



# NVIDIA Base Command Manager

Release Notes

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2023-11-16  
BCM 10.23.11

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# Chapter 1. Introduction

This release covers NVIDIA Base Command™ Manager (BCM) 10.23.11.

Previously release notes are located at:

<https://docs.nvidia.com/base-command-manager/#release-notes>

Information about BCM is available at:

<https://docs.nvidia.com/base-command-manager/>

# Chapter 2. Change Requests

## 2.1 General

### 2.1.1 New Features

- > Added support for SLES15 SP5

### 2.1.2 Improvements

- > Changed NVIDIA Container Toolkit default values for
  - `accept-nvidia-visible-devices-as-volume-mounts` (false -> true) and
  - `accept-nvidia-visible-devices-envvar-when-unprivileged` (true -> false)
- > Updated `cuda-driver` package to 535.129.03

## 2.2 CMDaemon

### 2.2.1 New Features

- > Added a `cmsh` command (`wlm grid`) to create a timelapse view of the jobs that have run
- > Added a special default gateway value (255.255.255.255) to use the one provided by `dhcpd`
- > Added `cmsh` command to show `dhcpd` leases
- > Added Border Gateway Protocol (BGP) overview for Cumulus switches
- > Added Link Layer Discovery Protocol (LLDP) overview for Cumulus switches
- > Added `bootstrap.pem` and signature checks in `cm-check-certificates` and switched from MD5 to SHA1

### 2.2.2 Improvements

- > Allow nodes to be automatically powered off or reset upon installer failure
- > Allow devices to be identified by serial in DHCP
- > Relaxed SSL checks when registering a new Cumulus switch via ZTP
- > Improved CMDaemon startup speed in HA mode
- > Prevent multiple identical failover group status
- > Added a flag to allow changing a user home directory to an existing directory

- > Added a flag to allow `pythoncm.cluster` to allow `entity.commit` without suffering from update-race-conditions
- > Write `chrony.conf` instead of `ntp.conf` in `node-installer` on RHEL9
- > Allow role exclude list entries for provisioning to be removed using exclude list snippets starting with '+'

## 2.2.3 Fixed Issues

- > Fixed counting of nodes and accelerators towards the license limit
- > Fixed service status in `cmsh` of a `lite-node`
- > Fixed crash in `ArchOSInfo::is_arch_os` when `cm-config-os-arch` is not installed on the head node
- > Store services added to `lite-node` to DB
- > Fixed `cmsh imageupdate --pattern <path>`

## 2.3 Workload Management

### 2.3.1 New Features

- > Automatically configure non-MIG GPUs in Slurm when detected
- > Updated `slurm23.02` packages to version 23.02.6 (CVE-2023-41914)
- > Added new package `pyxis-sources` to allow building `pyxis` in air-gapped environments

### 2.3.2 Improvements

- > Allow the management of jobs even if one of the nodes has an incorrect configuration in `slurm.conf`

### 2.3.3 Fixed Issues

- > Fixed configuring `AutoDetect` in `slurm.conf` if `GRES` is set with `addtogresconf=no` in the `slurm` client role
- > Cleaned up database node entries of Slurm jobs that were requeued
- > Fixed `pyxis` `epilog` failure when unpacked images are shared and user does not specify a container name
- > Install `enroot` dependencies on Ubuntu 20.04

## 2.4 Container Engines

### 2.4.1 Improvements

- > Stopped using deprecated upstream Kubernetes repositories (versions 1.23 and older are no longer available)
- > Introduced support for RAPIDS Accelerator for Apache Spark in the Jupyter kernel templates

## 2.5 Monitoring

### 2.5.1 New Features

- > Collect new DCGM metrics: DCGM\_FI\_DEV\_POWER\_VIOLATION and DCGM\_FI\_DEV\_THERMAL\_VIOLATION
- > Added ManagedServicesOk health check to lite devices

### 2.5.2 Improvements

- > Increased the variability and frequency of the ssh2node healthcheck to reduce load on the head nodes
- > Optimized startup of compute nodes in clusters with a large number of nodes and many monitored jobs
- > Do not use linear interpolation for health check data, but rather the last known value

### 2.5.3 Fixed Issues

- > Fixed a monitoring bug which prevented new device metrics from being saved to the database if CMDaemon on the head node was restarted right after they were created
- > Fixed job-metrics in the base-view monitoring tree

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