NetApp Element

Java SDK Release Notes

Version 12.3

■ NetApp®

Contents

Introduction

The NetApp Element 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 Element storage-based system API with their Java programming language. The NetApp Element 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 NetApp Element into other applications.

> **Note:** All version 12.3 SDK languages have identical Element storage functionality and available APIs.

Support and dependencies

The NetApp Element Java SDK supports and depends on software and components.

Support matrix

- Java: Versions 7.0 and 8.0
- NetApp Element software: Versions 11.0 through 12.3

Dependency matrix

- base64: Version 2.3.9
- solidfire.code.gson: Version 2.6.2
- joda-time: Version 2.9.3
- joda-convert: Version 1.8.1
- slf4j-api: Version 1.7.25

Downloading the NetApp Element Java SDK

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

Steps

1. Download the most recent Java sdk `.tar.gz` file from the the NetApp Support Site.
2. Extract the files and directories.
3. Include the `solidfire-sdk-java-<version number>.jar` binary in your Java development environment classpath.
4. Review the documentation inside the `docs` directory for information on classes and APIs.

What's new in this release

The Element SDK version 12.3 release expands supported NetApp Element software API methods through version 12.3. This release also contains revised parameters for existing methods.

NetApp Element SDK API methods

NetApp Element SDK version 12.3 provides Element storage API methods. The availability of each API depends on the version of Element software.

- *New API methods for Element software 12* on page 6
- *New API methods for Element software 11* on page 7

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

New API methods for Element software 12

NetApp Element SDK version 12.3 includes Element 12 methods.

The following version 12.3 API methods have been added to all SDK languages:

Node

- GetPatchInfo
- ListNetworkInterfaceStats

Encryption

- GetEncryptionAtRestInfo
- GetSoftwareEncryptionAtRestInfo
- RekeySoftwareEncryptionAtRestMasterKey

The following version 12.2 API methods have been added to all SDK languages:

Cluster

- DisableMaintenanceMode
- EnableMaintenanceMode
- GetLicenseKey
- SetLicenseKey

The following version 12.0 API methods have been added to all SDK languages:

Cluster

- DeleteAuthSession
- DeleteAuthSessionsByClusterAdmin
- DeleteAuthSessionsByUsername
- GetBinAssignmentProperties
- GetProtectionDomainLayout
- ListActiveAuthSessions
- ListAuthSessionsByClusterAdmin
- ListAuthSessionsByUsername
- SetProtectionDomainLayout

IDP

- AddIdpClusterAdmin
- CreateIdpConfiguration

- DeleteIdpConfiguration
- DisableIdpAuthentication
- EnableIdpAuthentication
- GetIdpAuthentication
- ListIdpConfigurations
- UpdateIdpConfiguration

New API methods for Element software 11

NetApp Element SDK version 12.3 includes Element 11 methods.

The following version 11.8 API methods have been added to all SDK languages:

Cluster

- CreateClusterInterfacePreference
- CheckProposedNodeAdditions
- DeleteClusterInterfacePreference
- GetActiveTlsCiphers
- GetClusterInterfacePreference
- GetClusterStructure
- GetSupportedTlsCiphers
- ListClusterInterfacePreferences
- ListProtectionDomainLevels
- ModifyClusterInterfacePreference
- ResetSupplementalTlsCiphers
- SetClusterStructure (Not supported in Python SDK and the CLI)
- SetSupplementalTlsCiphers
- TestAddressAvailability

Node

- CheckProposedCluster
- ControlPower
- DisableAutoIp
- EnableAutoIp
- GetLldpConfig
- GetNodeFipsDrivesReport
- SetLldpConfig

Security

- AddKeyServerToProviderKmip
- CreateKeyProviderKmip
- CreateKeyServerKmip
- CreatePublicPrivateKeyPair
- DeleteKeyProviderKmip
- DeleteKeyServerKmip
- GetClientCertificateSignRequest
- GetFipsReport
- GetKeyProviderKmip
- GetKeyServerKmip
- ListKeyProvidersKmip
- ListKeyServersKmip

- ModifyKeyServerKmip
- RemoveKeyServerFromProviderKmip
- TestKeyProviderKmip
- TestKeyServerKmip

SnapMirror

- AbortSnapMirrorRelationship
- BreakSnapMirrorRelationship
- CreateSnapMirrorEndpointUnmanaged
- CreateSnapMirrorRelationship
- CreateSnapMirrorVolume
- DeleteSnapMirrorRelationships
- GetOntapVersionInfo
- GetSnapMirrorClusterIdentity
- InitializeSnapMirrorRelationship
- ListSnapMirrorAggregates
- ListSnapMirrorLuns
- ListSnapMirrorNetworkInterfaces
- ListSnapMirrorNodes
- ListSnapMirrorPolicies
- ListSnapMirrorRelationships
- ListSnapMirrorSchedules
- ListSnapMirrorVolumes
- ListSnapMirrorVservers
- ModifySnapMirrorEndpointUnmanaged
- ModifySnapMirrorRelationship
- QuiesceSnapMirrorRelationship
- ResumeSnapMirrorRelationship
- ResyncSnapMirrorRelationship
- UpdateSnapMirrorRelationship

SSH sessions

- DisableClusterSSH
- EnableClusterSSH
- GetClusterSSHInfo

Known issues

The following APIs are not supported in the Element Java SDK version 12.3 release.

API Name	Description
TestDrives	The SDK is unable to parse the response received from the cluster.
CheckPingOnVlan	The SDK is unable to parse the response received from the cluster.

Where to find product documentation and other information

You can learn more about using and managing NetApp HCI and SolidFire all-flash storage from the resources available in the Documentation Centers and Resources pages for both products.

In the Documentation Centers, you can also find information about hardware installation and maintenance, additional content resources available, links to known issues and resolved issues, and the latest release notes. On the Resources pages, you can find links to data sheets, technical reports, white papers, and videos.

- *NetApp HCI Documentation*
- *NetApp HCI Documentation Center*
- *NetApp HCI Resources page*
- *SolidFire and Element 12.3 Documentation Center*
- *SolidFire and Element 12.2 Documentation Center*
- *SolidFire and Element 12.0 Documentation Center*
- *SolidFire and Element 11.8 Documentation Center*
- *SolidFire and Element 11.7 Documentation Center*
- *SolidFire and Element 11.5 Documentation Center*
- *SolidFire Resources page*

Contacting NetApp Support

If you need help with or have questions or comments about NetApp products, contact NetApp Support.

- Web:

  mysupport.netapp.com
- Phone:

    ◦ 888.4.NETAPP (888.463.8277) (US and Canada)

    ◦ 00.800.44.638277 (EMEA/Europe)

    ◦ +800.800.80.800 (Asia/Pacific)

Copyright, trademark, and machine translation

Copyright

Trademark

Machine translation