



## Managing CloudSense Analytics

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This chapter contains the following sections:

- [CloudSense Analytics, page 1](#)
- [Generating a Report, page 2](#)
- [Generating an Assessment, page 3](#)
- [Report Builder for Custom Report Templates, page 3](#)
- [Creating a Report Builder Template, page 4](#)
- [Generating a Report from a Template, page 6](#)
- [Viewing Reports Generated From a Template, page 6](#)
- [Emailing Reports Generated From a Template, page 7](#)

## 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** On the menu bar, choose **CloudSense > Reports**.

**Step 2** From the left panel, choose the report.

**Step 3** Click **Generate Report**.

**Step 4** In the **Generate Report** dialog box, complete the following fields:

Name	Description
<b>Context</b> drop-down list	Select the group that you want to generate the report for.  <b>Note</b> 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.
<b>Report Label</b> 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.

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## Generating an Assessment

### Before You Begin

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

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- Step 1** On the menu bar, choose **CloudSense > Assessments**.
  - Step 2** Click **Virtual Infrastructure Assessment Report**.
  - Step 3** Click **Generate Report**.  
This step generates a new instant report in either HTML or PDF format.
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## 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.

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# Creating a Report Builder Template

**Step 1** On the menu bar, choose **CloudSense > Report Builder**.

**Step 2** Click **Add Template**.

**Step 3** In the **Add Template** dialog box, complete the following fields:

Name	Description
<b>Name</b> field	The name of the report template.
<b>Description</b> field	A description of the template.
<b>Reports</b> field	Click + to add entries to the reports.

**Step 4** In the **Add Entry to Reports** dialog box, complete the following fields:

Name	Description
<b>Report Context</b> drop-down list	Choose one of the following options: <ul style="list-style-type: none"> <li>• <b>VDC</b></li> <li>• <b>Cloud</b></li> <li>• <b>Physical Account</b></li> <li>• <b>Multi Domain Manager</b></li> <li>• <b>Global</b></li> <li>• <b>Global Admin</b></li> </ul>
<b>VDC</b> drop-down list	Choose a VDC. This field is displayed only when the report context is set to <b>VDC</b> .
<b>Clouds</b> 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 <b>Cloud</b> .
<b>Physical Accounts</b> 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 <b>Physical Accounts</b> .

Name	Description
<b>Multi Domain Manager</b>	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 <b>Multi Domain Manager</b> .
<b>Reports</b> drop-down list	Click <b>Select</b> to choose the reports that you want included in the template.  This list is filtered depending on the report context that you have selected.
<b>Duration for Trend Reports</b> drop-down list	If you specified <b>VDC</b> as the report context, then choose one of the following durations for the template: <ul style="list-style-type: none"> <li>• <b>Hourly</b></li> <li>• <b>Daily</b></li> <li>• <b>Weekly</b></li> <li>• <b>Monthly</b></li> </ul> If you specified <b>Cloud</b> as the report context, then choose one of the following durations for the template: <ul style="list-style-type: none"> <li>• <b>Daily</b></li> <li>• <b>Weekly</b></li> <li>• <b>Monthly</b></li> </ul>

**Step 5** Click **Submit**.

**Step 6** Click **OK**.

**Step 7** In the **Add Template** dialog box, click **Submit**.

**Step 8** Click **OK**.

### 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.

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- Step 1** On the menu bar, choose **CloudSense > Report Builder**.
- Step 2** Select a template from the table.
- Step 3** Choose **Generate Report**.
- Step 4** In the **Confirm Report Generation** dialog box, complete the following fields:

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.
- Step 6** Click **OK**.
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## 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.

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- Step 1** On the menu bar, choose **CloudSense > Report Builder**.
- Step 2** Select a template from the table.
- Step 3** Click **View Reports**.  
The **Custom Reports** table 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** dialog box, 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 window.

### 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** On the menu bar, choose **CloudSense > Report Builder**.
- Step 2** Select a template from the table.
- Step 3** Click **View Reports**.  
The **Custom Reports** table 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** dialog box, complete the following fields:

Name	Description
<b>To</b> field	The email address of the recipient. You can enter multiple email addresses separated by commas.
<b>Subject</b> field	The subject of the email message.
<b>Format</b> drop-down list	Choose the format of the report that will be attached to the email message. You can choose one of the following: <ul style="list-style-type: none"><li>• <b>HTML</b></li><li>• <b>PDF</b></li></ul>

- Step 7** Click **Submit**.
- Step 8** Click **OK**.

The email message is sent to the recipient.

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### **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.