



**NetApp**

# **NetApp SolidFire Plug-in for vRealize Orchestrator Release Notes**

Version 1.4

August 2017  
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# Introduction

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NetApp is pleased to announce NetApp SolidFire Plug-in for vRealize Orchestrator 1.4. These release notes describe features, version history, and known issues for this release.

## About the plug-in

The NetApp SolidFire Plug-in for vRealize Orchestrator provides a convenient way to use the SolidFire API to administer your SolidFire storage system with VMware vRealize Orchestrator.

Most SolidFire API methods are modeled as actions in the plug-in, enabling you to combine the inputs and outputs of these actions into workflows to schedule and automate complex storage administration tasks.

VMware administrators can use the plug-in to reduce the need for specialized storage administration, and instead focus on making storage transparent to daily operations by administering the storage system as part of the VMware environment. You can integrate the storage system into new or existing workflows, and automate these workflows to greatly simplify your environment. The plug-in packages actions into built-in workflows that enable the VMware administrator to build more complex workflows.

### Related references

[\*Where to find additional information\*](#) on page 8

# Requirements

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The NetApp SolidFire Plug-in for vRealize Orchestrator has the following installation and usage requirements.

## Installation requirements

The plug-in supports the following software and hardware environment:

- SolidFire Element OS 8.x and 9.x
- VMware vRealize Orchestrator 7.2.0
- VMware ESXi 6.0 and 6.5
- Host CPU: 2GHz or faster
- Host memory: 8GB or higher

## Usage requirements

The plug-in has the following general usage requirements:

- Each workflow in the **NetApp SolidFire > Element** directory requires a SolidFire:SolidFireConnection object as an input parameter.
- Some actions require SolidFire types as inputs. You must construct these types before passing them to the action by either getting the object using a "Get" workflow or by using a scripting task.

## Known issues and limitations

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This version of the NetApp SolidFire VMware vRealize Orchestrator has the following known issues.

### Connection limitations

You cannot edit connections to the SolidFire cluster after creating them. You must remove the connection and add a new one. You can use the workflows in the NetApp SolidFire Connection folder to manage connections to the storage system.

All connections you create in a VRO instance are available to all users. There is no limit to the number of connections you can create, but the plug-in disallows you from creating multiple connections with the same target, username, and port.

### SolidFireAttributes issue

The extra field `attributesJson` has been added to the `SolidFire:SolidFireAttributes` class. This field is a string version of the JSON data that comprises the hashmap in the `attributes` field.

### Network and SNMP configuration limitations

You cannot change the network or SNMP configuration using the workflows provided with the plug-in. However, you can change network and SNMP settings by using the included network and SNMP actions included with the plug-in to build a custom workflow. You can also retrieve the network and SNMP configuration objects using the "Get" or "List" workflows (such as `GetNetworkConfig` and `GetSnmpInfo`).

## Revision History

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You may find it helpful to review the release history of the NetApp SolidFire Plug-in for vRealize Orchestrator in preparation for installation.

Date	Release	Comments
July 2017	1.4	Initial release.

## Where to find additional information

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You can use the resources in this section for additional information about the VMware vRealize Orchestrator Plug-in and NetApp SolidFire storage systems.

- For more information about using the vRealize Orchestrator Plug-in, see the *NetApp SolidFire VMware vRealize Orchestrator Plug-in User Guide*.
- For more information about deploying, configuring, and using your cluster, see the *NetApp SolidFire Element OS User Guide*.
- For information about the NetApp SolidFire API, see the *NetApp SolidFire Element OS API Reference Guide*.



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