



NetApp SolidFire Java SDK Release Notes

Version: v1.1

9/20/16

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Introduction

The SolidFire Java SDK is a collection of software modules and libraries that facilitate integration and orchestration between proprietary systems and third-party applications. The Java SDK allows developers to deeply integrate SolidFire system API with their Java programming language. The SolidFire Java SDK reduces the amount of additional coding time required for integration.

The intended audience for this document is Java developers who are responsible for integrating SolidFire into other applications.

Support Matrix

The following software is supported by the SolidFire Java SDK.

Component	Version
Java	7.0 and 8.0
SolidFire OS	Element 7 and 8

Downloading the SolidFire Java SDK

Complete the following steps to bring the SolidFire Java SDK into your environment.

Procedure

- 1. Download the JAR from SolidFire <u>BrickFTP</u> or <u>GitHub</u> to a local or network directory that is accessible to the system from which you will be running Java commands.
- 2. Include the **solidfire-sdk-<version number>.jar** binary in your Java development environment classpath.
- 3. Review the README .md document on the GitHub project page for examples of higher level classes.

Incorporating SolidFire Java SDK with your Project

The SolidFire Java SDK is hosted on a Maven Public Repository and is ready for inclusion with a build manager that performs dependency resolution, such as Maven, Ivy, SBT, or Gradle. The following dependency descriptors are all you need to incorporate the Java SDK in your project:

groupId com.solidfire
artifactId element-api
version 1.1.0.81

For example, to include the Java SDK in a Maven project, add the following to your pom.xml:

```
<dependency>
   <groupId>com.solidfire</groupId>
   <artifactId>element-api</artifactId>
   <version> 1.1.0.81</version>
</dependency>
```

What's New in this Release

The Java SDK version 1.1 release expands the available set of SolidFire Element OS version 8.0 Oxygen APIs.

New SolidFire SDK API Methods

The following new SolidFire API methods are available in Java wrappers in SolidFire Java SDK version 1.1:

Element OS 8	
AddClusterAdmin	
AddDrives	
AddNodes	
AddVirtualNetwork	
ClearClusterFaults	
CloneMultipleVolumes	
CreateBackupTarget	
CreateSchedule	
CompleteClusterPairing	
CompleteVolumePairing	
DisableEncryptionAtRest	
DisableSnmp	
EnableEncryptionAtRest	
EnableSnmp	
GetAccountEfficiency	
GetBackupTarget	
GetClusterCapacity	
GetClusterConfig	
GetClusterFullThreshold	
GetClusterInfo	
GetClusterStats	
GetClusterVersionInfo	
GetCompleteStats	
GetConfig	
GetCurrentClusterAdmin	
GetDriveHardwareInfo	
GetDriveStats	

GetImits GetNetworkConfig GetNodeStats GetRawStats GetSchedule GetSmmpACL GetSmmpACL GetSmmpACL GetSmmpTate GetSmmpTate GetSmmpTato GetSmmpTate GetSmmpTatlof GetVolumeAccesGroupEfficiency ListActiveNodes ListActivePairedVolumes ListActivePairedVolumes ListClusterAdmins ListClusterAdmins ListClusterPairs ListClu	Element OS 8	
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ListVirtualNetworks ModifyBackupTarget ModifyClusterAdmin ModifyClusterFullThreshold ModifySchedule	ListTests	
ModifyBackupTarget ModifyClusterAdmin ModifyClusterFullThreshold ModifySchedule	ListUtilities	
ModifyClusterAdmin ModifyClusterFullThreshold ModifySchedule	ListVirtualNetworks	
ModifyClusterFullThreshold ModifySchedule	ModifyBackupTarget	
ModifySchedule	ModifyClusterAdmin	
	ModifyClusterFullThreshold	
ModifyVirtualNetwork	ModifySchedule	
	ModifyVirtualNetwork	

Element OS 8	
ModifyVolumePair	
RemoveBackupTarget	
RemoveClusterAdmin	
RemoveClusterPair	
RemoveDrives	
RemoveNodes	
RemoveVirtualNetwork	
RemoveVolumePair	
ResetDrives	
SecureEraseDrives	
SetClusterConfig	
SetConfig	
SetNetworkConfig	
SetSnmpACL	
SetSnmpInfo	
SetSnmpTrapInfo	
SnmpSendTestTraps	
StartClusterPairing	
StartVolumePairing	
TestConnectEnsemble	
TestConnectMvip	
TestConnectSvip	
TestDrives	
TestPing	

All SolidFire SDK API Methods

The following SolidFire API methods are available in Java wrappers in SolidFire Java SDK version 1.1:

Element OS 8	Element OS 7
AddAccount	AddAccount
AddClusterAdmin	
AddInitiatorsToVolumeAccessGroup	AddInitiatorsToVolumeAccessGroup
AddDrives	

Element OS 8	Element OS 7
AddNodes	
AddVirtualNetwork	
AddVolumesToVolumeAccessGroup	AddVolumesToVolumeAccessGroup
ClearClusterFaults	
CloneMultipleVolumes	
CloneVolume	CloneVolume
CompleteClusterPairing	
CompleteVolumePairing	
CreateBackupTarget	
CreateGroupSnapshot	CreateGroupSnapshot
CreateSchedule	
CreateSnapshot	CreateSnapshot
CreateVolume	CreateVolume
CreateVolumeAccessGroup	CreateVolumeAccessGroup
DeleteGroupSnapshot	DeleteGroupSnapshot
DeleteSnapshot	DeleteSnapshot
DeleteVolume	DeleteVolume
DeleteVolumeAccessGroup	DeleteVolumeAccessGroup
DisableEncryptionAtRest	
DisableSnmp	
EnableEncryptionAtRest	
EnableSnmp	
GetAccountByID	GetAccountByID
GetAccountByName	GetAccountByName
GetAccountEfficiency	
GetAPI	GetAPI
GetAsyncResult	GetAsyncResult
GetBackupTarget	
GetClusterCapacity	
GetClusterConfig	
GetClusterFullThreshold	
GetClusterInfo	

etClusterStats etClusterVersionInfo etCompleteStats	
etCompleteStats	
etConfig	
etCurrentClusterAdmin	
etDriveHardwareInfo	
etDriveStats	
etLimits	
etNetworkConfig	
etNodeStats	
etRawStats	
etSchedule	
etSnmpACL	
etSnmpInfo	
etSnmpState	
etSnmpTrapInfo	
etVolumeAccessGroupEfficiency	
etVolumeEfficiency	GetVolumeEfficiency
etVolumeStats	GetVolumeStats
istAccounts	ListAccounts
istActiveNodes	
istActivePairedVolumes	
istActiveVolumes	ListActiveVolumes
istAllNodes	
istBackupTargets	
istClusterAdmins	
istClusterFaults	
istClusterPairs	
istDeletedVolumes	ListDeletedVolumes
istDriveHardware	
istDrives	
istEvents	

Element OS 8	Element OS 7
ListGroupSnapshots	ListGroupSnapshots
ListISCSISessions	
ListNodeStats	
ListPendingNodes	
ListSchedules	
ListSnapshots	ListSnapshots
ListTests	
ListUtilities	
ListVirtualNetworks	
ListVolumeAccessGroups	ListVolumeAccessGroups
ListVolumes	
ListVolumesForAccount	ListVolumesForAccount
ListVolumeStatsByAccount	ListVolumeStatsByAccount
ListVolumeStatsByVolume	ListVolumeStatsByVolume
ListVolumeStatsByVolumeAccessGroup	ListVolumeStatsByVolumeAccessGroup
ModifyAccount	ModifyAccount
ModifyBackupTarget	
ModifyClusterAdmin	
ModifyClusterFullThreshold	
ModifyGroupSnapshot	
ModifySchedule	
ModifySnapshot	
ModifyVirtualNetwork	
ModifyVolume	ModifyVolume
ModifyVolumeAccessGroup	ModifyVolumeAccessGroup
ModifyVolumePair	
PurgeDeletedVolume	PurgeDeletedVolume
RemoveAccount	RemoveAccount
RemoveBackupTarget	
RemoveClusterAdmin	
RemoveClusterPair	
RemoveDrives	

Element OS 8	Element OS 7
RemovelnitiatorsFromVolumeAccessGroup	RemoveInitiatorsFromVolumeAccessGroup
RemoveNodes	
RemoveVirtualNetwork	
RemoveVolumesFromVolumeAccessGroup	RemoveVolumesFromVolumeAccessGroup
RemoveVolumePair	
ResetDrives	
RestoreDeletedVolume	RestoreDeletedVolume
RollbackToGroupSnapshot	RollbackToGroupSnapshot
RollbackToSnapshot	RollbackToSnapshot
SecureEraseDrives	
SetClusterConfig	
SetConfig	
SetNetworkConfig	
SetSnmpACL	
SetSnmpInfo	
SetSnmpTrapInfo	
SnmpSendTestTraps	
StartClusterPairing	
StartVolumePairing	
TestConnectEnsemble	
TestConnectMvip	
TestConnectSvip	
TestDrives	
TestPing	

For more detail on SolidFire API methods, refer to the SolidFire Element API Reference Guide for your operating system.

Contacting SolidFire SDK Support

If you have any questions or comments about this product, contact <u>ng-sf-host-integrations-sdk@netapp.com</u> or reach out to the development community at <u>ThePub</u>. Your feedback helps us focus our efforts on new features and capabilities.



1600 Pearl Street, Suite 200 Boulder, Colorado 80302

Phone: 720.523.3278 Email: <u>info@solidfire.com</u> Web: <u>www.solidfire.com</u>

SolidFire Support: www.solidfire.com/support/

9/20/16