



IBM Software Group

IBM WebSphere CloudBurst Appliance V1.1

Migration



@business on demand.

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This presentation describes how to upgrade the IBM® WebSphere® CloudBurst™ Appliance from V1.0 to V1.1.

Appliance migration

- To migrate from V1.0 to V1.1, upgrade the appliance firmware
 - ▶ Firmware can be upgraded from V1.0.0.1 or V1.0.0.2
- Firmware upgrade is packaged as a .scrypt2 file, available on Fix Central
- After upgrading the firmware, appliance data is preserved
- Recommendation: Before upgrading to V1.1, make an appliance backup
 - ▶ This backup is required if you want to move back to V1.0 later



To migrate your appliance from V1.0 to V1.1, you need to upgrade the appliance firmware. Your appliance can be upgraded from either V1.0.0.1 or V1.0.0.2. The new V1.1 firmware is packaged as a .scrypt2 file and made available for download on Fix Central. When you upgrade your appliance, your appliance data – including your catalog content and customized patterns – is preserved. It is a good practice to take a backup of your appliance before performing the firmware upgrade. This backup is required if you want to move back to V1.0 later.

Upgrading the firmware

- Download the firmware file from Fix Central
- Open your WebSphere CloudBurst console
- Go to **Appliance > Settings**, expand the **Firmware** section
- Click in the box that says **Browse...** and point to the location of the firmware file you downloaded
- Click the **Upgrade** button and wait for the file to upload to the appliance and the upgrade to start
- After about 20 minutes, start a new console session and verify the new firmware level



Appliance firmware can be upgraded using the WebSphere CloudBurst administrative console. First, download the firmware file from Fix Central to your local workstation and open the console. Go to the Appliance > Setting section of the console and expand the Firmware section. The current firmware version of your appliance is displayed in this section. To upgrade, click inside the box that says Browse... and use the file dialog box to find the .script2 firmware file on your system. Once you have selected the correct file, click the Upgrade button. This begins the process of uploading the firmware file to the appliance. While the upload is taking place, a status indicator is shown in the console letting you know how far along the upload is, in megabytes. After the firmware file upload has completed, the appliance kicks off the upgrade and restarts. When the appliance restarts, your browser session is no longer valid, so you do not see a status indicator there telling you that the appliance upgrade has finished. The process typically takes around 15-20 minutes, so after some time has passed, open a new console session and navigate back to the settings page. The firmware level displayed reflects the new level that was installed during the upgrade.

Virtual images

- After the firmware upgrade, existing virtual images are still in your appliance catalog
- New virtual images are available for download from Passport Advantage®
 - ▶ Updated WebSphere Application Server Hypervisor Edition fix pack levels
 - ▶ New images based on AIX® 6.1.3 to support PowerVM™ hypervisors
 - ▶ Download new images and import them into the appliance catalog



In addition to a new level of firmware for the WebSphere CloudBurst Appliance, new virtual images are available with the V1.1 release. These images are published on Passport Advantage. The VMware ESX images have been updated to new application server fix pack levels, and there are new images for use with PowerVM hypervisors. To use these new images, download them and import them into the appliance catalog.

Downgrading the appliance

- To downgrade the appliance from V1.1 to V1.0:
 - ▶ Apply the V1.0 firmware that you want
 - ▶ Restore your appliance from a backup that was taken on that firmware level
- Both steps – the firmware installation and the restore – are required to downgrade the appliance
 - ▶ Appliance restore only works when the backup archive was captured at the same firmware level that is on the appliance
 - ▶ It is a good practice to take an appliance backup before performing any upgrades



Moving your appliance back to V1.0 from V1.1 is a two-step process. First, you need to install the level of V1.0 firmware that you want. Second, restore the appliance from a backup that was taken at the corresponding V1.0 firmware level. Both of these steps are required. An appliance restore operation only works when the backup archive was captured at the same firmware level that is on the appliance. That is why it is a good practice to take an appliance backup before performing any upgrades.

Section

Summary



This section provides a summary of this presentation.

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