Ubuntu Server 18.04 LTS for Dell EMC PowerEdge Servers
Release Notes
Notes, cautions, and warnings

**NOTE:** A NOTE indicates important information that helps you make better use of your product.

**CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

**WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.
Release summary

This release contains 4.15 Linux kernel and `ifupdown` replaced with `netplan.io`, and the new subiquity installer set as the default ISO image. The Ubuntu Server 18.04 Long Term Support (LTS) is a new LTS version, and the 4.15 kernel LTS line is supported for five years.

Topics:
- Version
- Release date
- Priority and recommendations

Version

Ubuntu Server 18.04 LTS

Release date

August 2018

Priority and recommendations

RECOMMENDED: Dell EMC highly recommends applying this update as soon as possible. The update contains changes to improve the reliability and availability of your Dell EMC system.
Topics:

- Supported systems
- Previous versions

**Supported systems**

Dell EMC 14th generation PowerEdge servers.

**Previous versions**

Ubuntu 16.04.5
New and enhanced in this release

The following features are added in this release:

- LTS Kernel 4.15
- `ifupdown` is replaced with `netplan.io`

ℹ️ **NOTE:** For more information, see https://wiki.ubuntu.com/BionicBeaver/ReleaseNotes.
Not applicable.
Important notes

The default server ISO image is the General Availability (GA) kernel-Linux 4.15. To download Ubuntu Server installer media and ISO images:


2. Search for Alternative Ubuntu Server installer, and then click Download the alternate installer.

*NOTE:* By default, Subiquity Server installer download is available and Dell EMC recommends that you use the non-default image.

You can use the hardware with the latest version of Ubuntu Server LTS and SRU kernel by using MAAS. For more information about Stable Release Updates (SRU), see https://wiki.ubuntu.com/StableReleaseUpdates.
Known issues—To be fixed in future releases

Unable to create or modify namespace for NVDIMM

**Description**
When you create or modify a namespace for NVDIMM, it fails.

**Workaround**
Use the "--no-autorelabel" option while creating or modifying the namespace. For example:

- Creating namespace—`#ndctl create-namespace -r region0 -m raw -f --no-autolabel`
- Modifying namespace—`#ndctl create-namespace --mode raw --e namespace0.0 -f --no-autolabel`

**Systems affected**
All 14G Dell EMC PowerEdge systems that have NVDIMM installed.

**Applies to**
Ubuntu 18.04

**Tracking number**
119207

Unable to shut down Ubuntu when the graceful shutdown option from iDRAC is selected or when power button is pressed on the server

**Description**
When you select the Graceful Shutdown option from any system management interface such as iDRAC or press the power button, the system goes to a suspended state and all the tasks stop. Even the firmware updates from iDRAC interface that requires restart, takes longer time to update, and the system will be Hard reset upon iDRAC watchdog time expiration.

**Workaround**
Change the power settings.

1. Go to Settings > Power.
2. In the Suspend and power button section, select Power Off from the When the Power Button is pressed drop-down list.

**NOTE:** By default the Suspend option is selected.

**NOTE:** The workaround may not work when the system is locked. Gnome prevents accidental shutdown when the system is locked. As a security precaution, Gnome does not allow any power related actions such as shutdown from any system management interfaces like iDRAC or when the power button is pressed unless the user is active and logged-in to OS.

**Systems affected**
All Dell EMC PowerEdge servers

**Applies to**
Ubuntu 18.04

**Tracking number**
JIT-110101
### Ubuntu fails to reboot when onboard DVD drives are connected to servers with AMD processor

**Description**  
If you reboot Ubuntu after connecting the onboard DVD drives to servers with AMD processors, the boot process fails.

**Workaround**  
Reboot using iDRAC or manually reset the power.

**Systems affected**  
PowerEdge 7425, PowerEdge 7415, and PowerEdge 6415

**Applies to**  
Ubuntu 18.04

**Tracking number**  
JIT-102871

### Unable to install Ubuntu 18.04 in software RAID (S140) disks

**Description**  
Ubuntu 18.04 does not install grub on software RAID disks which results in installation failure.

**Workaround**  
Do not use S140 disks as boot-disks. Instead, use S140 disks as data-disks.

**Systems affected**  
All 14th generation PowerEdge servers

**Applies to**  
Ubuntu 18.04

**Tracking number**  
JIT-105254

### Ubuntu 18.04.1 installation and boot crashes when HBA330 card is available in servers with AMD processor

**Description**  
The HBA330 card driver (mpt3sas) encounters a deadlock while loading or unloading the driver. Due to this deadlock, the system does not respond.

**Workaround**  
Use Ubuntu 18.04 ISO and kernel image versions earlier than 4.15.0-29 for installation. 
To download Ubuntu 18.04 ISO image:

2. Search for **Past releases and other flavours**, and then click **Past releases**.

The fix is available from kernel image 4.15.0-33 onwards.

**Systems affected**  
PowerEdge 6415 and PowerEdge 7415

**Applies to**  
Ubuntu 18.04.1

**Tracking number**  
JIT-109843
Limitations

Installing GUI on servers is not recommended by Ubuntu. For more information, see https://help.ubuntu.com/community/ServerGUI.

Subiquity server installer lacks some advanced features such as multipath, full-disk encryption, or the ability to reuse existing partitions. Hence, Dell EMC recommends that you use Debian installer image for server environment.

To know more about the limitations, see https://wiki.ubuntu.com/BionicBeaver/ReleaseNotes#Ubuntu_Server.
For instructions to update Ubuntu 18.04 from Ubuntu 16.04, see https://help.ubuntu.com/community/BionicUpgrades.
Resources and support

For more information about the features of this release, see www.wiki.ubuntu.com/BionicBeaver/ReleaseNotes.

Topics:

- Latest Release Notes
- Related documents and links
- Accessing documents using product selector

Latest Release Notes

To access the latest Release Notes for this version:

2. Click the link for this version of Ubuntu.
3. Click Manuals & documents.

Related documents and links

Following are the documents and links that are related to Ubuntu 18.04:

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<th>URL</th>
<th>For information about</th>
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<tr>
<td><a href="http://www.community.ubuntu.com/t/ask-ubuntu/21">www.community.ubuntu.com/t/ask-ubuntu/21</a></td>
<td>Online support for Ubuntu 18.04</td>
</tr>
<tr>
<td><a href="http://www.linux.dell.com/repo/community/ubuntu/">www.linux.dell.com/repo/community/ubuntu/</a></td>
<td>Dell EMC Ubuntu repository</td>
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Accessing documents using product selector

You can also access documents by selecting your product.

2. In the Choose from all products section, click View products.
3. Click Software and Security, and then click Operating Systems.
4. To view the document, click the wanted product version.
Contacting Dell EMC

Dell EMC provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell EMC for sales, technical support, or customer service issues, go to www.dell.com/contactdell.

If you do not have an active Internet connection, you can contact information on your purchase invoice, packing slip, bill, or the product catalog.