

Release notes

March 05, 2021



Abstract

1. Release of the new Firmware package for the Guardium models based on Lenovo ThinkSystem SR630 (M6) 7X02. ISO and IMG formats are supported.

Guardium_FirmwareUpdate_SR630_DVD_v3-10.iso
Guardium_FirmwareUpdate_SR630_USB_v3-10.img

The above latest firmware can be downloaded from IBM Fix Central site.
<https://www.ibm.com/support/fixcentral/>

Guardium appliance is an 1U form factor: 4571-GxC



Guardium Firmware v3.1.0 for SR630 (M6) Appliances (ISO/IMG)

This firmware updates v3.1.0 provided by IBM updates Guardium® SR630 (M6) appliances with microcode security fixes and includes updates for XCC-BMC, UEFI, LXPM, RAID 930 controllers, and HDD software.

Before you begin

The SR630 (M6) firmware update v3.1.0 is intended to update firmware on Guardium appliances. This firmware includes multiple security vulnerabilities and updates. Administrators must download the ISO and burn it to a DVD or IMG and then write it to a USB.

Supported appliances, types, and model information

This firmware update applies to the following IBM Guardium SR630 (M6) appliances, server type, or Machine type models:

Appliance Name	Server Type	Lenovo Server Machine Type	IBM Machine Type-Model
IBM X2364 Collector	SR630 (M6)	MT 7X02	4571-G2C
IBM X2364 Aggregator	SR630 (M6)	MT 7X02	4571-G3C
IBM X3264 Collector	SR630 (M6)	MT 7X02	4571-G4C
IBM X3264 Aggregator	SR630 (M6)	MT 7X02	4571-G5C

Table 1: List of SR630 (M6) appliances supported by the v3.1.0 firmware updates.

Important file changes and prerequisites in this firmware update

The table below lists the software versions contained within the firmware package. The core changes in this release of v3.1.0 is to provide new UEFI microcode security updates and XCC-BMC updates for SR630 (M6) Guardium appliance.

Component	Firmware Version	
XCC-BMC	5.40 (CDO364M)	oem_fw_xcc_cdo364m-5.40_anyos_noarch.uxz
UEFI/BIOS	2.80 (IVE164L)	lnvgy_fw_uefi_ive164l-2.80_anyos_32-64.uxz
LXPM	2.00 (PDL128K)	lnvgy_fw_lxpm_pdl128k-2.00_anyos_noarch
RAID Controller 930	51.13.0.3427	lnvgy_fw RAID_mr3.5.930-51.13.0-3427-0_linux_x86-64.bin.bin
PCI and LOM Adapters	7.21-4.11-1.2585	intc-lnvgy_fw_nic_net-7.21-4.11-1.2585.0-all-04_linux_x86-64.bin

Table 2: Components and software versions included in the SR630 (M6) firmware update v3.1.0.

PROCESSES:

- 1. ISO image is for remote installation using XCC-BMC functionalities.
- 2. IMG image is only for USB key installation (Physical access to the server).

FIRMWARE PACKAGE CHANGES

- 1. Image package process.
- 2. Fix of the warning message for a very old pre-req.
- 3. Use of Tool center 12.0.1

IMPORTANT FIXES

UEFI

Update Change History

```
=====
Version [2.80], Build ID [IVE164L] [Suggested]
Release date: [November / 2020]
=====
```

3.0 Security Fixes

Address CVE-2020-8696, CVE-2020-8755, CVE-2020-8705, CVE-2020-0587, CVE-2020-0591, CVE-2020-0592, CVE-2020-0593..

4.0 Other Fixes

- FIX: Updated some setup menu help text and translations.*
- FIX: Fixed DIMM Number is incorrect in Hiddenlog when page retire occurred*
- FIX: Fixed PFA cannot be counted correctly.*
- FIX: Fixed LXCA cannot deploy language selection (HT510862).*
- FIX: Correct SMBIOS type 3 Security State.*
- FIX: Changed default UEFI setting for Adaptive Double Device Data Correction (ADDDC) from enabled to disabled to address an issue with memory error correction under specific workloads while in virtual lockstep (VLS). (HT510558). For more details see Intel sighting "SKX115 - Memory Errors in a VLS Region on a Certain Device May Not Be Properly Corrected"*
- URL <https://www.intel.com/content/www/us/en/processors/xeon/scalable/xeon-scalable-spec-update.html>*
- FIX: Fixed LXCA pattern fails to apply WWPN address to port 2 Emulex Lpm16002B- LFC HBA on SN550/SN850 (HT511227).*

5.0 Enhancements

2020.2 Intel Platform Update (IPU)

- Update Intel Reference Code to version RC0610.D02.
 - Update BIOS ACM to 1.7.41, SINIT ACM to 1.7.49.
 - Update processor microcode to MB750654_02006A08(Skylake), MBF50656_04003003(CascadeLake), MBF50657_05003003(CascadeLake).
- Update SPS version to E5_04.01.04.423.0.
Enable UEFI to expose unused slots to the OS.
Enable UEFI to expose a new User setting to explicitly enable/disable ADDDC.
Update FEH Python scripts version from Python 2.7.17 to Python 3.5.9.
Enable Thales CipherTrust Manager support.
Integrate Samsung STEP 3.03.
Change PCIe Status sensor_type and add new support.
Improve user messages for post package repair (PPR).
Add dynamic resource to support NVIDIA A100.

XClarity Controller Firmware Update

Change History

=====
Version 5.40 CDO364M [Initial Release]
Release date: 8 / 2018

3.0 Security Fixes

FIX:

Describe the fix and the condition that it resolves.

Security incident: LEN-xxxx

CVE-2015-3414, CVE-2015-3415, CVE-2015-3416, CVE-2016-6153, CVE-2017-3735, CVE-2017-3736, CVE-2017-3737, CVE-2017-3738, CVE-2017-5130, CVE-2017-6451, CVE-2017-6452, CVE-2017-6455, CVE-2017-6458, CVE-2017-6459, CVE-2017-6460, CVE-2017-6462, CVE-2017-6463, CVE-2017-6464, CVE-2017-7407, CVE-2017-8816, CVE-2017-8817, CVE-2017-10989, CVE-2017-12799, CVE-2017-12967, CVE-2017-13710, CVE-2017-14129, CVE-2017-14130, CVE-2017-14333, CVE-2017-14529, CVE-2017-14930, CVE-2017-14932, CVE-2017-14933, CVE-2017-14934, CVE-2017-14938, CVE-2017-14939, CVE-2017-14940, CVE-2017-14974, CVE-2017-15020, CVE-2017-15021, CVE-2017-15022, CVE-2017-15023, CVE-2017-15024, CVE-2017-15025, CVE-2017-15225, CVE-2017-15938, CVE-2017-15939, CVE-2017-15996, CVE-2017-16544,

CVE-2017-16931, CVE-2017-16932, CVE-2017-17484, CVE-2017-1000100, CVE-2017-1000101, CVE-2017-1000254, CVE-2017-1000257, CVE-2017-1000494, CVE-2018-6872, CVE-2018-1000005, CVE-2018-1000007, CVE-2018-1000120, CVE-2018-1000121, CVE-2018-1000122

4.0 Other Fixes

BUG

5.0 Enhancements

RMK

March 05, 2021

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