AVAYA

ERS 4850 and VSP 4000 Quick Conversion Guide

ERS 4850 to VSP 4000 conversion overview

Use the information and procedures in this document to convert ERS 4850 to VSP 4000.

The ERS 4850 to VSP 4000 conversion kit (part number EC4810003.3.1) contains:

- VSP 4000 USB software module (Release 3.0)
- VSP 4000 USB cover
- Stacking port cover and screws
- 60–day trial license for the VSP 4000

⚛ **Note:**
During the 60–day trial license period, you have access to all features of the VSP 4000 that you can configure without restriction, including system console and log messages. After the trial period is over, you must purchase the Advanced or the Premier license. Otherwise the system reverts to the Base license.

For more information about how to generate and install a license file, see the *Avaya Virtual Services Platform 4000 Administration* NN46251–600.

⚠ **Caution:**
After you use the conversion kit to upgrade a VSP 4000 switch, the USB stick must stay on the switch. Do not remove the USB stick from the switch and do not use the USB stick for the conversion of a different switch.

🛈 **Important:**
The ERS 4850 to VSP 4000 conversion process enables the remote access daemons used by Telnet. Consider this when configuring security on your system.

The following ERS 4850 models are supported for conversion to VSP 4000:

- ERS 4850GTS
- ERS 4850GTS-PWR+
- ERS 4850GTS DC

🛈 **Important:**
Contact your service contract administrator to update your service contract and make a note of the conversion from ERS 4850 to VSP 4000, or VSP 4000 to ERS 4850 software. Failure to do so may result in delays or possible denial of support and service.

ERS 4850 conversion requirements

Ensure that the following requirements are satisfied before you begin conversion of the ERS 4850 to VSP 4000.

Hardware requirements:

- The hardware is at revision 10 or later.
- The ERS 4850 is a single installation and is not stacked.

⚛ **Note:**
Install the stacking port cover with the screws included in your conversion kit before you begin the conversion process.

Software requirements:

- Software version is 5.6.2.0 or later.

🛈 **Important:**
The ERS 4850 release 5.6.2 is the only software release that can be converted to a VSP 4000 using the conversion kit. If you have a later software version on the ERS 4850, you must first downgrade to release 5.6.2 before performing the conversion.

Viewing the hardware and software versions

Enter `show system verbose` to display the hardware and software versions on your system.

```
4850GTS#show system verbose
System Information:
 Operation Mode:        Switch
 MAC Address:           A0-51-C6-EB-B8-00
 Reset Count:           12
 Last Reset Type:       Power Cycle
 Autotopology:          Enabled
 Base Unit Selection:   Non-base unit using
rear-panel switch
 sysDescr:     Ethernet Routing Switch
4850GTS
 HW:10  FW:5.6.2.0   SW:v5.6.2.0
 sysObjectID:           1.3.6.1.4.1.45.3.78.4
 sysUpTime:         6 days, 02:51:40
 sysNtpTime:        NTP not synchronized.
 sysServices:           6
 sysContact:
 sysName:
 sysLocation:
 Stack sysAssetId:
 Unit sysAssetId:
 Operational license:   Base software
 Installed license:     Base
software
```

```
Unit #1:
 Switch Model:          4850GTS
 Pluggable Port 47:    (47) None
 Pluggable Port 48:    (48) None
 Pluggable Port 49:    (49) None
 Pluggable Port 50:    (50) None
 Hardware Version:      10
 Firmware Version:      5.6.2.0
 Firmware FLASH:         5.6.2.0
 Software Version:      v5.6.2.0
 Software FLASH:         v5.6.2.0
 Serial Number:         xxxxxxxxxxxx
 Manufacturing Date:    20120712
 Power Status:          Primary Power
```

```
Fan #1 Status:         Normal
Fan #2 Status:         Normal
Fan #3 Status:         Normal
```

Converting ERS 4850 to VSP 4000

Conversion is supported only to VSP 4000 software Release 3.0. If you need later versions of the VSP 4000 software, you must explicitly perform an upgrade after the conversion.

🛈 **Important:**
Do not reboot the system during conversion. Doing so can cause boot loader damage.

The conversion process can take approximately fifteen minutes to complete.

1. Install the USB drive into the front panel USB port.
2. Install the USB port cover:
   - Loosen the mounting bracket screws.
   - Slide the cover into position until it is flush with the front of the system.
   - Tighten the screws.
3. At the ERS 4850 console prompt, enter `show usb-files` and ensure that the file **ers2vsp.img** is on the USB drive.
4. Enter `download usb diag ers2vsp.img`. This automatically begins the conversion process.

   After the conversion completes successfully, the system displays the message `finished upgrading diag image`, and reboots.
5. On reboot, the VSP 4000 login prompt appears. Login using the following credentials.

   ```
   Login: rwa
   Password: ***
   ```
6. If you purchased an Advanced or Premier license, download and activate the license file. If you use a Base license, you do not need to install a license file.

   For more information about how to generate and install a license file, see *Avaya Virtual Services Platform 4000 Administration* NN46251–600.
7. (Optional) Upgrade to a future release of the VSP 4000 software.

   For more information on software upgrade, see *Release Notes Avaya Virtual Services Platform 4000* (NN46251–401).

Converting VSP 4000 to ERS 4850

Before you attempt to convert the VSP 4000 to ERS 4850, ensure that the VSP 4000 is running software release 3.0.0.0. Conversion is supported only from release 3.0.0.0.

⚛ **Note:**
You cannot perform conversion on a factory-shipped VSP 4000 system.

🛈 **Important:**
Do not reboot the system during conversion. Doing so could cause boot loader damage.

The conversion process is supported in Avaya CLI only.

1. Enter configuration mode.
2. At the VSP 4000 console prompt, enter **software convert vsp2ers**. This automatically begins the conversion process.

   At the prompt, enter **y** to continue, or **n** to cancel.
3. On reboot, the ERS 4850 login prompt appears. Login using the following credentials.

```
Login: rwa
Password: ***
```

Example

```
VSP-4850GTS:1#software convert vsp2ers
The convert command will change the mode of
operation from VSP 4000 to ERS.
It will change not only the image but also
the boot loader and diagnostics.
There may be boot loader damage, if system
is rebooted during command execution.
Important: Customers with an existing
Service Contract
Please contact your contract administrator
to update your service contract.
Failure to make note of any conversion from
VSP 4000 to ERS could result in delays or
possible denial of support/service.
```

```
Do you wish to continue (y/n) ?
```

When the conversion has completed, the ERS 4850 login prompt appears:

```
Login:
Password: ***
```

Important RMA information

In the event of a hardware failure requiring RMA of the base unit, customers who have converted their ERS 4850 rev 10 hardware to run VSP 4000 software must ship back the following to Avaya, for a replacement.

• The ERS 4850 PEC and Serial Number (SN)
• The VSP 4000 conversion kit PEC (EC4810003-3.0)