[V7] FAQ: How to fix the OpenSSL Padding Oracle vulnerability (CVE-2016-2107) issue by updating Tomcat to the latest version for AhsayCBS v7 on Windows

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Product Version:
AhsayCBS: 7.5.0.0 - 7.13.0.x
OS: Windows

ATTENTION 1st January, 2022: v7 officially End-of-Life [details]

Description

This article will provide the steps to upgrade the existing AhsayCBS v7 bundled Tomcat version from v7.0.59, to the latest v7.0.72 on Windows platform. To resolve the OpenSSL Padding Oracle vulnerability (CVE-2016-2107) issue.

Important:
After you have updated your Tomcat version, we recommended that you consider using cbs-win.zip installer to upgrade your AhsayCBS to a newer version. As the cbs-win.exe installer will automatically over write the exiting Tomcat version with the bundled version v7.0.59, you will need to manually update Tomcat to v7.0.72 again each time you upgrade AhsayCBS to a newer version.

Assumptions:

- The AhsayCBS server is installed with a supported Windows Operating System. (please refer to the following KB article for details https://forum.ahsay.com/viewtopic.php?f=169&t=13492)
- AhsayCBS version is v7.13.0.0 or above.
- AhsayCBS installation path %CBS_INSTALL_PATH%

Steps

1. Download the Tomcat v7.0.72 patch
   http://download.ahsay.com/dev/hot-fixes/79/7900/cbs-hotfix-task14766.zip
2. Shutdown the AhsayCBS service:
   [Control Panel] > [Administrative Tools] > [Services] > [Ahsay Cloud Backup Suite] > [Stop]
   [Control Panel] > [Administrative Tools] > [Services] > [Ahsay Cloud Backup Suite NFS Service] > [Stop]
3. Make a backup copy of the following folders **%CBS_INSTALL_PATH%\conf** ,

%CBS_INSTALL_PATH%\tomcat , **%CBS_INSTALL_PATH%\lib** folders

4. Unzip the files and folders and copy them to the %CBS_INSTALL_PATH%

5. Start the AhsayCBS service:

   [Control Panel] > [Administrative Tools] > [Services] > [Ahsay Cloud Backup Suite] > [Start]

   [Control Panel] > [Administrative Tools] > [Services] > [Ahsay Cloud Backup Suite NFS Service] > [Start]

6. To verify the Tomcat version has been updated to v7.0.72. Check the **%CBS_INSTALL_PATH%\logs\catalina_YYYY-MM-DD.log** file:

Example:

```
Jul 25, 2017 10:25:33 AM org.apache.catalina.core.StandardService
startInternal
INFO: Starting service Catalina
Jul 25, 2017 10:25:33 AM org.apache.catalina.core.StandardEngine
startInternal
INFO: Starting Servlet Engine: Apache Tomcat/7.0.72
Jul 25, 2017 10:25:36 AM org.apache.catalina.startup.TldConfig execute
```

Keywords

Tomcat, AhsayCBS, v7.0.72, OpenSSL Padding Oracle Vulnerability, CVE-2016-2107