Understand Virtual Storage Console reports

VSC, VASA Provider, and SRA 9.7

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Understand Virtual Storage Console reports

You can use the Virtual Storage Console (VSC) **Reports** menu to view pre-defined reports for all the datastores managed by a selected VSC instance in a particular vCenter Server. You can perform operations such as sorting and exporting reports.

What reports do

Reports display detailed information about datastores and virtual machines, that enables you to review and identify potential issues with datastores and virtual machines in your vCenter Server.

You can view, sort, and export reports.

Virtual Storage Console (VSC) provides the following pre-defined reports:

- Datastore Report
- Virtual Machine Report
- VVol Datastore Report
- VVol Virtual Machine Report

Datastore Reports

The datastore reports provide detailed information about traditional datastores and the virtual machines that are created on these datastores.

The traditional dashboard enables you to review and identify potential issues with the datastores and virtual machines in your vCenter Server. You can view, sort, and export reports. The data for the traditional datastores and virtual machines report is provided by the vCenter Server.

The datastore provides the following pre-defined reports:

- Datastore Report
- Virtual Machine Report

Datastore Report

The Datastore Report menu provides information on the following parameters for datastores:

- Name of the datastore
- Type of datastore: NFS or VMFS
- Free space
- Used space
- Total space
- Percentage of space utilized
- Percentage of space available

- IOPS

  The report displays the IOPS for the datastore.

- Latency

  The report displays the latency information for the datastore.

You can also verify the time at which the report was generated. The Datastore Report menu enables you to organize the report as per your requirement, and then export the organized report using the **Export to CSV** button. The datastore names in the report are links that navigate to the Monitor tab of the selected datastore, where you can view the datastore performance metrics.

Virtual Machine Report

The Virtual Machine Report menu provides the following performance metrics for all the virtual machines that use datastores provisioned by VSC for a selected vCenter Server:

- Name of the virtual machine
- Committed capacity

  The report displays the value for the committed capacity for a virtual machine.

- Uptime

  The report displays the time for which the virtual machine is powered on and is available on an ESXi host.

- Latency

  The report displays the latency for virtual machines across all datastores associated with the virtual machines.

- Power state

  The report displays whether the virtual machine is powered on or powered off.

- Host

  The report displays the host systems on which the virtual machine is available.

Each virtual machine name in the report is a link to the Monitor tab of the selected virtual machine. You can sort the virtual machine report as per your requirement and export the report in a `.CSV` file, and save the report on your local system. The timestamp of the report is also appended to the saved report.

vVols reports

vVols reports display detailed information about VMware Virtual Volumes (vVols) datastores and the virtual machines that are created on these datastores. The vVol dashboard enables you to review and identify potential issues with the vVols datastores and virtual machines in your vCenter Server.

You can view, organize, and export reports. The data for the vVols datastores and virtual machines report is

provided by the ONTAP along with OnCommand API Services.

vVols provides the following pre-canned reports:

- vVol Datastore Report
- vVol VM Report

vVol Datastore Report

The **vVol Datastore Report** menu provides information about the following parameters for datastores:

- vVols datastore name
- Free space
- Used space
- Total space
- Percentage of space utilized
- Percentage of space available
- IOPS
- Latency

You can also verify the time at which the report was generated. The **vVol Datastore Report** menu enables you to organize the report as per your requirement, and then export the organized report by using the **Export to CSV** button. Each SAN vVols datastore name in the report is a link that navigates to the **Monitor** tab of the selected SAN vVols datastore, which you can use to view the performance metrics.

vVols Virtual Machine Report

The **vVol Virtual Machine Summary Report** menu provides the following performance metrics for all of the virtual machines that use the SAN vVols datastores that are provisioned by VASA Provider for ONTAP for a selected vCenter Server:

- Name of the virtual machine
- Committed capacity
- Uptime
- Throughput

  The report displays whether the virtual machine is powered on or powered off.

- Logical space
- Host
- Power state
- Latency

  The report displays the latency for virtual machines across all of the vVols datastores that are associated with the virtual machines.

Each virtual machine name in the report is a link to the **Monitor** tab of the selected virtual machine. You can organize the virtual machine report according to your requirement, export the report in `.CSV` format, and then

save the report on your local system. The timestamp of the report is appended to the saved report.

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