

Release Notes for:

Oracle VM Storage Connect Plug-in for Oracle ZFS Storage Appliance
v2.1.2
September 2017

Overview:

The Oracle VM Storage Connect Plug-in for the Oracle ZFS Storage Appliance is a component of the Oracle VM software suite that enables Oracle VM to provision and manage the Oracle ZFS Storage Appliance for virtualization.

Updates in this Release:

There are no new features in the 2.1.2 release. This release addresses two previous known issues.

Issues fixed in this release:

- * Bug 26397277: The 2.1.1 plug-in shows the version as 1.0.3 from Oracle VM server, and 2.0 from Oracle VM Manager.
- * Bug 26503856: With Oracle ZFS Storage Appliance running software version OS8.7.2 or later, the Oracle VM Storage Connect Plug-in fails with log message "Not a ZFS Appliance! : Not Found"

Issues fixed in the previous release:

- * Bug 21380918: Adding ISCSI initiators to an access group will fail when CHAP is enabled on OVM UI.
- * Bug 22808407: The error message generated for storage validation failure is not reported to OVM Manager properly.
- * Bug 22516178: Adding a physical disk to an access group takes too long.
- * Bug 22445927: The plug-in fails to parse the server response when trying to discover the storage array, leading to failure of the discovery.
- * Bug 22063098: A KeyError is thrown when the plug-in tries to refresh the storage array, leading to failure of the refresh.
- * Bug 22015815: The plug-in fails to parse the server response when trying to refresh the physical disk, leading to failure of the refresh.
- * Bug 21862947: The plug-in times out when trying to validate the storage array, leading to failure of the validation.
- * Bug 20301093: More detailed information is needed in the generated error message for a failure of cloning virtual machine.
- * Bug 23171173: Refresh storage array fails with message: "ssh timeout, the appliance may be busy, please retry" when the appliance is not actually busy.

* Bug 21794927: CHAP information will be lost when removing an access host through the Oracle VM UI.

* Bug 21686896: Removing an access host does not have effect at backend for ISCSI storage.

* Bug 21618007: More clarity is needed in the generated error message when an access group which has a LUN mapped to it is deleted.

* Bug 24477010: Errors occurring during the removal of an access group are not properly reported to OVM Manager.

* Bug 24525314: The plug-in forbids removing the last initiator from an access group that is not created from OVM.

Hardware and Software Requirements:

- Oracle VM software version 3.2.1 or later.
- Oracle ZFS Storage Appliance Software release OS8.2.0 (2013.06.05.2.0) or later.
- For software versions earlier than OS8.4.0, the REST service must be configured as enabled. For OS8.4.0 and later, REST is preconfigured as enabled.

Installation:

1. Unzip the Oracle VM Storage Connect Plug-in Software zip file (OVMZFSSAPlugin.zip).

2. Log in to the Oracle VM Server as root.

3. Check if a previous version of the RPM already exists:

```
# rpm -qa | grep -i s7k
```

If it exists, remove it:

```
# rpm -ev osc-oracle-s7k
```

4. Install Oracle VM Storage Connect Plug-in:

For Oracle VM Server 3.3.x and 3.4.x:

```
# rpm -ivh osc-oracle-s7k-2.1.2-3.el6.noarch.rpm
```

For Oracle VM Server 3.2.x:

```
# rpm -ivh osc-oracle-s7k-2.1.2-3.el5.noarch.rpm
```

5. Restart the Oracle VM Server agent:

```
# service ovs-agent restart
```

6. If the plug-in is installed on other Oracle VM Servers, repeat steps 2-5 from the Oracle VM Servers.

7. From Oracle VM Manager BUI, re-discover all Oracle VM Servers that have the plug-in installed.

8. From Oracle VM Manager BUI, re-discover all Oracle ZFS Storage Appliance systems by updating the SAN Server properties:

- Select "Storage" tab
- On left pane, select "SAN Server"
- On right pane, select the respective SAN server and click "Edit SAN Server"
- Select the plug-in (2.1.2), verify other properties, and click "OK"

Uninstallation:

From the Oracle VM server, run:

```
# rpm -ev osc-oracle-s7k
```

Known Issues:

* Due to a limitation of Oracle VM, it is not possible to register both iSCSI and FC protocols simultaneously on the same Oracle ZFS Storage Appliance.

* When working with an Oracle ZFS Storage Appliance simulator, you must set the static ip address to ensure that the LUNs are properly discovered and configured.

* When an initiator belongs to multiple access groups, a LUN should not be presented to more than one of those member access groups at the same time.

* During Oracle ZFS Storage cluster head failover, if failover time is longer than the OVM cluster timeout, OVM server will reboot, and the guest VM will be offline. If the guest VM is HA enabled, it will start after OVM server start.

* Creating an access group under takeover takes three times the execution time compared to performing the operation with a system in normal status.

Further Reference Documentation:

For details on configuration, consult the Oracle VM Storage Connect Plug-in for Oracle ZFS Storage Appliance Administration Guide available on the Oracle ZFS Storage Appliance Plug-in Downloads page at:
<http://www.oracle.com/technetwork/server-storage/sun-unified-storage/downloads/zfssa-plugins-1489830.html>