

# How to check Apache, Tomcat and other Third party application versions on Cisco Security Manager?

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## Introduction

This document describes how to check the version of different Cisco Security Manager (CSM) components.

## Background Information

Cisco Security Manager (CSM) requires few server side components, namely Apache WebServer, Tomcat Servlet Engine etc.

These server-side components have their own application versions. With every new release of CSM, the Application version might change, therefore at times it's required to cross-check if any looming Security vulnerability or CVE affects the component version OR essentially the Cisco Security Manager version.

## How to check Apache, Tomcat and other Third Party application version on Cisco Security Manager?

This can be checked from cmd prompt or Power Shell on Windows Server

### Tomcat

```
java -cp C:\Progra~2\CSCOpX\MDC\tomcat\lib\catalina.jar org.apache.catalina.util.ServerInfo
```

```
C:\Users\Administrator>java -cp C:\Progra~2\CSCOpX\MDC\tomcat\lib\catalina.jar
org.apache.catalina.util.ServerInfo
Server version: Apache Tomcat/6.0.44
Server built: Aug 10 2015 04:28:32 UTC
Server number: 6.0.44.0
OS Name: Windows NT (unknown)
OS Version: 10.0
Architecture: x86
JVM Version: 1.7.0_121-b31
JVM Vendor: Oracle Corporation
```

## Apache

```
C:\>Apache.exe -version
Server version: Apache/2.4.23 (Win32) Server built: Oct 1 2016 11:19:05
```

## JAVA

```
C:\>java.exe -version
java version "1.7.0_121"
Java(TM) SE Runtime Environment (build 1.7.0_121-b31)
Java HotSpot(TM) Client VM (build 24.121-b31, mixed mode)
```

## OpenSSL

```
C:\>openssl
WARNING: can't open config file: c:\ciscossl\ssl\openssl.cnf
OpenSSL> version
CiscoSSL 1.0.2j.6.1.140-fips
```

**Note:** Above outputs are taken from Cisco Security Manager 4.13 version.