Dell EMC Edge 3000 Series Release Notes September 2019

This document describes the new features, enhancements, and fixed issues for the Dell EMC SD-WAN Edge 3000 (3400 and 3800) Series.

Topics:

Document revision history

Table 1. Revision history

Revision	Date	Description
A00	2019-08	Initial release.

Features and requirements

The following requirements apply to the Edge 3000 Series:

The one rack-unit (1RU) SD-WAN Edge 3000 Series (3400 and 3800) is a Dell EMC purpose-built appliance complete with VeloCloud software. The high-performance appliance hosts VMware SD-WAN software and is meant for the service provider edge or enterprise branch.

Hardware description

- 16 core: Dell EMC SD-WAN Edge 3800
- 8 core: Dell EMC SD-WAN Edge 3400
- Four 10 GbE SFP+ ports
- Six 1 GbE ports
- One 10/100/1000Base-T port for the CPU
- One 10/100/1000Base-T port for the BMC
- One console port for the CPU
- One console port for the BMC
- Two USB Type-A USB 3.0
- One MicroUSB Type-B for console port
- One M.2 240 GB SATA SSD
- BMC IPMI 2.0 compliant
- Four 8 GB DDR-4 DIMMs for a total of 32 GB
- Two hot-swappable AC PSUs
- 16 core: five hot-swappable fans with airflow from the I/O-side to the PSU-side of the platform

- 8 core: four hot-swappable fans with airflow from the I/O-side to the PSU-side of the platform
- VMware SD-WAN software pre-loaded

Firmware requirements

Table 2. Firmware requirements

Device	Firmware	Minimum FW release required when installing an rNDC card
Edge 3000	• BMC • BIOS • CPLD	• v2.0 • 3.41.0.9-14 • v10
rNDC carrier expansion card	CPLD	v02

New in this release

BIOS

Initial release.

The following describes the BIOS version nomenclature. The version X.Y.Z.U-V:

X	The processor family. For example, 3 for X86 on a Edge 3000 Series.
Y	The platform ID within the processor family. For example, the Edge 3000 Series is 41.
Z*	The image type. For example, BIOS = 0.
U	The bit definitions for the BIOS are 0 through 5, as shown in the table.
V	The image version.

Table 3. BIOS bit definitions

Bit	Feature	State
0	Partition	0=MBR, 1=UEFI
1	Baud rate	0=115200, 1=9600
2	N/A	N/A
3	PXE	1=supported
4	N/A	N/A
5	Bootloader	0=AMI BIOS

BMC

Initial release.

CPLD

Initial release.

Documentation corrections

None

Important information

The following is important information you must know when working with your system:

10 GbE port main-board LED operation

The main-board light emitting diodes (LEDs) on the four 10 GbE ports alert you to the current operational status:

- When the port is operating in 10 GbE mode, the LED is green and blinks to indicate activity.
- When the port is operating in 1 GbE mode, the LED is solid yellow/amber.
- When disconnected, the LED is off.

I2C bus

NOTE: After a thermal shutdown, the I2C bus could lock up occasionally. If a lockup occurs, you must manually power cycle the system.

Power cycle the system

CAUTION: After powering off the system and *before* power cycling on the system back on, ensure that the PSU LED indicator is off—no color displays.

Multiple power cables

The platform has multiple power cables. Before servicing, ensure that all power cables are disconnected.

Fixed issues

Fixed issues are reported using the following definitions:

Category	Description
PR#	Problem Report number that identifies the issue.
Synopsis	Synopsis is the title or short description of the issue.
Release Notes	Release Notes description contains more detailed information about the issue.
Work around	Work around describes a mechanism for circumventing, avoiding, or recovering from the issue. It might not be a permanent solution.
Severity	S1—Crash: A software crash occurs in the kernel or a running process that requires a restart of AFM, the router, switch, or process. S2—Critical: An issue that renders the system or a major feature unusable. An issue that has a pervasive impact on the system or network, and for which there is no work-around acceptable to the customer. S3—Major: An issue that affects the functionality of a major feature or negatively effects the network for which there exists a work-around that is acceptable to the customer. S4—Minor: A cosmetic issue or an issue in a minor feature with little or no network impact for which there might be a work-around.

Fixed issues in this release

None.

Fixed issues in previous releases

None.

Known issues

Known issues are reported using the following definitions:

Category	Description
PR#	Problem Report number that identifies the issue.
Synopsis	Synopsis is the title or short description of the issue.
Release Notes	Release Notes description contains more detailed information about the issue.
Work around	Work around describes a mechanism for circumventing, avoiding, or recovering from the issue. It might not be a permanent solution.
Severity	S1—Crash: A software crash occurs in the kernel or a running process that requires a restart of AFM, the router, switch, or process. S2—Critical: An issue that renders the system or a major feature unusable. An issue that has a pervasive impact on the system or network, and for which there is no work-around acceptable to the customer. S3—Major: An issue that affects the functionality of a major feature or negatively effects the network for which there exists a work-around that is acceptable to the customer. S4—Minor: A cosmetic issue or an issue in a minor feature with little or no network impact for which there might be a work-around.

Known issues in this release

None.

Known issues in previous releases

None.

Support resources

The following support resources are available for the Edge 3000 Series platform:

Documentation resources

For more information about the Dell EMC SD-WAN Edge 3000 Series (3400 and 3800) appliance, see the following documents:

- *VeloCloud User Guide*
- *Dell EMC SD-WAN Edge 3000 Series Quick Start Guide*
- *Dell EMC SD-WAN Edge 3000 Release Notes*

NOTE: To access product documentation, see Dell EMC support: www.dell.com/support.

Finding documentation

This document contains operational information specific to the Edge 3000 Series platform.

- For information about using the Edge 3000 Series, see the documents at https://www.dell.com/support.
- For more information about hardware features and capabilities, see the Dell EMC website at www.dell.com/networking.

Dell EMC support

The Dell EMC support site provides documents and tools to help you effectively use Dell EMC equipment and mitigate network outages. Through the support site you can obtain technical information, access software upgrades and patches, download available management software, and manage your open cases. The Dell EMC support site provides integrated, secure access to these services.

To access the Dell EMC support site, go to www.dell.com/support/. To display information in your language, scroll down to the bottom of the web page and select your country from the drop-down menu.

- To obtain product-specific information, enter the 7-character service tag, or the 11-digit express service code of your appliance and click **submit**.

  To view the appliance service tag or express service code, pull out the luggage tag on the upper-right side of the appliance or retrieve it remotely using the `ipmitool -H <bmc ip address> -I lanplus -U <user name> -P <password> fru` command.
- To receive more technical support, click **Contact Us**. On the Contact Information web page, click **Technical Support**.

To access documentation, go to www.dell.com/manuals/.

To search for drivers and downloads, go to www.dell.com/drivers/.

To participate in Dell EMC community blogs and forums, go to www.dell.com/community.