



NetApp

NetApp SolidFire Plug-in for vRealize Orchestrator Release Notes

Version 1.4

August 2017
doccomments@netapp.com

Contents

Introduction	4
About the plug-in	4
Requirements	5
Known issues and limitations	6
Revision History	7
Where to find additional information	8
Copyright information	9
Trademark information	10
How to send comments about documentation and receive update notifications	11
Index	12

Introduction

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

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 6.0.1 through 6.0.5, 7.x
- 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

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

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

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*.

Copyright information

Copyright © 1994–2017 NetApp, Inc. All rights reserved. Printed in the U.S.

No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark information

Active IQ, AltaVault, Arch Design, ASUP, AutoSupport, Campaign Express, Clustered Data ONTAP, Customer Fitness, Data ONTAP, DataMotion, Element, Fitness, Flash Accel, Flash Cache, Flash Pool, FlexArray, FlexCache, FlexClone, FlexPod, FlexScale, FlexShare, FlexVol, FPolicy, Fueled by SolidFire, GetSuccessful, Helix Design, LockVault, Manage ONTAP, MetroCluster, MultiStore, NetApp, NetApp Insight, OnCommand, ONTAP, ONTAPI, RAID DP, RAID-TEC, SANscreen, SANshare, SANtricity, SecureShare, Simplicity, Simulate ONTAP, Snap Creator, SnapCenter, SnapCopy, SnapDrive, SnapIntegrator, SnapLock, SnapManager, SnapMirror, SnapMover, SnapProtect, SnapRestore, Snapshot, SnapValidator, SnapVault, SolidFire, SolidFire Helix, StorageGRID, SyncMirror, Tech OnTap, Unbound Cloud, and WAFL and other names are trademarks or registered trademarks of NetApp, Inc., in the United States, and/or other countries. All other brands or products are trademarks or registered trademarks of their respective holders and should be treated as such. A current list of NetApp trademarks is available on the web.

<http://www.netapp.com/us/legal/netapptmlist.aspx>

How to send comments about documentation and receive update notifications

You can help us to improve the quality of our documentation by sending us your feedback. You can receive automatic notification when production-level (GA/FCS) documentation is initially released or important changes are made to existing production-level documents.

If you have suggestions for improving this document, send us your comments by email.

doccomments@netapp.com

To help us direct your comments to the correct division, include in the subject line the product name, version, and operating system.

If you want to be notified automatically when production-level documentation is released or important changes are made to existing production-level documents, follow Twitter account @NetAppDoc.

You can also contact us in the following ways:

- NetApp, Inc., 495 East Java Drive, Sunnyvale, CA 94089 U.S.
- Telephone: +1 (408) 822-6000
- Fax: +1 (408) 822-4501
- Support telephone: +1 (888) 463-8277

Index

A

About [4](#)

API [4](#)

C

comments

how to send feedback about documentation [11](#)

D

documentation

how to receive automatic notification of changes to [11](#)

how to send feedback about [11](#)

F

feedback

how to send comments about documentation [11](#)

I

information

how to send feedback about improving documentation [11](#)

S

suggestions

how to send feedback about documentation [11](#)

T

Twitter

how to receive automatic notification of documentation changes [11](#)