



**Hewlett Packard**  
Enterprise

# **Data Center Automation Appliance Express/Premium**

Software version: 1.01

## **Update guide**

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# Contents

<b>Introduction</b> .....	<b>3</b>
Supported update paths .....	3
Update package .....	3
Update the appliance .....	3
Update the appliance for a satellite .....	5
<b>Send documentation feedback</b> .....	<b>6</b>
<b>Legal notices</b> .....	<b>6</b>

# Introduction

This document describes the process to update the Data Center Automation Appliance (DCAA) version 1.00 to 1.01. The update is performed in-place; an already deployed appliance is updated to the new version without a need to migrate existing content.

## Supported update paths

The DCAA 1.01 update can be installed directly on the following products:

- Data Center Automation Appliance (DCAA) Express v.1.00
- Data Center Automation Appliance (DCAA) Premium v.1.00

In addition, you can migrate from SAVA 10.x to DCAA 1.01 using the following path:

- **Migrate from SAVA 10.x to DCAA 1.0**  
From the HPE Software Support Portal (<https://softwaresupport.hpe.com>), download the migration package and follow the instructions given in the “Migrations – Upgrading from SAVA 10.0x to DCAA 1.0” section in the *DCAA 1.0 Installation and Administration Guide* to successfully migrate from SAVA 10.x to DCAA 1.00.
- **Update DCAA 1.00 to 1.01**  
From the HPE Software Support Portal (<https://softwaresupport.hpe.com>), download the update package and follow the instructions given in the current document.

## Update package

The DCAA 1.01 update package consists of the following files:

File	Notes	Size
DCAA_00006.sh	Script to update to DCAA 1.01	17 KB
DCAA_00007.bin	Checksum for the part files	< 1 KB
DCAA_00008.bin	Checksum for the reassembled archive	< 1 KB
DCAA_00009.tgz	Archive part 1	4 GB
DCAA_00010.tgz	Archive part 1	4 GB
DCAA_00011.tgz	Archive part 1	3.1 GB
Approximate total size		12 GB

## Update the appliance

Before starting the update, you must perform the following steps:

**Note:** If you have manually changed the passwords of the embedded Server Automation (SA) core, update the values in the CDF file (`/var/opt/opsware/install_opsware/cdf/cdf.xml`) accordingly.

1. Download the update package in to a single folder. For better performance, it is recommended to copy the files on the appliance (for example, `/mnt/update`), as the update script will extract the archive where the update files are placed.
2. Take a snapshot of the appliance in a working state before starting the update. To recover from a failed update, revert to this snapshot. The snapshot can be deleted after the appliance is updated successfully.

The update script will check for the following conditions and will stop if any of them are not met.

- **Disk space:** a minimum of 40 GB of free space is needed (after you have downloaded the update package)
- **CPU and RAM:** 8 CPUs and 32 GB of RAM are required for the appliance to work properly
- **License:** all the existing components need to have valid licenses
- **Services:** SA, OO, and the Administration Console must be running
- **Password:** Validates the default passwords. If you have changed these passwords, you will be prompted to provide the new values.

**Important:** Depending on the speed of the hardware, the update process can last several hours. During this time, the appliance services will not be available.

To start the update process,

1. Connect to the appliance (through SSH) and change to the folder containing the update package.  
For example, `cd /mnt/update`
2. Run the update script:  
`./DCAA_00006.sh`

During the update, messages are displayed both on the console and saved in a log file (`upgrade.log`) that is located in the same folder as the update script.

The script performs the following actions:

- Checks that the conditions listed above are met.
- Checks the integrity of the archive part files.
- Reassembles the archive from the part files. The reassembled archive is placed in the same folder where the part files reside.
- Checks the integrity of the reassembled archive.

**Note:** If an error is encountered in the steps above, it is safe to resume the update after correcting the error.

- Starts the appliance update process (invokes the `updateAppliance.sh` script).  
While the appliance update is in progress, all the external ports are closed except for SSH (port 22).

**Important:** If an error is encountered at this stage, the update fails and the **UPGRADE FAILED** banner is displayed. Check the log file (`upgrade.log`) and archive of logs (`/tmp/dcava2016.01.update_logs.tgz`). Save these files in a safe location before contacting HPE Support.  
The appliance may be in an inconsistent state and the only way to recover is by reverting to the snapshot taken before updating the appliance.

- Runs the cleanup phase and deletes the archive part files.  
The reassembled archive file is not deleted. If you have satellites attached to your appliance, you will need this file to update the satellites. For more information on updating the satellite, see the “[Update the appliance for a satellite](#)” section.

On successful completion of the task, the **UPGRADE SUCCESSFUL** banner is displayed.

The updated version includes HPE IT Operations Compliance (ITOC). A trial can be activated to support up to 20 OSI's. For more information, see <http://www8.hp.com/us/en/software-solutions/it-compliance-management/index.html>.

**Note:** The initial password for the ITOC built-in user is `itocadmin`.

# Post-update tasks

After the update is successful, you must perform the following steps:

1. Configure and publish the new versions of the built-in offerings.  
By default, the new versions of “Manage Servers” and “Provision Servers” offerings are not published. The old versions of these offerings will continue working, but they will not have the newly added features.
2. Import the updated build plan pack.  
The build plan steps provided out-of-the-box are updated as part of the appliance update. However, the default build plans located in the SA Library in the `/Opsware/Tools/Build Plans/SAVA` folder are not changed. In case you modified the build plans in this location (instead of `/Home/CommonCustomerBuildPlans`), please make a backup before starting the import, as all the content in the `/Opsware/Tools/Build Plans/SAVA` folder will be erased.  
To start the import, connect to the appliance using SSH and run the following commands:

```
cd /var/opt/sava_osprovcontent/  
/opt/opsware/bin/python sava_content_pack.py sava_content_pack.json
```

## Update the appliance for a satellite

If you have satellites attached to your appliance, perform the following steps to update. The SA core embedded on the appliance supports an older version of satellites. Therefore, you may update these satellites whenever the maintenance window permits.

To update the satellite, make use of the reassembled archive that is left after a successful update of the appliance. The reassembled archive can be found in the folder where the update package was placed.

1. Extract the contents of the reassembled archive.
2. Make the `sa/10.21/opsware_60.0.66721.0-patch` folder and all its content available on the satellites by copying it locally on the satellite or through an NFS share.

**Note:** If you have manually changed the passwords of the embedded Server Automation (SA) core, update the values in the CDF file (`/var/opt/opsware/install_opsware/cdf/cdf.xml`) accordingly.

3. Connect to the host running the satellite using SSH.
4. Invoke the following script:

```
<media_path>/opsware_60.0.66721.0-patch/disk001/opsware_installer/hpsa_patch_satellite.sh -c  
<path_to_CDF>
```

where,

`<media_path>` is either the path on the local filesystem or an NFS mountpoint where the patch content was saved  
`<path_to_CDF>` is the path where the CDF can be found (by default, the latest version is saved in `/var/opt/opsware/install_opsware/cdf/cdf.xml`)

5. The detected layout of the satellite is displayed.  
For example, `192.168.1.110 (wordcache, osprov_media_sat, osprov_boot_sat)`
6. If the layout is correct, press Enter to continue.  
If the satellite is split on several machines, you will be required to provide the user and password of the hosts on which the other components are running.
7. The update process will start and it will update all the components.

On successful completion, it will display a message.

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