BOSCH

From	Product Management	Taipei
BT-VS	BT-VS/XSW-SEC	25-02-2025

Release Note

Product:	*DSA E2800*
Version:	*SANtricity OS Controller Software 11.90GA*

1. General

DSA E2800 products offered by Bosch are running SANtricity OS Controller Software, which is released and provided by original vendor NetApp to registered owners of NetApp E-Series storage systems.

2. Restrictions; Known Issues

- Initial setup using Bosch configurations tools requires a valid IPv4 address on the management port, assigned through DHCP.

- A valid NetApp Support portal user account is required to download the software. Bosch customers can reach out to Bosch support, to get assistance.

- Controller software 11.60.2 and earlier are not supported anymore by NetApp.

- Requires Configuration Manager version 7.11.0048 or later, if used without BVMS.

- Systems must be running on 11.70.5 software in order to upgrade to 11.80.x or later. Therefore, an upgrade to 11.70.5 is required first to upgrade to 11.90GA.

- 12 TB hard drives with HDD FW < NE02 are prone to high failure rate. HDD FW upgrade to version NE02 or later is strongly suggested. How to update E2800 HDD (disk) firmware?

3. Tested versions

See respective BVMS release notes.

4. New Features

- Details about new NetApp features are listed in the original NetApp release notes: https://docs.netapp.com/us-en/e-series-santricity/pdfs/sidebar/Release_notes.pdf

5. Bug Fixes

- N/A

6. Installation Notes

Systems must be running on 11.70.5 software in order to upgrade to 11.90GA.

Registered users can obtain the software versions 11.70.5 and 11.90GA from the NetApp Support portal to upgrade DSA E-Series E2800 storage products:

Update link to 11.70.5: https://mysupport.netapp.com/site/products/all/details/eseries-santricityos/downloads-tab/download/62735/11.70.5

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Update link to 11.90GA: https://mysupport.netapp.com/site/products/all/details/eseries-santricityos/downloads-tab/download/62735/11.90GA/downloads

The following files need to be downloaded

- E2800 and EF280 Software - In chapter 'SANtricity OS Software' (all E2800 systems)
- E2800 and EF280 NVSRAM - Dual controller in chapter 'SANtricity NVSRAM' (only for dual controller systems)
- E2800 NVSRAM - Single controller in chapter 'SANtricity NVSRAM' (only for single controller systems)

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7. History

Version table

E2800 Controller	BVMS	9.0	10.0	10.0.1	10.1	11.0	11.1.1	12.0	12.1	12.2	12.3
SANtricity version	**VRM**	3.81	3.82	3.82	3.83	4.01	4.03	4.20	4.30	4.40	4.50
11.90GA										x	x
11.80.1R3								x	x	x	x
11.80GA								x	x		
11.70.5								x	x		
11.70.4R1P1						x	x	x			
11.70.4R1						x	x	x			
11.70.3P1						x	x	x			
11.70.3							x				
11.70.1 R1							x				
11.70R2						x					
11.60.2*			x	x	x						
11.50.2**			x	x	x						
11.40.3		x									

*Only for dual controller
**Only for single controller

Important note:

- **In general it is strongly recommended to upgrade to latest approved software (e.g. BVMS, VRM), whenever it is possible** (keeping mentioned restrictions/limitations in mind), **with the listed newest NetApp controller software, NVSRAM file, disk firmware and where needed Expansion Shelf Module (ESM) listed by NetApp.** Fixes and comprehensive support services can only offered for the latest approved and secure versions.

Previous restrictions

- The NetApp AutoSupport® feature (ASUP) was removed from software version 11.70.1 onwards. Therefore, all versions after 11.70R2 did not offer ASUP. This feature was introduced again in version 11.80.1.

- Controller software 11.70.3 or later is required to recognize new E2800 hardware manufactured from October 2022 (production code 278 or later). The production code can be found in the Bosch serial number from position 8 to 10.

Previous fixes

- Solution for below vulnerabilities in NetApp DSA E2800:
  - July 2022 Linux Kernel Vulnerabilities in NetApp Products, see NetApp Security Advisories CVE-2022-36879, CVE-2022-36946 https://security.netapp.com/advisory/ntap-20220901-0007/ October 2022 Java Platform Standard Edition Vulnerabilities in NetApp Products, see NetApp Security Advisories CVE-2022-21618, CVE-2022-21619, CVE-2022-21624, CVE-2022-21626, CVE-2022-21628, CVE-2022-39399 https://security.netapp.com/advisory/ntap-20221028-0012/

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- o February 2023 OpenSSL Vulnerabilities in NetApp Products, see NetApp Security Advisories CVE-2023-0286, CVE-2022-4304, CVE-2022-4203, CVE-2023-0215, CVE-2022-4450, CVE-2023-0216, CVE-2023-0217, CVE-2023-0401 https://security.netapp.com/advisory/ntap-20230214-0011/
- o OpenSSL Vulnerability in NetApp Products, see NetApp Security Advisory CVE-2023-0464 https://security.netapp.com/advisory/ntap-20230406-0006/
- o GNU Ncurses Vulnerability in NetApp Products, see NetApp Security Advisory CVE-2021-39537 https://security.netapp.com/advisory/ntap-20230427-0012/