vSphere Web Services SDK 6.7 U1 Release Notes

Release date: 16 OCT 2018 | ESXi GA build, SDK build 9909037

For vSphere 6.7 Update 1. Last document update: 9 OCT 2018

Check frequently for additions and updates to these release notes.

Overview

The vSphere Web Services SDK supports the development of vSphere applications that use the vSphere API to manage virtual machines and virtual infrastructure components, such as datacenters, datastores, and networks.

This SDK release for vSphere 6.7 Update 1 includes new APIs to manage Hyper-Converged Infrastructure (HCI) clusters.

Distribution Kit

The vSphere Web Services SDK is distributed as part of the vSphere Management SDK, a related collection of vSphere SDKs. When you extract the contents of the distribution kit, the vSphere WSSDK is contained in the SDK sub-directory:

```
VMware-vSphere-SDK-6.7.0-buildNumber.zip

    SDK

        eam

        sms-sdk

        spbm

        ssoclient

        vsphere-ws
```

New in This Release

- **New vSphere APIs.**
  For information about additions to the vSphere API (new managed object types, data object types, enumerations, and fault types) see the "What's New" section of the *VMware vSphere API Reference*.

- **Programming support for HCI clusters.**
  To support hyper converged infrastructure (HDI) the vSphere API in 6.7 U1 includes five new methods in managed object `ClusterComputeResource`, two new methods in managed object `Folder`, and a method to get connection info without adding hostst to the inventory.

- **Persistent memory enhancement.**
  The vSphere API in 6.7 U1 extends managed object `HostNvdimmSystem` with a new method to create a persistent namespace in non-volatile memory when the system is in maintenance mode.

- **Product Locker for VMware Tools.**
  Two new APIs modify and query the product locker location for an ESXi hosts' VMware Tools repository.

Deprecations

Several properties and types defined for the API were deprecated in vSphere API 6.5 and 6.7, but only one data object is deprected for 6.7 U1, `DVSNetworkResourcePool`. You can see all the objects and types with indicators showing when they were added and/or deprecated by clicking "API Versions Reference" in the *VMware vSphere API Reference* manual.

Known Issues

The following known issues was discovered after vSphere Web Services SDK 6.7 release. For known issues previously discovered, see the *vSphere Web Services SDK 6.7 Release Notes*.

- **Java GetVMFiles sample mishandles VM names containing special characters.**
  Under the JAXWS samples, the `GetVMFiles.java` program does not properly handle special characters in VM name passed as parameter.

Documentation Issues

- `VirtualMachine.CloneVM_Task` **method failure.**
  The *VMware vSphere API Reference* does not document a limitation with regard to `VirtualMachineCloneSpec`:

  When `VirtualMachine.CloneVM_Task` fails, it produces the following error: &ldquotThe specified delta disk format 'nativeFormat' is not supported.&rdquot The vCenter Server returns the error when you:
  (1) Create a VAAI NAS native linked clone VM that uses `nativeFormat` for the delta disk format
  `VirtualMachineCloneSpec.location.disk.diskBackingInfo.deltaDiskFormat`, or
  (2) Create a second-level clone from the first clone, and the disk for the second-level clone is on a different datastore. If you do not specify `seSparseFormat` or
  `redoLogFormat` for the second-level clone delta disk format, the clone operation fails.

If you are using a VM clone with a native delta disk format, you must specify either `seSparseFormat` or `redoLogFormat` for any clones that you create from the original native clone when the second-level clone is on a different datastore.

- **The `fault` parameter is required for the `SetTaskState` method.**

  The *VMware vSphere API Reference* does not document this limitation with regard to the `SetTaskState` method:

  If you specify an error state when you call the `SetTaskState` method, you must also specify the `fault` parameter in the calling sequence.

- **The `seSparse` virtual disk type is intended for internal use only.**

  The documentation does not specify internal use only for `VirtualDiskType.seSparse`.

Resolved Issues

- None in this update release.