



vCloud Usage Meter

Version 3.4

Release Notes

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New Features

Support for Horizon DaaS

From this release onwards, Usage Meter can meter Horizon DaaS (previously known as Deskstone). To begin metering, click the Add button under Horizon DaaS. In the new dialog, enter a Host Name (IP), your User Name and Password, and click Save.

The Horizon DaaS instance is added to the list of instances. You can add one or more instances. If an error occurs, a message is displayed and the server is not added. Usage Meter performs collections against all added Horizon DaaS instances.

Option to Meter vCenter Operations Manager Usage as Standalone

Previously, vCenter Operations Manager usage was only reported through a bundle. You now have the option to report vCenter Operations Manager usage as standalone via a checkbox in Manage > Reports. If reporting as standalone, a new row is displayed in the Monthly Usage Report.

Option to Meter NSX Usage as Standalone

NSX usage can be reported as part of a bundle or standalone via a checkbox in Manage > Reports. If reporting as standalone, a new row is displayed in the Monthly Usage Report.

New Virtual Machine History Report

In versions of Usage Meter prior to 3.4, information about vCenter Server inventory items (virtual machines, folder, hosts, etc.) was collected every hour and saved in the database. This resulted in large amounts of redundant data, which took space to store and slowed down report generation.

Starting in 3.4, Usage Meter remains connected to each vCenter Server, and from each one continually receives only changes that are relevant (power, new virtual machine, deleted virtual machine, new folder, virtual machine moved to a different host, etc.). Only these changes are saved in the database. Instead of hourly samples it now keeps time spans during which everything relevant about a virtual machine remains constant. If a virtual machine is powered on for two months and is then powered off, there will be just one record kept of that entire two-month interval.

These changes are reflected in the Usage Meter's reports. The Detailed Billing and Usage Reports are replaced by the Virtual Machine History report, which, rather than having one line for each virtual machine each hour, has one line for each of the intervals described above.

New Customer Monthly Usage Report

This report is similar to the Monthly Usage Units part of the Monthly Usage Report, but is broken down by customer.

New Sections in the Monthly Billing Report

- The vCloud Director Summary section contains additional details about vCloud Director (if configured).
- The Product Configuration Issues section highlights potential product configuration issues. For example, it can report that credentials have not been set for a vCenter Operations Manager, which is used to manage virtual machines on a vCenter Server that has been added to the Usage Meter.

Deprecated Reports

- Bundle Report
- License Summary Report

Deleted Reports

- Detailed Usage Report
- Detailed Billing Report

Additional Products Supported

- NSX
- vCenter Site Recovery Manager 6.0
- vRealize Operations Manager 6.0
- vSAN

Products No Longer Supported

- vCloud Integration Manager
- Zimbra®

OpenSSL Patch

The OpenSSL library is updated to version SLES SP3 to address CVE-2014-6271, CVE-2014-7169, CVE-2014-7186, and CVE-2014-7187.

JRE is upgraded to version 1.7, which is more secure and supports more SSL protocols.

Installation

Usage Meter 3.4 is installed as a new appliance. You can import configuration data (all data displayed on the Manage page), but not measurements, from any earlier version up to Usage Meter 3.2.0 by following these steps:

1. Back up the Usage Meter appliance that you are importing from, to protect against the unlikely event that the importing process harms that Usage Meter.

2. Turn on sshd on the old Usage Meter with the `service sshd start` command.
3. On Usage Meter 3.4, log in as root (or log in as usgmtr and become root), and run the `importum <hostname> <version>` command, where `<hostname>` is the TCP hostname or IP address of the old Usage Meter and `<version>` is one of 320, 330, 331, 332, 333.

Importum uses ssh and scp to export the database from the old system and copy it and the keystore files to Usage Meter 3.4. You will be prompted twice, once by ssh and once by scp for the usgmtr password of the old system (or the root password if using Usage Meter 3.3.0 or earlier).

Note: The log file might contain the following messages, which you can ignore.

ERROR: must be owner of extension plpgsql

WARNING: no privileges could be revoked for "public"

4. Turn off sshd on the old Usage Meter with the `service sshd stop` command.

The login password of the 3.4 Usage Meter Web application will be set to the password of the old system. You can change it with the `webpass` command. Any self-signed VMware product certificates you accepted on the old Usage Meter will be copied to Usage Meter 3.4. Any changes you made to `web.xml` or `default.props` on the old system will not be preserved. You can run the 3.4 system in parallel with the old system while you ensure it is working correctly. You can run the import script more than once.

IMPORTANT

If you are a Service Provider and are installing Usage Meter 3.4 in the middle of a month:

- You should run the existing Usage Meter appliance till the end of that month.
- You should use the data from the existing Usage Meter appliance for reporting for the month in which installation takes place.
- You should shut down and then backup the existing Usage Meter appliance.

Note: The vCloud Air Network Program (previously, known as VSPP) stipulates that a Service Provider needs to keep usage data for a period of 24 months going back from the current month.

In the month following the Usage Meter 3.4 installation, you should use the data from the Usage Meter 3.4 appliance for monthly reporting for that month and thereafter.

Documentation

In addition to the Release Notes, also see the following documentation on the [vCloud Usage Meter Community](#) page:

- vCloud Usage Meter 3.4 Reporting Guidelines
- vCloud Usage Meter 3.4 User's Guide
- vCloud Usage Meter 3.4 API Reference

Interoperability Matrix

Product	Versions Supported
ESXi	4.1, 5.0, 5.1, 5.5, 5.5 U1 and U2, 6.0
Horizon DaaS (previously, Deskton Server)	6.0, 6.0.0, 6.0.1, 6.1.X
NSX	6.0.5, 6.1, 6.0.X, 6.1.X
Site Recovery Manager (SRM)	5.0.1, 5.1, 5.5, 5.5.1, 5.8, 6.0
vCenter Server	4.1, 4.1 U1 to U3, 5.0, 5.0 U1 to U3, 5.1, 5.1 U1, 5.5, 5.5 U1 to U3, 6.0
vCloud Director	1.5, 5.1, 5.5, 5.5.1, 5.5.2, 5.6.3 (VCD-SP)
vCenter Operations Manager	5.0, 5.0.1, 5.0.3, 5.6, 5.7, 5.7.1 to 5.7.4, 5.7.2, 5.8, 5.8.1 to 5.8.4, 5.8.5, 6.0, 6.0.1, 6.0.2
vCloud Automation Center (previously, vRealize Automation Center)	6.0, 6.1, 6.2, 6.2.1
vSAN	5.5, 6.0

Defects Fixed

- In 3.3, the API for creating rules was inadvertently changed to use the vCenter Server hostname (vcServerHost) instead of its Usage Meter database ID (vcServerId). In 3.4 the API again matches the documentation, with vcServerId being the way to specify the vCenter Server (vcServerHost will continue to be accepted in 3.4.).
- On the Manage page, long-running rebuild operations for vCenter Operations Manager would fail.
- When creating reports, customers are supposed to be selectable by name, country or postal code. In 3.0.1, the ability to select customers by postal code did not work.
- `NullPointerException` would occur when a license did not have an `entityDisplayName`.
- Imprecise identification would occur for virtual machines managed by vCenter Operations Manager.
- It was not possible to delete a license set that is used in an automatic report.

Known Issues

- In Internet Explorer 9, display of some fields is not properly aligned. Fields display properly for Firefox and Chrome.

Workaround: In Internet Explorer 9, switch to the Internet Explorer 8 compatibility mode.

Support Requests

For Technical Support, file a request through standard VMware process available at [My VMware](#).