

EVIDEN

BullSequana EX

TS 044.01 Release Note

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Hardware

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Preface

This document gives information about all changes from the previous version.

It also gives information about restrictions, known problems and the associated workarounds.

Finally it lists the objects delivered in the Technical State and the features of the resources provided on the Resource and Documentation ISO file.

See The Bull support web site for the most up to date product information, documentation, firmware updates, software fixes and service offers:
<https://support.bull.com>

Chapter 1. Overview

1.1. Operating Systems (OS) versions

1.1.1. Red Hat Enterprise Linux

- RHEL 8.6
- RHEL 9.2

1.1.2. Microsoft Windows

Windows Server 2022

1.2. New features and changes

This TS is the first release that supports the fifth generation Intel® Xeon® Scalable processors and offers BIOS firmware for these processors.

1.2.1. BIOS_ESR160

- Added support for Emerald Rapids CPUs
- Siemens specific LAN naming interface

1.3. Resolved issues

- Modifying settings in the **Network settings** page of the Server Hardware Console (SHC) works correctly.

Chapter 2. Known issues and restrictions

2.1. Collecting logs

Issue / Restriction

From time to time, collecting a log fails because the log storage limit has been reached.

Workaround

Delete older logs to free storage space.

2.2. Model and part number for M.2 NVMe disk

Issue / Restriction

Model and Part number values for M.2 NVMe disks are not returned by the SHC HW information page, nor by Redfish.

2.3. BIOS settings

Issue / Restriction

When modifying BIOS settings via BIOS interface, rebooting and then updating the BIOS firmware, the modified BIOS settings are no longer set.

Workaround

After updating the BIOS firmware, restart the server (full boot). Then restart again and check the BIOS settings: the modified values are set correctly.

2.4. Network settings

Issue / Restriction

Enabling/Disabling of the parameters Use domain name, Use DNS servers, Use NTP servers does not work correctly. An error pop-up appears and after refreshing the page, the parameter value has not been modified.

2.5. BIOS password

Issue / Restriction

After the BIOS update, the BIOS password is no longer set.

Workaround

Set the BIOS password again.

Chapter 3. Recommendations

3.1. Technical State (TS) numbering

The numbering of Technical States, TS xy.zz, changes as follows:

- An increase in x indicates that this TS provides new features. It is strongly recommended to install it in order to benefit from these features. It may also include fixes.
- An increase in y indicates a maintenance TS. It provides a set of fixes and it is recommended to install it. If a problem is reported on a previous TS, it is requested to move to the last such TS first before issuing a ticket.
- An increase in the minor number zz indicates a patched TS that fixes a specific issue. Installing it is not mandatory unless you may encounter this issue or it is declared as a hot fix that may affect most clients.

Chapter 4. Delivery content

Notes

- A new product row is highlighted in gray
 - A new version is highlighted in gray
-

4.1. Delivered items

Documentation, firmware and customer tools are delivered on the Resource and Documentation ISO file

4.2. Documentation

Name	Description	Version
BullSequana EX Customer Documentation Set	Complete documentation dedicated to the customer	03
BullSequana EX Field Documentation Set	Complete documentation dedicated to the field	03

4.3. Platform firmware

Name	Description	Version
BIOS_ESR160	BIOS firmware for fourth and fifth generation Intel® Xeon® Scalable processors	160.37.02 build 003
FPGA_ORMB	SPI slave interface with BMC for register access CPU Power Sequencing	1.E.0.0
I225_ETH_CONTROLLER_ORMB	PROG for I225 for ORMB host Ethernet Port	1.0
OMF_ORMB	BMC Firmware for BullSequana EX platform	170.00 build 1510
VR_PVCCD_HV_CPU_ORMB	PROG for PVCCD HV CPU VR	1.0

Name	Description	Version
VR_PVCCIN_and_PVCCFA_EHV_FIVRA_CPU__ORMB	PROG for PVCCIN & PVCCFA EHV FIVRA CPU VR	1.0
VR_PVC8INFAON_and_PVCCFA_EHV_CPU__ORMB	PROG for PVCCINFAON & PVCCFA EHV CPU VR	1.0
X710_10G_ETH_CONTROLLER_ORMZET	PROG for X710 for ORMZET Ethernet Port	1.0

Chapter 5. History of previous versions

5.1. TS 034.02 (July 2024)

New features and changes

BIOS_SAR160

Fixed boot order:

1. PXE
2. USB
3. SSD

OMF_ORMB

- Added PCIe devices and SATA disks in the Server Hardware Console (SHC)
- Improved the algorithm managing the fans: the fans remain off when the server is in standby power mode.

Resolved issues

- The management of the KVM window has been improved.
- The event log list has been improved.
- The Help button in the SHC now works correctly.
- The admin user is now safeguarded.

5.2. TS 024.01 (December 2023)

First release

