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## Use OS SPacks with Concerto

 For supported software information, click [here](#).

Versa Networks periodically provides OS SPacks and SPacks, which provide updates to the Concerto and VOS system software to protect the devices against newly identified security vulnerabilities. It is recommended that you install OS SPacks and SPacks on all deployed Versa Networks devices when the OS SPacks and SPacks become available. In addition, it is recommended that you upgrade to the latest VOS software releases when they become available, which is typically every 60 to 90 days.

To use OS SPacks, you edit the parameters for downloading the OS SPack, download the OS SPack to the Concerto node, and then install the OS security package on a VOS device. For information on SPacks, see [Use SPacks with Concerto](#).

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### Edit the OS SPack Download Parameters

The OS SPack download parameters define the URL from which to download OS SPacks, whether to perform full or incremental updates for a device, and the amount of time for the download to timeout.

To edit the OS SPack configuration for a device:

1. From the main Tenants screen, select the Inventory lifecycle in the left navigation panel.
2. Select the Software Packages tab. The following screen displays.

The screenshot shows the Versa Networks Inventory page. The breadcrumb trail is "Inventory > Software Packages > OS Security Package". The "Software Packages" tab is selected. Below the tabs, the "OS Security" sub-tab is active. A table lists "OS Security Packages | 1". The table has columns: Package Name, Package Version, Download Type, OS Type, Size, Day & Time Downloaded, and Status. The row shows "versa-flexvnf-oss-pack-20230117-bionic.bin", version "20230117", download type "full", OS type "bionic", size "93 MB", and status "Download\_Succeed". A red box highlights the "Edit OS Security Package Configuration" link in the top right of the table.

3. On the OS Security tab, click Edit OS Security Package Configuration.
4. In the Edit OS SPack Configuration popup window, enter information for the following fields.

The screenshot shows the "Edit OS Security Package Configuration" popup window. It has a title bar with a close button (X). The form contains the following fields:

- URL\***: A text input field containing "https://spack.versanetworks.com/versa-os-updates".
- Download Timeout**: A text input field containing "30011".
- Download Type**: A dropdown menu with "Full" selected.

At the bottom of the form are two buttons: "Cancel" and "Save".

Field	Description
URL (Required)	Enter the URL from which to download OS SPacks.
Download Timeout	<p>Enter the time, in minutes, for the download to timeout.</p> <p><i>Range:</i> 5 through 3600 minutes (5 minutes through 60 hours)</p>
Download Type	<p>Select the OS SPack download type:</p> <ul style="list-style-type: none"> <li>◦ Full—Download the full database repository. A full download overwrites the OS SPack that is installed on the device.</li> <li>◦ Incremental—Download only an update to the currently installed OS SPack. To determine whether an incremental update is available, check the release notes for the OS SPack version.</li> </ul>

5. Click Save.

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## Download the OS SPack for a VOS Device

You download the OS SPack for a VOS device to a Concerto node, and then install or upgrade the OS SPack on the VOS device.

To download the OS SPack for a VOS device:

1. Before you download and install the OS SPack, configure DNS settings so that the Director node can locate the server from which to download the OS SPack. For more information, see [Configure DNS Settings](#).
2. From the main Tenants screen, select the Inventory lifecycle in the left navigation panel.
3. Select the Software Packages tab. The following screen displays.

The screenshot shows the Versa Networks Inventory page. The top navigation bar includes the Versa Networks logo, the provider ID 'provider-org-QTB545', the title 'INVENTORY', and regional/language settings. The left sidebar contains navigation icons for Monitor, Analytics, Inventory, Users, Settings, and Tenants. The main content area is titled 'Software Packages' and includes a sub-header 'Inventory' with a description: 'Below you'll find inventory information for service providers and tenants. The information is organized into two tabs - Appliance Inventory and Software packages.' There are two tabs: 'Appliance Inventory' and 'Software Packages' (highlighted with a red box). Under the 'Software Packages' tab, there are three sub-tabs: 'OS Security' (selected), 'Security(S-Pack)', and 'Software(Image/Bin)'. Below these, there is a search bar and a table of OS Security Packages. The table has columns: Package Name, Package Version, Download Type, OS Type, Size, Day & Time Downloaded, and Status. One package is listed: 'versa-flexvnf-oss-pack-20230117-bionic.bin' with version '20230117', download type 'full', OS type 'bionic', size '93 MB', and status 'Download\_Succeed'. Above the table, there are icons for 'Delete', 'Refresh', 'Download Package' (highlighted with a red box), and 'Edit OS Security Package Configuration'. At the bottom, it says 'Showing 1-1 of 1 results' and 'Go to page 1'.

4. On the OS Security tab, click the  Download Package icon.
5. In the Download OS Security Package popup window, enter information for the following fields.

The screenshot shows a 'Download OS Security Package' popup window. It has a title bar with a close button (X). The form contains three main input fields: 'Package Version\*' with a dropdown menu showing '20240424'; 'OS Type' with a dropdown menu showing 'Trusty'; and 'Download Type' with a dropdown menu showing 'Full'. At the bottom, there are two buttons: 'Cancel' and 'Download'.

Field	Description
Package Version (Required)	Select the name of the OS SPack.
OS Type	Select the OS type running on the Director node: <ul style="list-style-type: none"> <li>◦ Bionic (Ubuntu 18.04)</li> <li>◦ Trusty (Ubuntu 14.04)</li> </ul>
Download Type	Select the type of download: <ul style="list-style-type: none"> <li>◦ Full—Download the complete OS SPack to the Director node. Select this option if an OS SPack is not already installed on the Director node.</li> <li>◦ Incremental—Select to upgrade the OS SPack on a Director node with only the changes that have been made to the OS SPack.</li> </ul>

6. Click Download. After the OS SPack downloads, it is listed in the table in the main pane.

## Upgrade the OS SPack on a VOS Device

1. From the main Tenants screen, select the Inventory lifecycle in the left navigation panel.
2. Select Appliance Inventory tab, and then select Upgrade Package > OS Security Package.

The screenshot shows the Versa Networks Inventory management interface. The 'Appliance Inventory' tab is active, displaying a table of 12 appliances. A red box highlights the 'Upgrade Package' button in the top right of the table, with a dropdown menu showing 'OS Security Package' selected. The table columns include Appliance, Site, Region, Model No., Appliance Serial No., OS Type, Software, Package, OS Security Package, Alarms, and Progress. The bottom of the table shows 'Showing 1-10 of 12 results' and '10 Rows per Page'.

3. In the Upgrade OS Security Package on Appliance popup window, enter information for the following fields.

[https://docs.versa-networks.com/Management\\_and\\_Orchestration/Versa\\_Concerto\\_Orchestrator/02\\_Common\\_Configuration/...](https://docs.versa-networks.com/Management_and_Orchestration/Versa_Concerto_Orchestrator/02_Common_Configuration/...)

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### Upgrade OS Security Package on Appliance

Complete the required information below to upgrade package on selected appliances.

Download Type\*  
Full

OS Type\*  
Trusty

Package Version\*  
versa-flexvnf-oss-pack-20231025-trus

☒ Schedule Upgrade

Select Upgrade Start Day & Time  
30-04-2024 16:10

Appliance Inventory | 2

Select Columns

	Appliance	Site	Region	OS Type	Software(Image/Bin)	Security(S-Pack) Package	OS Security Package
<input checked="" type="checkbox"/>	MattAndreaTest	New York	USA-East				
<input checked="" type="checkbox"/>	MattTest	New York	USA-East				

Showing 1-2 of results
10 Rows per Page
Go to page 1
Previous 1 Next

Cancel
Upgrade

Field	Description
Download Type (Required)	<p>Select the type of downloaded package:</p> <ul style="list-style-type: none"> <li>Full—Select a new OS SPack. Select this option if an OS SPack is not already installed on the VOS device.</li> <li>Incremental—Select to upgrade the device.</li> </ul>
OS Type (Required)	<p>Select the OS type running on the VOS node:</p> <ul style="list-style-type: none"> <li>Bionic (Ubuntu 18.04)</li> <li>Trusty (Ubuntu 14.04)</li> </ul>
Package Version (Required)	Select the OS SPack from the list of downloaded SPacks.
Schedule Upgrade	Click to schedule a time to upgrade the OS SPack. A scheduled upgrade upgrades the OS SPack and automatically installs it on the VOS device at the scheduled time. To view information about the upgrade and the device update, click the Tasks icon in the horizontal menu bar.
Select Upgrade Start Day & Time	Select the date and time at which to begin upgrading

Field	Description
	the OS SPack.
Appliance Inventory	Displays the device or devices that you selected to upgrade.

4. Click Upgrade.

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## Upgrade the OS SPack on a VOS Device (Releases 11.4 and Earlier)

1. In the main Tenants screen, select the Inventory lifecycle in the left navigation panel.
2. Hover over the tenant row, and then click the Ellipsis icon to select an option.
3. Click Upgrade OS SPack. The Upgrade OS SPack popup window displays
4. In the OS SPack Version field, select an OS SPack package.
5. Click Submit.
6. Hover over the tenant row, and then click View to display progress messages in the View Inventory screen.

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## Software Release Information

Releases 12.1.1 and later support all content described in this article.

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## Additional Information

[Concerto Inventory Lifecycle](#)

[Use SPacks with Concerto](#)

[Upgrade VOS Software with Concerto](#)