

# CSI Driver for VxFlex OS

Version 1.0

## Release Notes

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# CHAPTER 1

## Release Notes

These release notes contain supplemental information about CSI Driver for VxFlex OS.  
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## Revision history

The following table presents the revision history of this document.

Revision	Date	Description
01	April 2019	First release of the product

## Product description

This section describes the CSI Driver for VxFlex OS.

The CSI Driver for VxFlex OS driver is a plug-in that is installed into Kubernetes to provide persistent volumes using Dell EMC VxFlex OS storage system. The CSI Driver for VxFlex OS and Kubernetes communicate using the Container Storage Interface protocol v 1.0. The CSI Driver for VxFlex OS is compatible with Kubernetes 1.13.1, 1.13.2, and 1.13.3.

## New features and changes

This section describes the new features of the CSI Driver for VxFlex OS in this release.

The CSI Driver for VxFlex OS supports the following features:

- Persistent volume (PV) capabilities - create, list, delete, and create-from-snapshot
- Dynamic and static PV provisioning
- Snapshot capabilities - create, delete, and list
- Volume mount as *ext4* or *xfs* file system on the worker node
- Supports the following access modes:
  - multi-node-single-writer
  - single-node-writer
  - single-node-reader-only
  - multi-node-reader-only
  - multi-node-single-writer
- Volume prefix for easy LUN identification
- Supports HELM charts installer
- Supports CSI 1.0
- Supports Kubernetes version 1.13.1, 1.13.2 and 1.13.3
- Compatible with VxFlex OS version 3.0 with medium granularity storage pools.

## Known problems

The table in this section lists the known problems for this release.

Symptoms	Prevention, resolution, or workaround
For any Persistent Volume Claim (PVC) between 1 GB - 8 GB, the created volume in VxFlex OS defaults to 8 GB. Any PVC less than 1 GB results in a failure.	Persistent Volume Claim (PVC) requests should follow the basic allocation granularity of 8 GB for the volume sizes that are defined in the VxFlex OS guidelines. The basic allocation granularity is 8 GB for the volume size on VxFlex OS.

## Software media, organization, and files

This section provides information on where to find the software files for this release of CSI Driver for VxFlex OS.

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

## Additional resources

This section provides information about CSI Driver for VxFlex OS, get support, and provide feedback.

### Documentation

This section lists the related documentation for CSI Driver for VxFlex OS.

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

- CSI Driver for VxFlex OS Release Notes (this document)
- CSI Driver for VxFlex OS 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

[Dell EMC Online Support](#) provides technical support services. To open a service request, you must have a valid support agreement. Contact your Dell EMC sales representative to get a valid support agreement or for other questions about your account.

