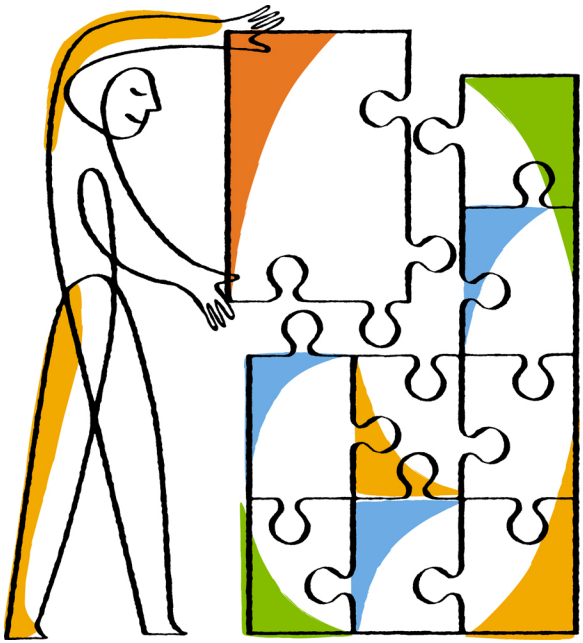
Data ONTAP® SMI-S Agent 5.1.2

Release Notes



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Data ONTAP SMI-S Agent overview

Data ONTAP SMI-S Agent enables you to manage and monitor storage systems and to manage LUNs and volumes of storage systems, CIMOM configuration settings, and CIM server users.

Data ONTAP SMI-S Agent is a command-based interface that detects and manages platforms that run Data ONTAP. SMI-S Agent uses Web-Based Enterprise Management (WBEM) protocols, which enable you to manage, monitor, and report on storage elements.

Data ONTAP SMI-S Agent follows schemas standardized by two organizations:

- Distributed Management Task Force (DMTF)
  For more information, see *http://www.dmtf.org/home*.
- Storage Networking Industry Association (SNIA)
  For more information, see *http://www.snia.org/home*.

Data ONTAP SMI-S Agent replaces the use of multiple managed-object models, protocols, and transports with a single object-oriented model for all components in a storage network.

New in this release

Data ONTAP SMI-S Agent 5.1.2 addresses a vulnerability in the OpenSSL library.

New features in Data ONTAP SMI-S Agent 5.1.2

Data ONTAP SMI-S Agent 5.1.2 includes the following enhancement:

- Addresses a vulnerability in the OpenSSL library *(CVE-2014-0224)*

New features in Data ONTAP SMI-S Agent 5.1.1

Data ONTAP SMI-S Agent 5.1.1 included the following enhancement:

- Addresses a vulnerability in the OpenSSL library *(CVE: 2014-0160)*

Verifying support for your configuration in the IMT

You can use the NetApp Interoperability Matrix (IMT) to verify Data ONTAP SMI-S Agent support for your configuration: Data ONTAP software, host operating system, and the like. Verify your configuration before you install or upgrade to the latest version of Data ONTAP SMI-S Agent.

Steps

1. Go to the *NetApp Interoperability Matrix Tool*.
2. If Data ONTAP SMI-S Agent is not the selected Storage Solution, click **Change** and select it under the Software category:

3. In the **Component Explorer** pane, select each component you want to verify.

   You are prompted to add the components to the worksheet. Click **Add**.

   Tip: Select the parent of a set of components to select all its children.

4. When you are satisfied with your choices, click **Show Results**.
5. The IMT lists each supported configuration.
   - Scroll across a configuration to view the supported components and any notes or alerts for the configuration.

- Click the configuration name to display complete information for supported components, including support history and NetApp policies and guidelines for the selected Storage Solution category.

If no results are returned for your configuration, click **Feedback** in the upper right corner of the IMT.

Fixed issues

It is a good practice to review the bugs fixed in Data ONTAP SMI-S Agent 5.1.2 before upgrading to the new release.

Fixed issues identified in Data ONTAP SMI-S Agent 5.1.2

No new fixed issues identified in Data ONTAP SMI-S Agent 5.1.2.

Fixed issues identified in Data ONTAP SMI-S Agent 5.1.1

Bug ID	Description
788340	SCVMM Discovery failing due to overprovisioning of quotas on SMB shares
807396	SMB share size dropping to 0 in SCVMM
816273	OpenSSL Heartbeat Extension Vulnerability (CVE: 2014-0160) in SMI-S Agent

Known limitations

Known limitations identify platforms, devices, or functions that are not supported by Data ONTAP SMI-S Agent 5.1.2, or that do not interoperate correctly with Data ONTAP SMI-S Agent. Review these limitations carefully.

ServiceNow cache refresh

For configurations supporting up to 100 Storage Virtual Machines, you must increase the CACHE_REFRESH_SEC environment variable to at least one hour (3600 seconds). If your configuration is smaller, you do not need to increase the CACHE_REFRESH_SEC environment variable.

Performance notice for some cimcli commands

For configurations with 5,000 FlexVol volumes or 300,000 Snapshot copies, you might experience performance issues with the following `cimcli` commands:

- `cimcli ei ONTAP_Snapshot -n root/ontap`
- `cimcli ei ONTAP_SnapshotBasedOnFlexVol -n root/ontap`
- `cimcli ei ONTAP_StorageVolumeStats -n root/ontap`

Known issues

Known issues identify problems that might prevent you from using Data ONTAP SMI-S Agent 5.1.2 successfully. NetApp Bugs Online provides complete information about most known issues, including any workarounds.

If a Bugs Online report is available, the bug ID contains a hyperlink to the report. You can click the hyperlink to view the report.

Known issues identified in Data ONTAP SMI-S Agent 5.1.2

No new known issues identified in Data ONTAP SMI-S Agent 5.1.2.

Known issues identified in Data ONTAP SMI-S Agent 5.1.1

The following issues were added to the release notes in an earlier release:

Bug ID	Description
708593	SCVMM 2012 SP1 GUI does not show SVM or storage system name for SMI-S Agent managed objects.

How to get help and find more information

The NetApp Support Site provides access to troubleshooting tools, product documentation, and technical assistance. You can use NetApp Community forums to connect with peers, and the NetApp Library to access technical reports and white papers.

Resource	Description
NetApp Support Site	Access troubleshooting tools, product documentation, and technical support assistance.
NetApp Community public forum	Connect with peers, ask questions, exchange ideas, find resources, and share best practices.
NetApp Library	Access technical reports, white papers, and other documents.

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