NetApp

SolidFire CLI Tools Release Notes

Version 1.4

May 2017 | 215-12209_A0_ur001
doccomments@netapp.com

NetApp®

Contents

About these release notes 4
CLI Tools overview 5
List of commands 5
Where to find additional information 12
Contacting NetApp SolidFire Active Support 13
Copyright information 14
Trademark information 15
How to send comments about documentation and receive update notifications 16

About these release notes

These release notes describe the features of CLI Tools, and provide information about the prerequisites for using the tool and software components that CLI Tools supports. The release notes also include a list of commands that you can use in CLI Tools.

What's new in this release

Version 1.4 is the first release of CLI Tools.

CLI Tools overview

CLI Tools is a command-line interface from which you can control a SolidFire storage system without having to use the SolidFire API. CLI Tools provides an easy interface that enables storage administrators to query for information, make changes to objects in a storage system, and perform common storage system tasks. Users who are familiar with using shell or command-line based configuration interfaces can take advantage of CLI Tools.

CLI Tools includes the following features:

- Coverage of 87 percent of SolidFire API methods
- Inline help system for commands
- Capability on Windows, macOS, and Linux operating systems to automatically populate command syntax
- Ability to provide responses to commands in three output formats: tree, JSON, and pickle

Support matrix

The tool supports the following software and operating systems:

Component	Version
SolidFire Element OS	9.0 and later
Python	• Python 2: 2.7 and later • Python 3: 3.3 or later
Operating system	• Windows 7, 8, and 10 • macOS • Linux

List of commands

This section lists all the commands that you can run in CLI Tools.

account add
account modify
account getbyid
account remove
account list
account getefficiency
account getbyname
backuptarget list
backuptarget create
backuptarget get

backuptarget remove
backuptarget modify
cluster setsnmpinfo
cluster disablesnmp
cluster addadmin
cluster setconfig
cluster getsnmpacl
cluster getcompletestats
cluster getrawstats
cluster enablesnmp
cluster getcapacity
cluster createsupportbundle
cluster disableencryptionatrest
cluster getversioninfo
cluster setsnmpacl
cluster clearfaults
cluster getsystemstatus
cluster setsnmptrapinfo
cluster create
cluster enableencryptionatrest
cluster getinfo
cluster getntpinfo
cluster listsyncjobs
cluster modifyfullthreshold
cluster listevents
cluster getcurrentadmin
cluster getsnmptrapinfo
cluster getstate
cluster deleteallsupportbundles
cluster getmasternodeid
cluster listfaults
cluster getsnmpinfo
cluster getstats
cluster removeadmin
cluster getapi
cluster getfullthreshold

cluster getlimits
cluster modifyadmin
cluster listadmins
cluster snmpsendtesttraps
cluster getsnmpstate
cluster setntpinfo
cluster getconfig
drive add
drive reset
drive listhardware
drive list
drive listdrivestats
drive remove
drive gethardwareinfo
drive getconfig
drive secureerase
drive test
drive getstats
hardware getnvraminfo
hardware getnodeinfo
hardware gethardwareinfo
hardware getconfig
hardware getclusterinfo
initiators addtovolumeaccessgroup
initiators create
initiators list
initiators delete
initiators modify
initiators removefromvolumeaccessgroup
LDAP disableauthentication
LDAP addclusteradmin
LDAP testauthentication
LDAP enableauthentication
LDAP getconfiguration
loggingsession getloginsessioninfo
loggingsession getremotelogginghosts

loggingsession setremotelogginghosts
loggingsession setloginsessioninfo
network listinterfaces
network listfibrechannelportinfo
network listnodefibrechannelportinfo
network listiscsisessions
network listfibrechannelsessions
node listpending
node listall
node liststats
node getbootstrapconfig
node remove
node listpendingactive
node getorigin
node getstats
node add
node getnetworkconfig
node getpendingoperation
node listactive
node getconfig
pairing removevolumepair
pairing startvolume
pairing removeclusterpair
pairing listclusterpairs
pairing modifyvolumepair
pairing startcluster
pairing completevolume
pairing completecluster
pairing listactivepairedvolumes
restart services
restart resetnode
restart networking
restart shutdown
schedule create
schedule get
schedule list

schedule modify
sensors getipmiinfo
sensors getipmiconfig
service list
sfapi invoke
snapshot deletegroup
snapshot modify
snapshot creategroup
snapshot rollbackto
snapshot rollbacktogroup
snapshot listgroup
snapshot delete
snapshot list
snapshot create
snapshot modifygroup
storagecontainers list
storagecontainers getstoragecontainerefficiency
storagecontainers createstoragecontainer
storagecontainers delete
storagecontainers modifystoragecontainer
test listutilities
test connectensemble
test list
test connectmvip
test ping
test connectsvip
virtualnetwork add
virtualnetwork list
virtualnetwork remove
virtualnetwork modify
virtualvolume listhosts
virtualvolume gettaskupdate
virtualvolume canceltask
virtualvolume modifyvasaproviderinfo
virtualvolume getunsharedchunks
virtualvolume getcount

virtualvolume listbindings
virtualvolume listprotocolendpoints
virtualvolume listvolumestatsby
virtualvolume create
virtualvolume modifymetadata
virtualvolume unbind
virtualvolume modify
virtualvolume getfeaturestatus
virtualvolume fastclone
virtualvolume unbindallfromhost
virtualvolume querymetadata
virtualvolume createhost
virtualvolume list
virtualvolume snapshot
virtualvolume enablefeature
virtualvolume listtasks
virtualvolume bind
virtualvolume getallocatedbitmap
virtualvolume clone
virtualvolume rollback
virtualvolume getunsharedbitmap
virtualvolume delete
virtualvolume modifyhost
virtualvolume getvasaproviderinfo
virtualvolume preparevirtualsnapshot
volume addtoaccessgroup
volume modify
volume getasyncresult
volume cancelclone
volume getcount
volume getefficiency
volume setdefaultqos
volume listdeleted
volume create
volume restoredeleted
volume getstats

volume listasyncresults
volume updatebulkstatus
volume startbulkread
volume liststatsbyaccount
volume list
volume liststatsby
volume listbulkjobs
volume clonemultiple
volume listforaccount
volume clone
volume startbulkwrite
volume delete
volume liststatsbyaccessgroup
volume getdefaultqos
volume purgedeleted
volume copy
volume liststats
volume removefromaccessgroup
volumeaccessgroup modifylunassignments
volumeaccessgroup delete
volumeaccessgroup list
volumeaccessgroup create
volumeaccessgroup getlunassignments
volumeaccessgroup getefficiency
volumeaccessgroup modify

Where to find additional information

You can use the resources in this section for additional information.

- For information about how to use CLI Tools, see the *NetApp SolidFire CLI Tools 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*.

Contacting NetApp SolidFire Active Support

You can contact NetApp SolidFire Active Support if you have any questions or comments about SolidFire documents or products in general.

Visit *NetApp SolidFire support* or email *ng-SF-Support@netapp.com* for help with NetApp SolidFire systems.

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