

Arista Networks EOS 4.28.2.1F Release Notes

Version: 0.1

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EOS 4.28.2.1F Release Highlights

New Platforms and Hardware

SNMP MIBs

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Reference to MLAG ISSU Upgrade/Downgrade Table

Resolved Caveats in 4.28.2.1F

7289, 7500R3, DCS-7020, DCS-7130, DCS-7280R, DCS-7280R2, DCS-7280R3,
DCS-7500R, DCS-7500R2, DCS-7500R3 and DCS-7800R3 Series

DCS-7280R3, DCS-7500R3 and DCS-7800R3 Series

Known Software Caveats in 4.28.2.1F

7300X3, 7320X, 7358, 7368, 7388, CCS-710P, CCS-720DP, CCS-720DT, CCS-720XP,
CCS-750, DCS-7010, DCS-7050X, DCS-7050X2, DCS-7050X3, DCS-7050X4, DCS-7060,
DCS-7060X, DCS-7060X2, DCS-7060X4, DCS-7250X, DCS-7260X, DCS-7260X3,
DCS-7300X and DCS-7300X3 Series

Conditions and Impacts

EOS 4.28.2.1F Release Highlights

New Platforms and Hardware

- None

SNMP MIBs

- ARISTA-ACL-MIB
- ARISTA-ASIC-COUNTERS-MIB
- ARISTA-BGP4V2-MIB
- ARISTA-BRIDGE-EXT-MIB
- ARISTA-CONFIG-COPY-MIB
- ARISTA-CONFIG-MAN-MIB
- ARISTA-DAEMON-MIB
- ARISTA-ENTITY-SENSOR-MIB
- ARISTA-FIB-STATS-MIB
- ARISTA-GENERAL-MIB
- ARISTA-HARDWARE-UTILIZATION-MIB
- ARISTA-IF-MIB
 - 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-MAU-MIB
 - 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-NEXTHOP-GROUP-MIB
- ARISTA-PFC-MIB
 - 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-PRODUCTS-MIB
 - 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-QOS-MIB
- ARISTA-QUEUE-MIB
 - Excluding 7150
- ARISTA-REDUNDANCY-MIB
 - 7500R, 7500E, 7300X, 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-SMI-MIB
 - 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-SNMP-TRANSPORTS-MIB
 - 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- ARISTA-SW-IP-FORWARD-MIB
 - IPv4 only
- ARISTA-SW-IP-FORWARDING-MIB
- ARISTA-TEST-MIB
- ARISTA-VRF-MIB
- ARISTA-VXLAN-MIB
- ARISTA-XCVR-DWDM-MIB
- ARISTA-XGS-MIB

- ENTITY-MIB
- ENTITY-SENSOR-MIB
- ENTITY-STATE-MIB
- HC-RMON-MIB
 - etherStatsHighCapacityGroup
- HOST-RESOURCES-MIB
- IEEE8021-PFC-MIB
- IEEE8021-SECY-MIB
- IGMP-MIB
- IPMCAST-MIB
- IPMROUTE-STD-MIB
- LLDP-EXT-DOT1-MIB
- LLDP-EXT-DOT3-MIB
- LLDP-MIB
- MPLS-LDP-STD-MIB
- MPLS-TE-STD-MIB
- MSDP-MIB
- NOTIFICATION-LOG-MIB
- OSPF-TRAP-MIB
- OSPFV3-MIB
- PIM-MIB
- PTPBASE-MIB
- RFC 2863 IF-MIB
 - obsoletes RFCs 1229, 1573, 2233
- RFC 2864 IF-INVERTED-STACK-MIB
- RFC 3418 SNMPv2-MIB
 - obsoletes RFCs 1450, 1907
- RFC 3635 EtherLike-MIB
 - obsoletes RFCs 1650, 2358, 2665
- RFC 3636 MAU-MIB
 - ifMauDefaultType and ifMauAutoNegStatus are writeable
- RFC 4022 TCP-MIB
 - obsoletes RFC 1213
- RFC 4113 UDP-MIB
 - obsoletes RFC 1213
- RFC 4188 BRIDGE-MIB
- RFC 4273 BGP4-MIB
- RFC 4292 IP-FORWARD-MIB
 - obsoletes RFC 1354
- RFC 4293 IP-MIB
 - obsoletes RFC 1213
- RFC 4363 Q-BRIDGE-MIB
- RFC 4750 OSPF-MIB
- RMON-MIB
 - rmonEtherStatsGroup
- RMON2-MIB
 - rmon1EthernetEnhancementGroup

- SNMP-TLS-TM-MIB
 - RFC 6353
- SNMP-TSM-MIB
 - RFC 5591
- SNMPv2, SNMPv3
- VRRPV2-MIB

SNMP Traps

- ARISTA-BRIDGE-EXT-MIB
 - aristaMacMove, aristaMacLearn, aristaMacAge
- ARISTA-CONFIG-MAN-MIB
 - aristaConfigManEvent
- ARISTA-REDUNDANCY-MIB
 - aristaRedundancySwitchOverNotif only for: 7500R, 7500E, 7300X, 7050X2, 7060X, 7260X, 7320X, 7060X2, 7160, 7020R
- BGP4-MIB
 - bgpEstablished, bgpBackwardTransition
- ENTITY-MIB
 - entConfigChange
- ENTITY-STATE-MIB
 - entStateOperEnabled, entStateOperDisabled
- LLDP-MIB
 - lldpRemTablesChange
- MPLS-LDP-STD-MIB
 - mplsLdpSessionUp, mplsLdpSessionDown
- MSDP-MIB
 - msdpEstablished, msdpBackwardTransition
- NET-SNMP-AGENT-MIB
 - nsNotifyRestart
- OSPF-MIB
 - ospfNbrStateChange, ospfIfConfigError, ospfIfAuthFailure, ospfIfStateChange
- PIM-MIB
 - pimNeighborLoss
- RFC 2863 IF-MIB
 - linkUp, linkDown
- RFC 3418 SNMPv2-MIB
 - coldStart
- SNMPv2-MIB
 - authenticationFailure
- VRRPV2-MIB
 - vrrpTrapNewMaster

Supported Hardware

Fixed System

- CCS-710P-12
- CCS-710P-16P
- CCS-720DP-24S
- CCS-720DP-24S-2F
- CCS-720DP-24S-F
- CCS-720DT-24S
- CCS-720DT-24S-2F
- CCS-720DT-24S-F
- CCS-720XP-24Y6
- CCS-720XP-24Y6-F
- CCS-720XP-24Y6-R
- CCS-720XP-24ZY4
- CCS-720XP-24ZY4-F
- CCS-720XP-48Y6
- CCS-720XP-48Y6-F
- CCS-720XP-48Y6-R
- CCS-720XP-48ZC2
- CCS-720XP-48ZC2-F
- CCS-720XP-96ZC2
- CCS-720XP-96ZC2-F
- CCS-722XPM-48Y4
- CCS-722XPM-48Y4-F
- CCS-722XPM-48ZY8
- CCS-722XPM-48ZY8-F
- DCS-7010T-48
- DCS-7010T-48-DC
- DCS-7010T-48-DC-F
- DCS-7010T-48-DC-R
- DCS-7010T-48-F
- DCS-7010T-48-R
- DCS-7010TX-48
- DCS-7010TX-48-DC
- DCS-7010TX-48-DC-F
- DCS-7010TX-48-F
- DCS-7010TX-48-R
- DCS-7020SR-24C2
- DCS-7020SR-24C2-F
- DCS-7130-48L-R (HwRev:A2)
- DCS-7130-48L-R (HwRev:A3)
- DCS-7130-48LA (HwRev:A2)
- DCS-7130-48LA (HwRev:A3)
- DCS-7130-48LA-F (HwRev:A2)
- DCS-7130-48LA-F (HwRev:A3)
- DCS-7130-48LA-R (HwRev:A2)
- DCS-7130-48LA-R (HwRev:A3)
- DCS-7130-48LAS (HwRev:B2)
- DCS-7130-48LAS (HwRev:B3)
- DCS-7130-48LAS-F (HwRev:B2)
- DCS-7130-48LAS-F (HwRev:B3)
- DCS-7130-48LAS-R (HwRev:B2)
- DCS-7130-48LAS-R (HwRev:B3)
- DCS-7130-48LB (HwRev:A2)
- DCS-7130-48LB (HwRev:A3)
- DCS-7130-48LB-F (HwRev:A2)
- DCS-7130-48LB-F (HwRev:A3)
- DCS-7130-48LB-R (HwRev:A2)
- DCS-7130-48LB-R (HwRev:A3)
- DCS-7130-48LBA (HwRev:A2)
- DCS-7130-48LBA (HwRev:A3)
- DCS-7130-48LBA-F (HwRev:A2)
- DCS-7130-48LBA-F (HwRev:A3)
- DCS-7130-48LBA-R (HwRev:A2)
- DCS-7130-48LBA-R (HwRev:A3)
- DCS-7130-48LBAS (HwRev:B2)
- DCS-7130-48LBAS (HwRev:B3)
- DCS-7130-48LBAS-F (HwRev:B2)
- DCS-7130-48LBAS-F (HwRev:B3)
- DCS-7130-48LBAS-R (HwRev:B2)
- DCS-7130-48LBAS-R (HwRev:B3)
- DCS-7130-48LBS (HwRev:B2)
- DCS-7130-48LBS (HwRev:B3)
- DCS-7130-48LBS-F (HwRev:B2)
- DCS-7130-48LBS-F (HwRev:B3)
- DCS-7130-48LBS-R (HwRev:B2)
- DCS-7130-48LBS-R (HwRev:B3)
- DCS-7280CR3MK-32D4S-R
- DCS-7280CR3MK-32P4
- DCS-7280CR3MK-32P4-F
- DCS-7280CR3MK-32P4-R
- DCS-7280CR3MK-32P4S
- DCS-7280CR3MK-32P4S-F
- DCS-7280CR3MK-32P4S-R
- DCS-7280DR3-24
- DCS-7280DR3-24-F
- DCS-7280DR3-24-M-F
- DCS-7280DR3K-24
- DCS-7280DR3K-24-F
- DCS-7280PR3-24
- DCS-7280PR3-24-F
- DCS-7280PR3-24-M-F
- DCS-7280PR3K-24
- DCS-7280PR3K-24-F
- DCS-7280QR-C36
- DCS-7280QR-C36-F
- DCS-7280QR-C36-M-F
- DCS-7280QR-C36-M-R
- DCS-7280QR-C36-R
- DCS-7280QR-C72
- DCS-7280QR-C72-F
- DCS-7280QR-C72-M-F
- DCS-7280QR-C72-M-R
- DCS-7280QR-C72-R
- DCS-7280QRA-C36S
- DCS-7280QRA-C36S-F
- DCS-7280QRA-C36S-M-F
- DCS-7280QRA-C36S-M-R
- DCS-7280QRA-C36S-R
- DCS-7280SR-48C6
- DCS-7280SR-48C6-F
- DCS-7280SR-48C6-M-F
- DCS-7280SR-48C6-M-R
- DCS-7280SR-48C6-R
- DCS-7280SR2-48YC6

- DCS-7020SR-24C2-R
- DCS-7020SR-32C2
- DCS-7020SR-32C2-F
- DCS-7020SR-32C2-R
- DCS-7020SRG-24C2
- DCS-7020SRG-24C2-F
- DCS-7020SRG-24C2-R
- DCS-7020TR-48
- DCS-7020TR-48-F
- DCS-7020TR-48-R
- DCS-7020TRA-48
- DCS-7020TRA-48-F
- DCS-7020TRA-48-R
- DCS-7050CX3-32S
- DCS-7050CX3-32S-F
- DCS-7050CX3-32S-R
- DCS-7050CX3-32S-SSD-F
- DCS-7050CX3-32S-SSD-R
- DCS-7050CX3M-32S
- DCS-7050CX3M-32S-F
- DCS-7050CX3M-32S-R
- DCS-7050DX4-32S
- DCS-7050DX4-32S-F
- DCS-7050PX4-32S
- DCS-7050PX4-32S-F
- DCS-7050QX-32S
- DCS-7050QX-32S-F
- DCS-7050QX-32S-R
- DCS-7050QX-32S-SSD-F
- DCS-7050QX-32S-SSD-R
- DCS-7050QX2-32S
- DCS-7050QX2-32S-F
- DCS-7050QX2-32S-R
- DCS-7050SX-128
- DCS-7050SX-128-F
- DCS-7050SX-128-R
- DCS-7050SX-128-SSD-F
- DCS-7050SX-128-SSD-R
- DCS-7050SX-64
- DCS-7050SX-64-F
- DCS-7050SX-64-R
- DCS-7050SX-64-SSD-F
- DCS-7050SX-64-SSD-R
- DCS-7050SX-72
- DCS-7050SX-72-F
- DCS-7050SX-72-R
- DCS-7130-48LS (HwRev:B2)
- DCS-7130-48LS (HwRev:B3)
- DCS-7130-48LS-F (HwRev:B2)
- DCS-7130-48LS-F (HwRev:B3)
- DCS-7130-48LS-R (HwRev:B2)
- DCS-7130-48LS-R (HwRev:B3)
- DCS-7130-96 (HwRev:A7)
- DCS-7130-96 (HwRev:A8)
- DCS-7130-96-F (HwRev:A7)
- DCS-7130-96-F (HwRev:A8)
- DCS-7130-96-R (HwRev:A7)
- DCS-7130-96-R (HwRev:A8)
- DCS-7130-96E (HwRev:A7)
- DCS-7130-96E-F (HwRev:A7)
- DCS-7130-96E-R (HwRev:A7)
- DCS-7130-96L (HwRev:A2)
- DCS-7130-96L (HwRev:A3)
- DCS-7130-96L-F (HwRev:A2)
- DCS-7130-96L-F (HwRev:A3)
- DCS-7130-96L-R (HwRev:A2)
- DCS-7130-96L-R (HwRev:A3)
- DCS-7130-96LA (HwRev:A2)
- DCS-7130-96LA (HwRev:A3)
- DCS-7130-96LA-F (HwRev:A2)
- DCS-7130-96LA-F (HwRev:A3)
- DCS-7130-96LA-R (HwRev:A2)
- DCS-7130-96LA-R (HwRev:A3)
- DCS-7130-96LAS (HwRev:B1)
- DCS-7130-96LAS (HwRev:B2)
- DCS-7130-96LAS-F (HwRev:B1)
- DCS-7130-96LAS-F (HwRev:B2)
- DCS-7130-96LAS-R (HwRev:B1)
- DCS-7130-96LAS-R (HwRev:B2)
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- DCS-7130-96LBA (HwRev:A3)
- DCS-7130-96LBA-F (HwRev:A2)
- DCS-7130-96LBA-F (HwRev:A3)
- DCS-7130-96LBA-R (HwRev:A2)
- DCS-7130-96LBA-R (HwRev:A3)
- DCS-7130-96LBAS (HwRev:B1)
- DCS-7280SR2-48YC6-F
- DCS-7280SR2-48YC6-M-F
- DCS-7280SR2-48YC6-M-R
- DCS-7280SR2-48YC6-R
- DCS-7280SR2A-48YC6
- DCS-7280SR2A-48YC6-F
- DCS-7280SR2A-48YC6-M-F
- DCS-7280SR2A-48YC6-M-R
- DCS-7280SR2A-48YC6-R
- DCS-7280SR2K-48C6
- DCS-7280SR2K-48C6-M-F
- DCS-7280SR2K-48C6-M-R
- DCS-7280SR3-40YC6
- DCS-7280SR3-40YC6-F
- DCS-7280SR3-40YC6-R
- DCS-7280SR3-48YC8
- DCS-7280SR3-48YC8-F
- DCS-7280SR3-48YC8-R
- DCS-7280SR3E-40YC6
- DCS-7280SR3E-40YC6-F
- DCS-7280SR3E-40YC6-R
- DCS-7280SR3K-48YC8
- DCS-7280SR3K-48YC8-F
- DCS-7280SR3K-48YC8-R
- DCS-7280SR3K-48YC8A
- DCS-7280SR3K-48YC8A-F
- DCS-7280SR3K-48YC8A-R
- DCS-7280SR3M-48YC8
- DCS-7280SR3M-48YC8-F
- DCS-7280SR3M-48YC8-R
- DCS-7280SRA-48C6
- DCS-7280SRA-48C6-F
- DCS-7280SRA-48C6-M-F
- DCS-7280SRA-48C6-M-R
- DCS-7280SRA-48C6-R
- DCS-7280SRAM-48C6
- DCS-7280SRAM-48C6-F
- DCS-7280SRAM-48C6-R
- DCS-7280SRM-40CX2
- DCS-7280SRM-40CX2-F
- DCS-7280SRM-40CX2-R
- DCS-7280TR-48C6
- DCS-7280TR-48C6-F
- DCS-7280TR-48C6-M-F
- DCS-7280TR-48C6-M-R
- DCS-7280TR-48C6-R

- DCS-7050SX-72-SSD-F
- DCS-7050SX-72-SSD-R
- DCS-7050SX-72Q
- DCS-7050SX-72Q-F
- DCS-7050SX-72Q-R
- DCS-7050SX-96
- DCS-7050SX-96-F
- DCS-7050SX-96-R
- DCS-7050SX-96-SSD-F
- DCS-7050SX-96-SSD-R
- DCS-7050SX2-128
- DCS-7050SX2-128-F
- DCS-7050SX2-128-R
- DCS-7050SX2-72Q
- DCS-7050SX2-72Q-F
- DCS-7050SX2-72Q-R
- DCS-7050SX3-48C8
- DCS-7050SX3-48C8-F
- DCS-7050SX3-48C8-R
- DCS-7050SX3-48YC12
- DCS-7050SX3-48YC12-F
- DCS-7050SX3-48YC8
- DCS-7050SX3-48YC8-F
- DCS-7050SX3-48YC8-R
- DCS-7050SX3-96YC8
- DCS-7050SX3-96YC8-F
- DCS-7050SX3-96YC8-R
- DCS-7050TX-128
- DCS-7050TX-128-F
- DCS-7050TX-128-R
- DCS-7050TX-128-SSD-F
- DCS-7050TX-128-SSD-R
- DCS-7050TX-48
- DCS-7050TX-48-F
- DCS-7050TX-48-R
- DCS-7050TX-48-SSD-F
- DCS-7050TX-48-SSD-R
- DCS-7050TX-64
- DCS-7050TX-64-F
- DCS-7050TX-64-R
- DCS-7050TX-64-SSD-F
- DCS-7050TX-64-SSD-R
- DCS-7050TX-72
- DCS-7050TX-72-F
- DCS-7050TX-72-R
- DCS-7130-96LBAS-F (HwRev:B1)
- DCS-7130-96LBAS-R (HwRev:B1)
- DCS-7130-96LBS (HwRev:B1)
- DCS-7130-96LBS (HwRev:B2)
- DCS-7130-96LBS-F (HwRev:B1)
- DCS-7130-96LBS-F (HwRev:B2)
- DCS-7130-96LBS-R (HwRev:B1)
- DCS-7130-96LBS-R (HwRev:B2)
- DCS-7130-96LS (HwRev:B1)
- DCS-7130-96LS (HwRev:B2)
- DCS-7130-96LS-F (HwRev:B1)
- DCS-7130-96LS-F (HwRev:B2)
- DCS-7130-96LS-R (HwRev:B1)
- DCS-7130-96LS-R (HwRev:B2)
- DCS-7130-96S (HwRev:B1)
- DCS-7130-96S-F (HwRev:B1)
- DCS-7130-96S-R (HwRev:B1)
- DCS-7130LBR-48S6QD
- DCS-7130LBR-48S6QD-F
- DCS-7130LBR-48S6QD-R
- DCS-7170-32C
- DCS-7170-32C-F
- DCS-7170-32C-M-F
- DCS-7170-32C-M-R
- DCS-7170-32C-R
- DCS-7170-32CD
- DCS-7170-32CD-F
- DCS-7170-32CD-R
- DCS-7170-64C
- DCS-7170-64C-F
- DCS-7170-64C-M-F
- DCS-7170-64C-M-R
- DCS-7170-64C-R
- DCS-7250QX-64
- DCS-7250QX-64-F
- DCS-7250QX-64-R
- DCS-7250QX-64-SSD-F
- DCS-7250QX-64-SSD-R
- DCS-7260CX-64
- DCS-7260CX-64-F
- DCS-7260CX-64-R
- DCS-7260CX-64-SSD-F
- DCS-7260CX-64-SSD-R
- DCS-7260CX3-64
- DCS-7260CX3-64-F
- DCS-7280TRA-48C6
- DCS-7280TRA-48C6-F
- DCS-7280TRA-48C6-M-F
- DCS-7280TRA-48C6-M-R
- DCS-7280TRA-48C6-R
- FAN-7000
- FAN-7000-F
- FAN-7000-R
- FAN-7000H-R
- FAN-7001C
- FAN-7001C-F
- FAN-7001C-R
- FAN-7001D
- FAN-7001D-F
- FAN-7001DH
- FAN-7001DH-F
- FAN-7002H
- FAN-7002H-R
- FAN-7010
- FAN-7010X
- FAN-7011H
- FAN-7011H-F
- FAN-7011H-R
- FAN-7011M
- FAN-7011M-F
- FAN-7011M-R
- FAN-7012H-BLUE
- FAN-7012H-RED
- FAN-7012M-BLUE
- FAN-7012M-RED
- FAN-7130-1U
- FAN-7130-1U-F
- FAN-7130-1U-R
- FAN-7130-2U
- FAN-7130-2U-F
- FAN-7130-2U-R
- PWR-1011-AC-BLUE
- PWR-1011-AC-RED
- PWR-1011-DC-BLUE
- PWR-1011-DC-RED
- PWR-1021-AC-RED
- PWR-1100AC
- PWR-1100AC-F
- PWR-1100AC-R
- PWR-1511-AC-BLUE

• DCS-7050TX-72-SSD-F	• DCS-7260CX3-64-R	• PWR-1511-AC-RED
• DCS-7050TX-72-SSD-R	• DCS-7260CX3-64E	• PWR-1511-DC-BLUE
• DCS-7050TX-72Q	• DCS-7260CX3-64E-F	• PWR-1511-DC-RED
• DCS-7050TX-72Q-F	• DCS-7260CX3-64E-R	• PWR-1600AC
• DCS-7050TX-72Q-R	• DCS-7260CX3-64LQ	• PWR-1600AC-F
• DCS-7050TX-96	• DCS-7260CX3-64LQ-F	• PWR-1611-AC-RED
• DCS-7050TX-96-F	• DCS-7260CX3-64LQ-R	• PWR-1611-DC-RED
• DCS-7050TX-96-R	• DCS-7260QX-64	• PWR-1900-DC
• DCS-7050TX-96-SSD-F	• DCS-7260QX-64-F	• PWR-1900-DC-F
• DCS-7050TX-96-SSD-R	• DCS-7260QX-64-R	• PWR-1900-DC-R
• DCS-7050TX2-128	• DCS-7260QX-64-SSD-F	• PWR-1900AC
• DCS-7050TX2-128-F	• DCS-7260QX-64-SSD-R	• PWR-1900AC-F
• DCS-7050TX2-128-R	• DCS-7280CR-48	• PWR-1900AC-R
• DCS-7050TX3-48C8	• DCS-7280CR-48-F	• PWR-2021-AC-RED
• DCS-7050TX3-48C8-F	• DCS-7280CR2-60	• PWR-2411-AC-RED
• DCS-7050TX3-48C8-R	• DCS-7280CR2-60-F	• PWR-2411-DC-RED
• DCS-7060CX-32S	• DCS-7280CR2A-30	• PWR-3001-AC-BLUE
• DCS-7060CX-32S (HwRev: 13.20)	• DCS-7280CR2A-30-F	• PWR-3001-AC-RED
• DCS-7060CX-32S-F	• DCS-7280CR2A-60	• PWR-3001-DC-BLUE
• DCS-7060CX-32S-F (HwRev: 13.20)	• DCS-7280CR2A-60-F	• PWR-3001-DC-RED
• DCS-7060CX-32S-R	• DCS-7280CR2K-30	• PWR-400-DC-BLUE
• DCS-7060CX-32S-R (HwRev: 13.20)	• DCS-7280CR2K-30-F	• PWR-400-DC-RED
• DCS-7060CX2-32S	• DCS-7280CR2K-60	• PWR-400AC-BLUE
• DCS-7060CX2-32S-F	• DCS-7280CR2K-60-F	• PWR-400AC-RED
• DCS-7060CX2-32S-R	• DCS-7280CR2M-30	• PWR-460AC
• DCS-7060DX4-32	• DCS-7280CR2M-30-F	• PWR-460AC-F
• DCS-7060DX4-32-F	• DCS-7280CR3-32D4	• PWR-460AC-R
• DCS-7060PX4-32	• DCS-7280CR3-32D4-F	• PWR-460DC
• DCS-7060PX4-32-F	• DCS-7280CR3-32D4-M-F	• PWR-460DC-F
• DCS-7060SX2-48YC6	• DCS-7280CR3-32D4-M-R	• PWR-460DC-R
• DCS-7060SX2-48YC6-F	• DCS-7280CR3-32D4-R	• PWR-500-DC
• DCS-7060SX2-48YC6-R	• DCS-7280CR3-32P4	• PWR-500-DC-F
• DCS-7130-16G3 (HwRev:C1)	• DCS-7280CR3-32P4-F	• PWR-500-DC-R
• DCS-7130-16G3-F (HwRev:C1)	• DCS-7280CR3-32P4-M-F	• PWR-500AC
• DCS-7130-16G3-R (HwRev:C1)	• DCS-7280CR3-32P4-M-R	• PWR-500AC-F
• DCS-7130-16G3S (HwRev:D1)	• DCS-7280CR3-32P4-R	• PWR-500AC-R
• DCS-7130-16G3S-F (HwRev:D1)	• DCS-7280CR3-36S	• PWR-501AC
• DCS-7130-16G3S-R (HwRev:D1)	• DCS-7280CR3-36S-F	• PWR-501AC-F
• DCS-7130-48E (HwRev:A4)	• DCS-7280CR3-96	• PWR-501AC-R
• DCS-7130-48E-F (HwRev:A4)	• DCS-7280CR3-96-F	• PWR-511-AC-BLUE
• DCS-7130-48E-R (HwRev:A4)	• DCS-7280CR3K-32D4	• PWR-511-AC-RED
• DCS-7130-48EH (HwRev:A4)	• DCS-7280CR3K-32D4-F	• PWR-511-DC-BLUE
• DCS-7130-48EH-F (HwRev:A4)	• DCS-7280CR3K-32D4-R	• PWR-511-DC-RED
• DCS-7130-48EH-R (HwRev:A4)	• DCS-7280CR3K-32D4A	• PWR-621-AC-BLUE

- DCS-7130-48EHS (HwRev:B1) • DCS-7280CR3K-32D4A-F
- DCS-7130-48EHS (HwRev:B2) • DCS-7280CR3K-32D4A-R
- DCS-7130-48EHS-F (HwRev:B1) • DCS-7280CR3K-32P4
- DCS-7130-48EHS-F (HwRev:B2) • DCS-7280CR3K-32P4-F
- DCS-7130-48EHS-R (HwRev:B1) • DCS-7280CR3K-32P4-R
- DCS-7130-48EHS-R (HwRev:B2) • DCS-7280CR3K-32P4A
- DCS-7130-48G3 (HwRev:B1) • DCS-7280CR3K-32P4A-F
- DCS-7130-48G3 (HwRev:B2) • DCS-7280CR3K-32P4A-R
- DCS-7130-48G3-F (HwRev:B1) • DCS-7280CR3K-36A
- DCS-7130-48G3-F (HwRev:B2) • DCS-7280CR3K-36A-F
- DCS-7130-48G3-R (HwRev:B1) • DCS-7280CR3K-36S
- DCS-7130-48G3-R (HwRev:B2) • DCS-7280CR3K-36S-F
- DCS-7130-48G3S (HwRev:C1) • DCS-7280CR3K-96
- DCS-7130-48G3S-F (HwRev:C1) • DCS-7280CR3K-96-F
- DCS-7130-48G3S-R (HwRev:C1) • DCS-7280CR3MK-32D4
- DCS-7130-48L (HwRev:A2) • DCS-7280CR3MK-32D4-F
- DCS-7130-48L (HwRev:A3) • DCS-7280CR3MK-32D4-R
- DCS-7130-48L-F (HwRev:A2) • DCS-7280CR3MK-32D4S
- DCS-7130-48L-F (HwRev:A3) • DCS-7280CR3MK-32D4S-F
- PWR-621-AC-RED
- PWR-721-DC-RED
- PWR-745AC
- PWR-745AC-F
- PWR-745AC-R
- PWR-747AC
- PWR-747AC-F
- PWR-747AC-R
- PWR-750AC
- PWR-750AC-F
- PWR-750AC-R
- FAN-7000H
- FAN-7000H-F
- FAN-7002
- FAN-7002-F
- FAN-7002-R
- FAN-7002H-F
- FAN-7012MP-RED

Modular

- FAN-7000H
- FAN-7000H-F
- FAN-7002
- FAN-7002-F
- FAN-7002-R
- FAN-7002H-F
- FAN-7012MP-RED
- 7289
- 7289-SUP
- 7289-SUP-D
- 7289R3A-SC
- 7289R3AK-SC
- 7289R3AM-SC
- 7300-SUP
- 7300-SUP-D
- 7300X-32Q-LC
- 7300X-64S-LC
- 7300X-64T-LC
- 7300X3-32C-LC
- 7300X3-48TC4-LC
- 7300X3-48YC4-LC
- 7304X-FM
- 7304X3-FM
- 7304X3-FM2
- 7308X-FM
- 7500R-36Q-LC
- 7500R-48S2CQ-LC
- 7500R-8CFPX-LC
- 7500R2-18CQ-LC
- 7500R2-36CQ-LC
- 7500R2A-36CQ-LC
- 7500R2AK-36CQ-LC
- 7500R2AK-48YCQ-LC
- 7500R2AM-36CQ-LC
- 7500R2M-36CQ-LC
- 7500R3-24D-LC
- 7500R3-24P-LC
- 7500R3-36CQ-LC
- 7500R3-48Y4D-LC
- 7500R3K-36CQ-LC
- 7500R3K-48Y4D-LC
- 7500RM-36CQ-LC
- 7504R-FM
- 7504R3-FM
- 7508R-FM
- 7508R3-FM
- 7512R-FM
- 7512R3-FM
- 7516R-FM
- 7800R3-36D-LC
- 7816R3-FM
- CCS-750-SUP100
- CCS-750-SUP25
- CCS-750X-48THP-LC
- CCS-750X-48TP-LC
- CCS-750X-48ZP-LC
- CCS-750X-48ZXP-LC
- CCS-755-CH
- CCS-755-X3-SC
- CCS-758-CH
- CCS-758-X3-SC
- DCS-7304
- DCS-7308
- DCS-7500-SUP2
- DCS-7500-SUP2-D
- DCS-7504
- DCS-7504N
- DCS-7508
- DCS-7508N
- DCS-7512N
- DCS-7516-SUP2
- DCS-7516-SUP2-D
- DCS-7516N
- DCS-7800-SUP
- DCS-7800-SUP1A

- 7308X3-FM
- 7308X3-FM2
- 7320X-32C-LC
- 7324X-FM
- 7328X-FM
- 7358-16C
- 7358X4-SC
- 7368
- 7368-16C
- 7368-16S
- 7368-4D
- 7368-4P
- 7368-SUP
- 7368-SUP-D
- 7368X4-SC
- 7388
- 7388-16CD
- 7388-16CD2
- 7388-8D
- 7388-SUP
- 7388-SUP-D
- 7388X5-SC
- 7500R-36CQ-LC
- 7800R3-36P-LC
- 7800R3-48CQ-LC
- 7800R3-48CQ2-LC
- 7800R3-48CQM-LC
- 7800R3-48CQM2-LC
- 7800R3-48CQMS-LC
- 7800R3A-36D-LC
- 7800R3A-36D2-LC
- 7800R3A-36DM-LC
- 7800R3A-36DM2-LC
- 7800R3A-36P-LC
- 7800R3A-36PM-LC
- 7800R3AK-36DM-LC
- 7800R3AK-36DM2-LC
- 7800R3AK-36PM-LC
- 7800R3K-36DM-LC
- 7800R3K-48CQ-LC
- 7800R3K-72Y-LC
- 7804R3-FM
- 7808R3-FM
- 7808R3-FM2
- 7812R3-FM
- DCS-7800-SUP1S
- DCS-7804-CH
- DCS-7808-CH
- DCS-7812-CH
- DCS-7816-CH
- DCS-7816-SUP
- DCS-7816-SUP1S
- FAN-752M-RED
- PWR-2421-HV-RED
- PWR-2700-DC
- PWR-2700-DC-F
- PWR-2700-DC-R
- PWR-2900AC
- PWR-3351-AC-RED
- PWR-3K-AC
- PWR-3K-AC-F
- PWR-3K-AC-R
- PWR-3K-DC-BLUE
- PWR-3K-DC-RED
- PWR-3KT-AC-BLUE
- PWR-3KT-AC-RED
- PWR-D1-3041-AC-BLUE

Transceiver

- 1000BASE-BX10
- 1000BASE-BX10-D
- 1000BASE-BX10-U
- 1000BASE-LX
- 1000BASE-SX
- 1000BASE-T
- 100BASE-FX
- 100GBASE-AOC
- 100GBASE-CR4
- 100GBASE-CWDM4
- 100GBASE-DR
- 100GBASE-ERL4
- 100GBASE-FR
- 100GBASE-LR
- 100GBASE-LR4
- 100GBASE-LRL4
- 100GBASE-PLR4
- 100GBASE-PLRL4
- 100GBASE-PSM4
- 100GBASE-SR4
- 100GBASE-SRBD
- 200GBASE-CR4
- 200GBASE-SR4
- 25GBASE-AOC
- 25GBASE-CR
- 25GBASE-LR
- 25GBASE-SR
- 25GBASE-XSR
- 40GBASE-AOC
- 40GBASE-CR4
- 40GBASE-ER4
- 40GBASE-LR4
- 40GBASE-LRL4
- 40GBASE-PLR4
- 40GBASE-PLRL4
- 40GBASE-SR4
- 40GBASE-SRBD
- 40GBASE-UNIV
- 40GBASE-XSR4
- 50GBASE-CR
- ADPT-O-Q-100G
- AOC-D-D-400G
- CFPX-200G-DWDM
- H-D400-4Q100
- H-O400-4Q100
- OSFP-200G-2LR4
- OSFP-400-2FR4-LC
- OSFP-400G-2FR4
- OSFP-400G-DR4
- OSFP-400G-FR4
- OSFP-400G-LR4
- OSFP-400G-LR8
- OSFP-400G-PLR4
- OSFP-400G-PLR4-S
- OSFP-400G-SR8
- OSFP-400G-XDR4
- OSFP-400G-XDR4-S
- OSFP-400G-ZR
- OSFP-400G-ZRP
- OSFP-AMP-ZR
- QDD-200G-2LR4
- QDD-400G-DR4
- QDD-400G-FR4

- 100GBASE-SWDM4
- 100GBASE-XCWDM4
- 100GBASE-XSR4
- 100GE-DWDM2
- 10GBASE-AOC
- 10GBASE-CR
- 10GBASE-DWDM
- 10GBASE-DWDM-T
- 10GBASE-DWDM-ZR
- 10GBASE-ER
- 10GBASE-ERBD
- 10GBASE-ERBD-D
- 10GBASE-ERBD-U
- 10GBASE-ERLBD
- 10GBASE-ERLBD-D
- 10GBASE-ERLBD-U
- 10GBASE-LR
- 10GBASE-LRL
- 10GBASE-SR
- 10GBASE-SRL
- 10GBASE-ZR
- AOC-O-O-400G
- CAB-D-2Q-200G
- CAB-D-2Q-400G
- CAB-D-4Q-200G
- CAB-D-4Q-400G
- CAB-D-8S-200G
- CAB-D-8S-400G
- CAB-D-D-400G
- CAB-O-2Q-200G
- CAB-O-2Q-400G
- CAB-O-4Q-200G
- CAB-O-4Q-400G
- CAB-O-8S-200G
- CAB-O-8S-400G
- CAB-O-O-400G
- CAB-Q-2Q-100G
- CFP2-100G-DWDM-DCO
- CFP2-100GBASE-ER4
- CFP2-100GBASE-LR4
- CFP2-100GBASE-XSR10
- CFPX-100G-DWDM
- QDD-400G-LR4
- QDD-400G-LR8
- QDD-400G-PLR4
- QDD-400G-PLR4-S
- QDD-400G-SR8
- QDD-400G-SR8-C
- QDD-400G-XDR4
- QDD-400G-XDR4-S
- QDD-400G-ZR
- QDD-400G-ZRP
- QSFP-200G-AR4
- QSFP-200G-FR4
- SFP-10G-MRA-T
- SFP-10G-T
- SFP-10GRA-T
- SFP-25G-MR-LR
- SFP-25G-MR-SR
- SFP-25G-MR-XSR
- SFP-25GR-LR
- SFP-25GR-SR
- SFP-25GR-XSR

Reference to MLAG ISSU Upgrade/Downgrade Table

<https://www.arista.com/en/support/mlag-portal>

Resolved Caveats in 4.28.2.1F

7289, 7500R3, DCS-7020, DCS-7130, DCS-7280R, DCS-7280R2, DCS-7280R3, DCS-7500R, DCS-7500R2, DCS-7500R3 and DCS-7800R3 Series

- PTP internal time synchronization could be disrupted. When this happens, the message 'HARDWARE-3-TIMESYNC_ERROR' will be logged. The internal time synchronization and PTP will recover shortly without any user intervention. (711771)

DCS-7280R3, DCS-7500R3 and DCS-7800R3 Series

- Invalid packet ingress timestamps may be recorded following a link flap, resulting in high PTP offset and path delay values.

Flap (shutdown followed by no-shutdown) ports that are reporting high PTP offset and path delay. (712355)

Known Software Caveats in 4.28.2.1F

7300X3, 7320X, 7358, 7368, 7388, CCS-710P, CCS-720DP, CCS-720DT, CCS-720XP, CCS-750, DCS-7010, DCS-7050X, DCS-7050X2, DCS-7050X3, DCS-7050X4, DCS-7060, DCS-7060X, DCS-7060X2, DCS-7060X4, DCS-7250X, DCS-7260X, DCS-7260X3, DCS-7300X and DCS-7300X3 Series

- 1000BASE-T ports may fail to link up when 'platform trident clock rate high' CLI configuration is in use.

Workaround is to run 'shutdown' followed by 'no shutdown' on the affected interfaces. In some cases, the workaround may be needed to be applied multiple times. (726886)

SKUs Affected: CCS-720DP-24S and CCS-720DT-24S

Conditions and Impacts

The release notes listed above use shorthand terminology to refer to conditions that arise frequently in connection with bugs. This section explains each condition and its impact in more detail.

Condition: Rib agent restart

Impact: When the Rib agent goes down, all routing sessions are terminated; all BGP sessions drop, all OSPF adjacencies are lost, and neighbors stop forwarding

traffic to us. When the Rib agent restarts, adjacencies are re-formed, and, after protocol convergence, traffic flows through us again. In most cases where there is adequate network-level redundancy, application-visible impact should be minimal

Condition: Rib agent hang

Impact: When the Rib agent hangs, routing protocols stop running. Routing peers will generally time out their session with the hung Rib agent, withdrawing routes accordingly. Meanwhile, the device continues to forward packets based on existing routing state. During this time, the device will not respond to routing topology changes. After a heartbeat timer expires (typically 10 minutes), the Rib agent restarts. In networks with sufficient redundancy, application impact of a Rib agent hang is usually low, because there is no data path disruption. However, in conjunction with other network changes (such as link failure or introduction), routing loops may occur.

Condition: kernel crash

Impact: A kernel crash has impact similar to issuing the "reload now" command. All links go down and all forwarding stops. Then, the system reloads, which may take up to 15 minutes. In a network with adequate redundancy, there should be minimal traffic loss associated with this period. After reload, links come up and protocols (LACP, STP, BGP, etc) reconverge. Protocol reconvergence is not necessarily hitless, depending on topology and configuration. For example, a switch may advertise a prefix to a connected subnet before STP has converged. However, any associated outage should be short lived, typically lasting around 30 seconds. The MLAG-SSO feature can dramatically reduce the window of disruption.

Condition: forwarding agent restart

Impact: A forwarding agent restart typically results in the switch ASIC being reset. It clears packet memory, dropping all packets currently in the switch, and causes all links to go down. The restart can take up to 45 seconds, during which time all links are down. Once the restart completes, all links come back up automatically, followed by protocol reconvergence (MLAG, LACP, STP, BGP/OSPF/IS-IS, etc). Depending on which protocols and options are in use, the reconvergence may take a few seconds up through several minutes. On modular switches, the impact of forwarding agent restart is limited to the affected line card; that is, if the forwarding agent for line card 3 restarts, then all ports on line card 3 bounce and protocols on those ports reconverge, but ports on other line cards are unaffected.