



IP Office Technical Tip

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Region: GLOBAL

Linux shell (bash) update for IP Office Server Edition, Applications Server and Unified Communications Module

This Technical Tip is to advise customers about the availability of an updated Linux shell (bash) for IP Office 8.1 and 9.0 Server Edition, Applications Server and the Unified Communications Module (UCM). The update addresses the “Bash” vulnerability previously documented in Avaya Security Bulletin ASA-2014-369:

<https://downloads.avaya.com/css/P8/documents/100183009>

Note: Before applying this update please ensure that the IP Office products are running the current service pack – 8.1 Service Pack 10 or 9.0 Service Pack 4.

The following table shows which .rpm update file is required for each IP Office product:

<u>IP Office Product</u>	<u>Bash Update file required</u>
9.0 Server Edition and 9.0 Applications Server	bash-4.1.2-15.el6_4.2.x86_64.rpm
8.1 Server Edition	bash-4.1.2-8.el6.2.x86_64.rpm
9.0 and 8.1 UCM	bash-4.1.2-15.el6_4.2.i686.rpm
8.1 Applications Server	bash-3.2-33.el5.2.i386.rpm

The update files can be downloaded from the 8.1 and 9.0 IP Office download section of the Avaya Support web site:

<http://support.avaya.com>

These updates will be included in the next 8.1 and 9.0 Service Packs scheduled for release on the 28th November 2014.

Installation Instructions

Please ensure that the IP Office product is running the current Service Pack software – 8.1 Service Pack 10 or 9.0 Service Pack 4, prior to applying this update. The Bash update can be applied to a live system and takes only a few seconds. With the exception of the 8.1 Applications Server which is updated from the Linux command line, the update is applied using Web Control or Web Manager to upload the .RPM file as an “Application”.

Note: Please ensure that you have the correct RPM file for the IP Office product that you are updating.

To apply the update to Server Edition, UCM and 9.0 Applications Server:

- 1) Log into the system using Web Control / Web Manager
- 2) Navigate to “Settings”, “General”
- 3) Click the “Browse” button for “Applications” and locate the path to the update file:

The screenshot shows the 'Settings' page in the Web Manager interface, specifically the 'General' tab under 'Software Repositories'. There are three rows of configuration: 'Operating System', 'Applications', and 'Downloads'. Each row has a checked 'Local' radio button, a 'File:' label, a text input field, and 'Browse' and 'Add' buttons. The 'Applications' row has the file path 'C:\fakepath\bash-4.1.2-15.' entered in the text field. A 'Save' button is located at the bottom right of the section.

- 4) Click “Add” and then “Save” to upload the file to the system.
- 5) When the upload is complete, Navigate to the “Updates” tab, Bash should be visible:

The screenshot shows the 'Services' table in the Web Manager interface. The table has columns for Application, Current Version, Latest Available, Status, and Actions. The 'bash' application is highlighted in red, indicating it is 'out of date'. The 'Update' button for 'bash' is visible.

Application	Current Version	Latest Available	Status	Actions
AdminLite	9.0.3.0 build 941	9.0.3.0 build 941	up to date	Change Version Update Uninstall
apache-tomcat	7.0.0.32 build 15	7.0.0.32 build 15	up to date	Change Version Update Uninstall
AvayaSystemConfig	9.0.3.0 build 941	9.0.3.0 build 941	up to date	Change Version Update Uninstall
AvayaVersioning	9.0.3.0 build 941	9.0.3.0 build 941	up to date	Change Version Update Uninstall
bash	4.1.0.2 build 15	4.1.0.2 build 15	out of date	Change Version Update Uninstall
cli	9.0.3.0 build 941	9.0.3.0 build 941	up to date	Change Version Update Uninstall

- 6) Click “Update”, this should take less than one minute to install and will display “up to date” when complete.

To apply the update to 8.1 Applications Server:

- 1) Using an SSH FTP client (WinSCP for example), copy the “bash-3.2-33.el5.2.i386.rpm” file to the Applications Server in “/home/Administrator”
- 2) Open a PuTTY session to the Applications Server and logon as “root”.
- 3) Enter the following command: cd/home/Administrator
- 4) Enter the following command: rpm -Uvh bash-3.2-33.el5.2.i386.rpm
- 5) Log off the system

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