirm whether the relevant components of the CAS product are involved. You can use the following commands to check.

Solution

1. View the version of apache tomcat

The Ubuntu OS was used before CAS7.0. You can use the following command to view the version information.

```
# dpkg -l | grep tomcat
```

For example:

```
root@cvknode06:/var/lib/tomcat8# dpkg -l | grep tomcat
```

```
ii libtomcat8-java 8.0.32-1ubuntu1 Apache Tomcat 8 - Servlet and JSP engine -- core libraries
```

```
ii tomcat8 8.0.32-1ubuntu1 Apache Tomcat 8 - Servlet and JSP engine
```

```
ii tomcat8-common 8.0.32-1ubuntu1 Apache Tomcat 8 - Servlet and JSP engine -- common files
```

CAS7.0 began to be divided into Centos and Ubuntu , the latter can still be viewed using the above command. For the centos system, because it is not the tomcat installed by rpm, it can not be viewed with the `rpm -q tomcat` command. We can use the `./catalina.sh version` command to view under the path: `/var/lib/tomcat8/bin`.

```
[root@cvknode04 bin]# pwd
/var/lib/tomcat8/bin
[root@cvknode04 bin]# ./catalina.sh version
Using CATALINA_BASE:   /var/lib/tomcat8
Using CATALINA_HOME:   /var/lib/tomcat8
Using CATALINA_TMPDIR: /var/lib/tomcat8/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /var/lib/tomcat8/bin/bootstrap.jar:/var/lib/tomcat8/bin/tomcat-juli.jar
Using CATALINA_PID:    /var/run/tomcat8.pid
Server version: Apache Tomcat/8.0.52
Server built:   Apr 28 2018 16:24:29 UTC
Server number: 8.0.52.0
OS Name:        Linux
OS Version:    4.14.131-generic
Architecture:  amd64
JVM Version:   1.8.0_212-b04
JVM Vendor:    Oracle Corporation
[root@cvknode04 bin]#
```

```
[root@cvknode04 bin]# pwd
/var/lib/tomcat8/bin
[root@cvknode04 bin]# ./catalina.sh version
Using CATALINA_BASE:   /var/lib/tomcat8
Using CATALINA_HOME:   /var/lib/tomcat8
Using CATALINA_TMPDIR: /var/lib/tomcat8/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /var/lib/tomcat8/bin/bootstrap.jar:/var/lib/tomcat8/bin/tomcat-juli.jar
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[root@cvknode04 bin]#
```

2. View the version of openssh/open ssl

Use the command `ssh -V` to view the version

3. View the version of mysql/mariadb

The commands are different in different OS

Ubuntu: `dpkg -l | grep mysql`

Centos: `rpm -qa | grep mariadb`

