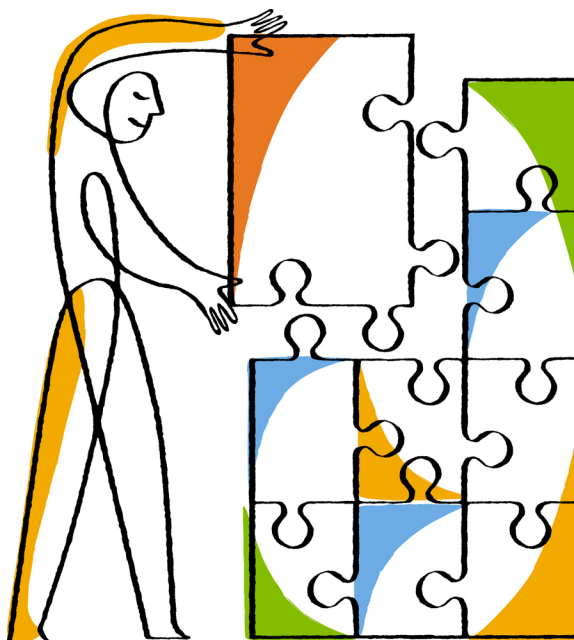




Virtual Storage Console 1.0 for Red Hat® Enterprise Virtualization

Release Notes



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Product overview

Virtual Storage Console (VSC) for Red Hat Enterprise Virtualization (RHEV) software is a single plug-in that provides storage controller configuration, NFS-based storage domain management (provisioning, deduplication, resizing, and destruction), and virtual machine (VM) cloning for RHEV environments with storage domains backed by NetApp storage systems.

VSC for RHEV provides the ability to orchestrate common storage and VM deployment tasks to:

- Achieve operational agility and significantly reduce deployment, management, and troubleshooting time
- Ensure compliance with RHEV environments that utilize NetApp storage systems using provisioning and management best practices
- Achieve multiple levels of storage efficiency to ensure storage cost savings
- Support rapid, efficient, mass VM provisioning to meet changing business needs
- Support for Data ONTAP operating in 7-mode and clustered Data ONTAP

VSC for RHEV offers fully orchestrated, RHEV Manager administration-driven provisioning and cloning capabilities:

- Storage controller configuration
- NFS storage domain provisioning, deduplication, resizing, and destruction

Note: Block-based storage and local storage are not supported in this release.

- Rapid VM cloning (in existing NFS-based storage domains) for virtual desktops and virtual servers powered by NetApp FlexClone
- Cloned VMs instantly available in RHEV Manager

Features in this release

Virtual Storage Console (VSC) 1.0 for Red Hat Enterprise Virtualization (RHEV) includes the following features:

- Provision NFS storage domains
- Resize NFS storage domains
- Configure deduplication settings on NFS storage domains
- Destroy NFS storage domains
- Clone virtual machines on NFS in existing storage domains

Support for the following software:

- Data ONTAP
- Operating systems
 - Red Hat Enterprise Linux (RHEL)
 - Microsoft Windows (Client only)
- Red Hat Enterprise Virtualization (RHEV) Manager
- RHEV Hypervisor
- Oracle Open Java Development Kit (JDK)
- Web browsers
 - Internet Explorer (IE) (on Windows with Enhanced Security Configuration disabled where applicable)
 - Firefox (on RHEL)

Verifying support for your configuration in the IMT

You can use the NetApp Interoperability Matrix (IMT) to verify VSC for RHEV support for your configuration: Data ONTAP software, host operating system, and the like. Verify your configuration before you install VSC 1.0 for RHEV.

Steps

1. Go to support.netapp.com/matrix.
2. If Virtual Storage Console (Red Hat) is not the selected Storage Solution, click **Change** and select it under the **Software > Management Software > Server Suite** 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.

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

Known limitations

Known limitations identify platforms, devices, or functions that are not supported by VSC 1.0 for RHEV, or that do not work correctly with VSC. Review these limitations carefully.

The following are known limitations:

- Cloning can only be done between storage domains in the same data center.
- When you clone a virtual machine that has a CPU pinning topology, the pinning topology is not carried over into the clones.
- When you provision on a controller that is a directly connected Storage Virtual Machine (SVM), the path between the LIF and the aggregate is not verified to be direct because of a limitation of access to the required information when using a direct connection to the SVM. Paths between the LIF and the aggregate can be verified as direct when the connection to the controller is through an Admin SVM.
- All aggregates may be listed for use in domain provisioning for an SVM instead of only the aggregates that are assigned it.
- When you provision a storage domain, the aggregate size unit will not update when the unit is changed if the current value of the new domain size is invalid.
- If you start a long running operation (for example, cloning) and log out of the RHEV Administration Console and then log back in before the operation is complete, it can invalidate the session the VSC server was using for the cloning process. When this occurs, the operation that was running will fail because it no longer has authorization to communicate with the RHEV engine. To avoid this situation, if you need to log out and log back in while the operation is in process, you should close and reopen the browser before logging back in.
- Internet Explorer (IE) and Firefox web browsers might not properly release the memory for the VSC for RHEV dialogs. As a result, over time the VSC content could appear to be loading indefinitely. If this occurs, simply refresh the display of the web browser page to resolve the issue.
- oVirt is not supported.

Known issues

Known issues identify problems that might prevent you from using VSC 1.0 for RHEV successfully. NetApp Bugs Online provides complete information for most known issues, including any workarounds.

If a Bugs Online report is available, the bug ID contains a hyperlink to the report.

Known issues identified in this release

The following issue has been identified for this release:

Bug ID	Description
749944	On a directly connected Storage Virtual Machine, newly provisioned storage domains cannot be resized, destroyed, or have deduplication managed without clicking Refresh on the NetApp tab first.

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

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