

Ethernet Routing Switch 3500 Series Software Release 5.3.3

1. Release Summary

Release Date: 25-November-2016

Purpose: Software patch release to address customer and internally found software issues.

2. Important Notes Before Upgrading to This Release

None.

3. Platforms Supported

Ethernet Routing Switch 3500 (All models)

4. Notes for Upgrade

Please see "Ethernet Routing Switch 3500 Series, Configuration – System, Software Release 5.3" (available at <http://www.avaya.com/support>. Click Products, select Ethernet Routing Switch 3500 Series from the A-Z list, then select Documentation > View All Documents) for details on how to upgrade your Switch.

File Names for This Release

File Name	Module or File Type	File Size (bytes)
3500_533014.img	Agent code image	9,519,652
3500_533015s.img	Agent code image (SSH)	9,782,532

5. Version of Previous Release

Software Version 5.3.2.

6. Compatibility

This software release is managed with Enterprise Device Manager (EDM) which is integrated into the agent software.

7. Changes in This Release

7.1. New Features in This Release

Fabric Attach Proxy support

Fabric Attach Proxy functionality is now supported on all ERS 3500 models. FA Proxies support I-SID/VLAN assignment definition and have the ability to advertise these assignments for possible use by an FA Server, if connectivity permits.

For more information about FA Proxy, see *Configuring Fabric Attach on Avaya Ethernet Routing Switch 3500 Series*, NN47203-505.

PoE enhancements

A port can be configured to power up a non-standard Powered Device (PD) using the **poe poe-power-up-mode** command. The default power up mode for all ERS3500 models is 802.3af, except for ERS3550T-PWR+ for which the default is 802.3at. The port mode can be configured as high inrush to supply power to a legacy PD that requires more than 15W at power up.

The following ACLI command outputs are modified:

- **show poe-port-status**

```
3526T-PWR+(config)#show poe-port-status
      Admin   Current           Limit           Power-up
Port Status  Status           Classification (Watts) Priority Mode
-----
1   Enable   Detecting           0           32       Low      802.3af
2   Enable   Detecting           0           32       Low      802.3af
3   Enable   Detecting           0           32       Low      802.3af
```

- **show running-config**

```
3526T-PWR+#show running-config module poe
! Embedded ASCII Configuration Generator Script
! Model = Ethernet Routing Switch 3526T-PWR+
! Software version = v5.3.3.015
!
! Displaying only parameters different to default
!=====
enable
configure terminal
!
! *** PoE ***
!
interface Ethernet ALL
poe poe-power-up-mode port 2 pre-802.3at
poe poe-power-up-mode port 3 high-inrush
exit
```

The following ACLI command is new:

- **po e poe-power-up-mode [802.3af | high-inrush | port <portlist> | pre-802.3at | 802.3at]**

The 802.3at option is only available on ERS3550T-PWR+.

```
3526T-PWR+(config)#in fa 2
3526T-PWR+(config-if)#poe poe-power-up-mode pre-802.3at
3526T-PWR+#show poe-port-status
```

Port	Admin Status	Current Status	Classification	Limit (Watts)	Priority	Power-up Mode
1	Enable	Detecting	0	32	Low	802.3af
2	Enable	Detecting	0	32	Low	Pre802.3at
3	Enable	Detecting	0	32	Low	High Inrush

A new SNMP object is added:

```
bspePethPsePortExtPowerUpMode OBJECT-TYPE
    SYNTAX          INTEGER {
                    dot3af(1),
                    highInrush(2),
                    pre802dot3at(3),
                    dot3at(4)
                    }
    MAX-ACCESS      read-write
    STATUS          current
    DESCRIPTION
        "Describes the power up mode for the current port.
        The value dot3af(1) indicates an inrush current of 400mA-450mA.
        The value highInrush(2) indicates an inrush current as described
        by the Icut/Ilim (default is 700mA - 1.0A).
        The value pre802dot3at(3) indicates an inrush current
        of 400mA-450mA, which is switched to higher Ilim (700mA-1.0A)
        within 75 miliseconds, after the port is powered up.
        The value dot3at(4) indicates an inrush current as described
        by the Icut/Ilim (default is 700mA - 1.0A)."
```

```
::= { bspePethPsePortExtEntry 10 }
```

The value of dot3at is only valid for ERS3550T-PWR+.

There is no EDM support for this enhancement in this release.

7.2 Old Features Removed From This Release

None.

7.3 Problems Resolved in This Release

ERS3500-383 - DHCP functionality not working for some of the IP address range

ERS3500-436 - "cli password serial" fall back to local from radius after reboot of the switch

ERS3500-463 - VLAN membership not displayed correctly in the running configuration

ERS3500-465 - ERS 3500: Show system verbose or show tech doesn't show Switch Model

ERS3500-466 - ASCII configuration only shows the last entered level for remote system logging

ERS3500-474 - Authentication Failure logged on switch when EDM is launched from COM

ERS3500-475 - Port 49 on 3549 GTS PWR+ doesn't come up when connected to VSP 7254 XSQ on any port

ERS3500-478 - Disabling a port which is not connected, other port starts blinking

ERS3500-479 - Ports added to VLANs from 4001 and so on are not seen in running configuration

ERS3500-492 - Running show tech via on a non-base unit serial console can generate a switch reboot

ERS3500-493 - 3524GT-PWR+ has issues with learning MAC addresses of directly connected devices

ERS3500-495 - Internal DHCP Server NAKing Client DHCP REQUESTS Sent During IP Address Lease Renewal

ERS3500-496 - MAC address are not learnt for the ports, with ports being UP

ERS3500-498 - Base Unit Reboots with Exception tRadRecv As soon As Radius Accounting Enabled

ERS3500-499 - Unable to ping to the PCs on Non-base units from the Switch

8. Outstanding Issues

None.

9. Known Limitations

None.

10. Documentation Corrections

None.

For other known issues, please refer to the product release notes and technical documentation available from the Avaya Technical Support web site at: <http://www.avaya.com/support> .

11. Troubleshooting

As good practices of help for troubleshooting various issues, AVAYA recommends:

- configuring the device to use the Simple Network Time Protocol to synchronize the device clock;
- setting a remote logging server to capture all level logs, including informational ones. (#logging remote level informational).

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