



Migrating ERS 5900 to ExtremeSwitching 5520 Series

Using ExtremeXOS® 31.1

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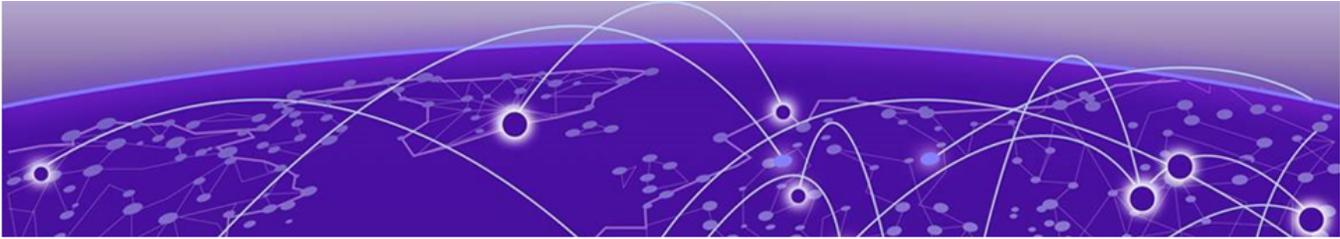
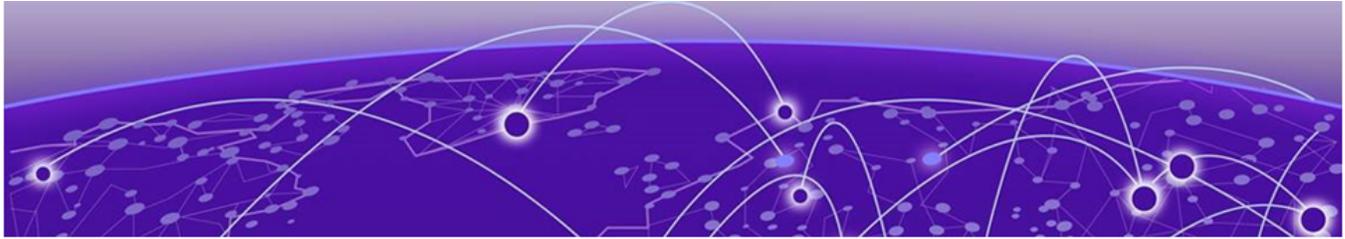


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Preface

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This document provides configuration examples to help you replace an existing Ethernet Routing Switch 5900 Series device with an ExtremeSwitching 5520 Series device.

For information about how to install the 5520 Series hardware and select an initial operating system, see the following documents:

- [ExtremeSwitching 5520 Series Quick Reference](#)
- [ExtremeSwitching 5520 Series Hardware Installation Guide](#)
- [Read Me First - Universal Hardware](#)

Documentation and Training

Find Extreme Networks product information at the following locations:

[Current Product Documentation](#)

[Release Notes](#)

[Hardware and software compatibility](#) for Extreme Networks products

[Extreme Optics Compatibility](#)

[Other resources](#) such as white papers, data sheets, and case studies

Extreme Networks offers product training courses, both online and in person, as well as specialized certifications. For details, visit www.extremenetworks.com/education/.

Getting Help

If you require assistance, contact Extreme Networks using one of the following methods:

[Extreme Portal](#)

Search the GTAC (Global Technical Assistance Center) knowledge base; manage support cases and service contracts; download software; and obtain product licensing, training, and certifications.

[The Hub](#)

A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

[Call GTAC](#)

For immediate support: (800) 998 2408 (toll-free in U.S. and Canada) or 1 (408) 579 2826. For the support phone number in your country, visit: www.extremenetworks.com/support/contact

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

Subscribe to Service Notifications

You can subscribe to email notifications for product and software release announcements, Vulnerability Notices, and Service Notifications.

1. Go to www.extremenetworks.com/support/service-notification-form.
2. Complete the form (all fields are required).
3. Select the products for which you would like to receive notifications.



Note

You can modify your product selections or unsubscribe at any time.

4. Select **Submit**.

Providing Feedback

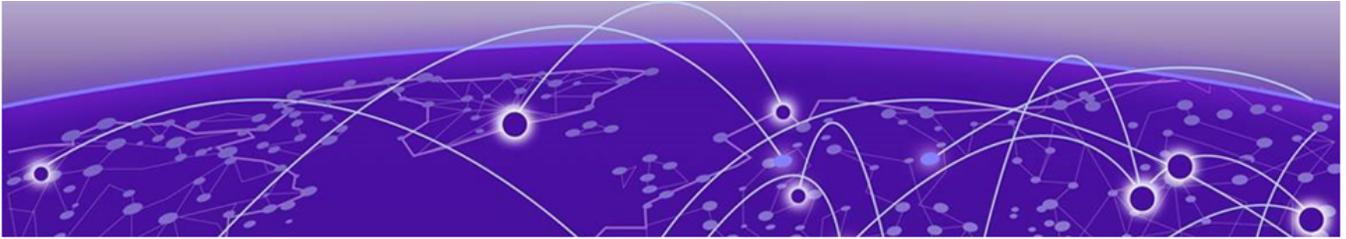
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Migrate the Configuration to ExtremeXOS

The following tables provide the CLI commands for a typical, basic Ethernet Routing Switch 5900 Series configuration and the ExtremeXOS commands required to achieve the same configuration. Compare the commands to assist you in recreating an Ethernet Routing Switch 5900 Series configuration using ExtremeXOS. These commands were tested using ERS 5900 Series 7.1.0 and ExtremeXOS 31.1.

Table 1: VLAN

<pre> ERS 5900 Series configure terminal no autosave enable vlan members remove 1 all vlan configcontrol automatic vlan create 10 name DATA type port vlan create 20 name VOICE type port vlan create 30 name WIRELESS type port vlan create 111 name SW-MGMT type port vlan members add 10 1-4 vlan members add 20 5-8 vlan members add 30 9-11 vlan mem add 111 12 vlan port 15-16 tagging tagall vlan member add 10,20,30 15-16 ip address 192.168.10.10 netmask 255.255.255.0 ip default-gateway 192.168.10.1 </pre>
<pre> ExtremeXOS configure vlan 1 delete ports all create vlan DATA tag 10 create vlan VOICE tag 20 create vlan WIRELESS tag 30 create vlan SW-MGMT tag 111 configure vlan DATA add ports 1-4 untagged configure vlan VOICE add ports 5-8 untagged configure vlan WIRELESS add ports 9-11 untagged configure vlan SW-MGMT add ports 12 untagged configure vlan DATA add ports 15-16 tagged configure vlan VOICE add ports 15-16 tagged configure vlan WIRELESS add ports 15-16 tagged configure vlan untagged-ports auto-move on configure vlan SW-MGMT ipaddress 192.168.10.10/24 configure iproute add default 192.168.10.1 </pre>

Table 2: SNMP

<pre> ERS 5900 Series snmp-server view snmpview +1.3 snmp-server user snmpuser md5 des read-view snmpview write-view snmpview </pre>
<pre> ExtremeXOS configure snmpv3 add user snmpuser authentication md5 snmpauthcred privacy des snmpprivcred configure snmpv3 add group admin user snmpuser sec-model usm enable snmp access enable snmp access snmpv3 </pre>

Table 3: SSH

Table 3: SSH (continued)

ERS 5900 Series
ssh
ExtremeXOS
enable ssh2

Table 4: System identification

ERS 5900 Series
snmp-server name Wire-Closet-Floor1-Switch1 snmp-server location HQ-Building snmp-server contact ACME-ABC
ExtremeXOS
configure snmp sysContact "ACME-ABC" configure snmp sysLocation "HQ-Building" configure snmp sysName "Wire-Closet-Floor1-Switch1"

Table 5: DNS

ERS 5900 Series
ip name-server 8.8.8.8
ExtremeXOS
configure dns-client add name-server 192.168.10.1 vr VR-Default configure dns-client add name-server 8.8.8.8 vr VR-Default configure dns-client add domain-suffix AMCE-ABC.com

Table 6: LAG/MLT

ERS 5900 Series
mlt 1 name LAG-1 mlt 1 member 15-16 mlt 1 enable
ExtremeXOS
enable sharing 15 grouping 15-16 algorithm address-based L2

Table 7: System access

ERS 5900 Series
cli password serial local #This command logs you out and you must log back in with default credentials RW/secure. Use the following command to change the password. username password
ExtremeXOS
configure account admin password

Table 8: Licensing

Table 8: Licensing (continued)

ExtremeXOS
install license file PRD-5000-PRMR.lic