

CSI Driver for Dell EMC PowerFlex

1.2

Release Notes

Rev. 1.0

September 2020

These release notes contain supplemental information about CSI Driver for Dell EMC PowerFlex. Topics include:


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Product description

The CSI Driver for Dell EMC PowerFlex is a plug-in that is installed into Kubernetes to provide persistent storage using Dell EMC PowerFlex storage system.

The CSI Driver for Dell EMC PowerFlex and Kubernetes communicate using the Container Storage Interface protocol v 1.1. CSI Driver for Dell EMC PowerFlex is compatible with Kubernetes versions 1.17, 1.18, 1.19 and OpenShift 4.3 and 4.4 and Docker EE 3.1.

The CSI Driver for Dell EMC PowerFlex supports Red Hat Enterprise Linux (RHEL) 7.6, 7.7 and 7.8, CentOS 7.6, 7.7 and 7.8 and SUSE Linux Enterprise Server 15 as a host operating system. The CSI Driver for Dell EMC PowerFlex supports Dell EMC PowerFlex version 3.0.x and 3.5.

 **NOTE:** Dell EMC PowerFlex was formerly named Dell EMC VxFlex OS.

New features and changes

CSI Driver for Dell EMC PowerFlex Version 1.2 supports the following features:

- Added support for Kubernetes 1.17, 1.18 and 1.19
- Added support for OpenShift 4.4 with Red Hat Enterprise Linux 7.6 on worker nodes only.
- Added support for Docker EE 3.1
- Added support for Red Hat Enterprise Linux (RHEL) 7.8 and CentOS 7.6, 7.7 and 7.8 as a host operating system for Kubernetes
- Added support for SUSE Linux Enterprise Server 15 as a host operating system for Kubernetes
- Persistent Volume (PV) capabilities:
 - Resize
- Supports Raw Block Volumes
- Support (Online) Volume Expansion
- Supports Topology

Fixed issues

The following table shows the fixed issues in this release:

There are no fixed issues in this release.

Known problems

There are no known issues or bugs fixed in this release.

Issue	Workaround
Slow volume attach/detach	If your Kubernetes (1.17, 1.18)/OpenShift (4.4) cluster has a lot of VolumeAttachment objects, the attach/detach operations will be very slow. This is a known issue and affects all CSI plugins. It is tracked here: CSI VolumeAttachment slows pod startup time . To get around this problem you can upgrade to latest Kubernetes/OpenShift patches, which contains a partial fix: 1.17.8+, 1.18.5+ and OpenShift 4.4.16
Topology constraints do not appear in logs, even when the driver is honoring the constraints.	None

Software media, organization, and files

This section provides information on where to find the software files for this release of CSI Driver for Dell EMC PowerFlex.

The software package is available for download from [VxFlex OS GitHub](#) page.

Additional resources

This section provides information about CSI Driver for Dell EMC PowerFlex and get support .

Documentation

This section lists the related documentation for CSI Driver for Dell EMC PowerFlex.

The CSI Driver for Dell EMC PowerFlex is available on [VxFlex OS GitHub](#) page. The documentation includes the following:

- CSI Driver for Dell EMC PowerFlex Release Notes (this document)
- CSI Driver for Dell EMC PowerFlex Product Guide

Troubleshooting and getting help

Use the resources in this topic to get help and support.

Product information

For documentation, release notes, software updates, and other information about Dell EMC products, go to [Dell EMC Online Support](#).


Technical support

The CSI Driver for Dell EMC PowerFlex image, which is the built driver code, is available on Dockerhub and is officially supported by Dell EMC.

The source code for CSI Driver for Dell EMC PowerFlex available on Github is unsupported and provided solely under the terms of the license attached to the source code. For clarity, Dell EMC does not provide support for any source code modifications.

For any CSI driver issues, questions or feedback, join the [Dell EMC Container community](#).

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.