Managing CloudSense Analytics

This chapter contains the following sections:

CloudSense Analytics

CloudSense Analytics in Cisco UCS Director provide visibility into the infrastructure resources utilization, critical performance metrics across the IT infrastructure stack, and capacity in real time. CloudSense significantly improves capacity trending, forecasting, reporting, and planning of virtual and cloud infrastructures.

You can generate the following reports with CloudSense:

- Billing Report for a Customer

- EMC Storage Inventory Report

- NetApp Storage Inventory Report

- NetApp Storage Savings Per Group

- NetApp Storage Savings Report

- Network Impact Assessment Report

- Organizational Usage of Virtual Computing Infrastructure

- PNSC Account Summary Report

- Physical Infrastructure Inventory Report for a Group

- Storage Dedupe Status Report

- Storage Inventory Report For A Group

- Thin Provisioned Space Report

- UCS Data Center Inventory Report

- VM Activity Report by Group

- VMware Host Performance Summary

- Virtual Infrastructure and Assets Report

Note This is a complete list of reports available in the system. However, the number of reports available in the system for a user depends on the user role. By default, the **CloudSense** option is not visible to MSP administrators. The system administrator needs to enable this option for MSP administrators. Once this is done, then when an MSP administrator logs in, only reports relevant to customer organizations are displayed.

Generating a Report

Before you begin

You must be signed into the appliance before completing this task.

Step 1 Choose **CloudSense** > **Reports**.

Step 2 Click a tab based on the type of report you want to generate. It can be one of the following:

- Application Container Report

- Billing Report for a Customer

- Cisco C880M4 Inventory Report

- EMC Storage Inventory Report

- Group Infrastructure Inventory Report

- Hyper V Cloud Utilization Summary Report

- IBM Storwize Inventory Report

- NetApp Storage Inventory Report

- NetApp Storage Savings Per Group Report

- NetApp Storage Savings Report

- Network Impact Assessment Report

- Organizational Usage of Virtual Computing Infrastructure Report

- PNSC Account Summary Report

- Physical Infrastructure Inventory Report for a Group

- Service Request Statistics

  • Service Request Statistics Per Group

  • Storage Dedupe Status Report

  • Storage Inventory Report for a Group

  • Thin Provisioned Space Report

  • UCS Data Center Inventory Report

  • VM Activity Report By Group

  • VM Performance Summary Report

  • VMware Cloud Utilization Summary Report

  • VMware Host Performance Summary Report

  • Virtual Infrastructure and Assets Report

Step 3   Click **Generate Report**.

Step 4   In the **Generate Report** screen, complete the required fields, including the following:

Name	Description
Context drop-down list	Select the group that you want to generate the report for. **Note** If you are an administrator, then this drop-down list displays all the groups for which you have administrative privileges. For example, if you are an MSP administrator, then this drop-down list displays all the customer groups that you manage. This list does not display any other groups.
Report Label field	You can provide a label for the report to distinguish it from the other reports that you generate.

Step 5   Click **Submit**.

The report is generated in the system. This generated report is accessible only to you and to users in the groups that you manage. For example, if you are an MSP administrator, then this generated report is not visible to other MSP administrators or groups.

Generating an Assessment

Step 1   Choose **CloudSense** > **Assessments**.

Step 2   Click **Generate Report**.

Step 3   In the **Generate Report** screen, complete the required fields, including the following:

Name	Description
Context drop-down list	Select the group that you want to generate the report for. **Note** If you are an administrator, then this drop-down list displays all the groups for which you have administrative privileges. For example, if you are an MSP administrator, then this drop-down list displays all the customer groups that you manage. This list does not display any other groups.
Report Label field	You can provide a label for the report to distinguish it from the other reports that you generate.

Step 4   Click **Submit**.

Report Builder for Custom Report Templates

Using the **Report Builder** option in Cisco UCS Director, you can create custom report templates to run reports on specific parameters. You can specify the context, the type of report to run, and the duration of the data samples for the report. You can also create multiple templates.

After you have created a report template, you can use it to generate a report in either PDF or HTML formats. You can view custom reports in Cisco UCS Director or you can email reports, either to yourself and to other users in your organization. You can review and archive these reports outside Cisco UCS Director.

In addition to creating a template, you can edit, clone, and delete custom report templates.

Note   You cannot generate daily and hourly trend cost reports using the report builder. You can generate trend reports only for weekly and monthly duration. While generating trend reports for a month, the data is caculated from the first day of the month till the current date. For example, if you are generating a trend report on 5th March, this report includes data from March 1st, to March 5th.

Creating a Report Builder Template

Step 1   Choose **CloudSense** > **Report Builder**.

Step 2   Click **Add Template**.

Step 3   In the **Add Template** screen, complete the required fields, including the following:

Name	Description
Name field	The name of the report template.

Name	Description
Description field	A description of the template.
Reports field	Click + to add entries to the reports.

Step 4 In the **Add Entry to Reports** screen, complete the required fields, including the following:

Name	Description
Report Context drop-down list	Choose one of the following options: • **VDC** • **Cloud** • **Physical Account** • **Multi Domain Manager** • **Global** • **Global Admin**
VDC drop-down list	Choose a VDC. This field is displayed only when the report context is set to **VDC**.
Clouds drop-down list	Choose a cloud from the drop-down list. This list displays all the clouds that have been previously configured in the system. This field is displayed only when the report context is set to **Cloud**.
Physical Accounts drop-down list	Choose a physical account from the drop-down list. This list displays all the accounts that have been previously configured in the system. This field is displayed only when the report context is set to **Physical Accounts**.
Multi Domain Manager	Choose a multi-domain manager from the drop-down list. This list displays all the accounts that have been previously configured in the system. This field is displayed only when the report context is set to **Multi Domain Manager**.
Reports drop-down list	Click **Select** to choose the reports that you want included in the template. This list is filtered depending on the report context that you have selected.

Name	Description
Duration for Trend Reports drop-down list	If you specified **VDC** as the report context, then choose one of the following durations for the template: • **Hourly** • **Daily** • **Weekly** • **Monthly** If you specified **Cloud** as the report context, then choose one of the following durations for the template: • **Daily** • **Weekly** • **Monthly**

Step 5   Click **Submit**.

Step 6   In the **Add Template** screen, click **Submit**.

What to do next

After you have created a template, you can generate a report based on the template. For more information, see Generating a Report from a Template, on page 6.

Generating a Report from a Template

Before you begin

You should have created a report template in the system. For information, see Creating a Report Builder Template, on page 4.

Step 1   Choose **CloudSense** > **Report Builder**.

Step 2   Select a template from the table.

Step 3   From the **More Actions** drop-down menu, choose **Generate Report**.

Step 4   In the **Confirm Report Generation** screen, complete the required fields, including the following:

Name	Description
Report Title field	A title for the report.
Description field	A description of the report.

Step 5   Click **Generate**.

The report is generated and saved in the system.

What to do next

You can view the report that has been generated, and if necessary, email the report.

Viewing Reports Generated From a Template

Before you begin

You should have created a template, and generated a report using the template.

Step 1   Choose **CloudSense** > **Report Builder**.

Step 2   Select a template from the table.

Step 3   From the **More Actions** drop-down menu, choose **View Reports**.

The **Custom Reports** screen displays the reports that have been generated using the template.

Step 4   Select a report from the table.

Step 5   Click **View Report**.

Step 6   In the **View Report** screen, choose the format in which you would like to view the report.

You can choose either **HTML** or **PDF**.

Step 7   Click **Submit**.

The report opens in a new browser tab.

What to do next

You can email the reports to other users in the organization.

Emailing Reports Generated From a Template

You can email a report that is generated from a template to yourself or to other users within the organization.

Before you begin

- You should have created a template, and generated a report using the template.

- You should have configured your email address during the initial system set-up. Your name and email address identifies you as the sender with the report.

Step 1   Choose **CloudSense** > **Report Builder**.

Step 2   Select a template from the table.

Step 3   Click **View Reports**.

The **Custom Reports** screen displays the reports that have been generated using the template.

Step 4   Select a report from the table.

Step 5   Click **Email Report**.

Step 6   In the **Email Report** screen, complete the required fields, including the following:

Name	Description
To field	The email address of the recipient. You can enter multiple email addresses separated by commas.
Subject field	The subject of the email message.
Format drop-down list	Choose the format of the report that will be attached to the email message. You can choose one of the following: • **HTML** • **PDF**

Step 7   Click **Submit**.

What to do next

If you no longer need the report, you can select it, and click **Delete** to erase the report from the system.