

EduCloud Dashboards (Operations Manager)

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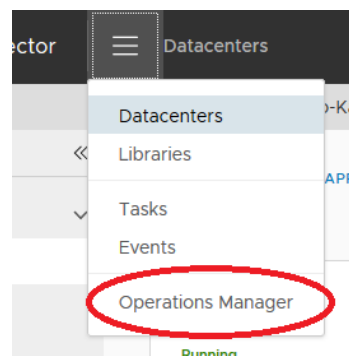
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Overview

EduCloud Server Dashboards uses Operations Manger to allow users to monitor their EduCloud Organization Virtual Datacenters. Several metrics and graphs are available to assist with capacity planning, troubleshooting, and performance monitoring.

Getting Started

Access Operations Manager through the primary drop down menu in the HTML 5 tenant interface – bcnet.educloud.ubc.ca/tenant/org-name



Dashboards

Organization Overview

Gives an overview of the Org, including capacity, status and utilization.

Moving the mouse over some items and/or clicking on items will provide further information

Organization VDC

Lists VDCs in your Org, with summary info

vApps

Lists vApps with summary information. Click on a vApp for more information and a list of the VMs it contains

Virtual Machines

Lists VMs with summary information. Click on a VM for performance information.

Metric Selector

Allows finer selection of metrics.

Set filters as you wish and then select metrics.

For example:

The screenshot displays the 'Metric Selector' interface. At the top, there are filter options: 'Filter By' set to 'VAPP' and 'select vApp to filter' set to 'New vApp'. Below this is a table for selecting resources, with 'Virtual Machine' and 'New VM-rDm3' selected. The main area shows a list of metrics on the left and three charts on the right. The charts are for 'mem|guest_usage', 'mem|host_demand', and 'mem|workload', all showing a step-like increase in usage over time from 4:37 to 14:30. The selected metrics in the list are 'mem|guest_usage', 'mem|host_demand', and 'mem|workload'.

Metric Selector

Filters
Filter By: VAPP, select vApp to filter: New vApp

Select Resource(s)
Virtual Machine: New VM-rDm3

1 - 10 of 53 Resources

Split Charts: Start Time: 2019-03-26, End Time: 2019-03-27

Selected Metrics:
 mem-host|workload
 mem|balloonPct
 mem|compressed_av
 mem|consumedPct
 mem|consumed_aver
 mem|consumed_aver
 mem|effective_limit
 mem|guest_demand
 mem|guest_provision
 mem|guest_usage
 mem|host_contention
 mem|host_demand
 mem|nonzero_active
 mem|overheadMax_a
 mem|overhead_aver
 mem|reservation_use
 mem|swpinRate_ave
 mem|swapoutRate_a
 mem|swapped_aver
 mem|usage_aver
 mem|vmMemoryDem
 mem|workload
 Data Receive Rate

Chart 1: mem|guest_usage
Chart 2: mem|host_demand
Chart 3: mem|workload

Monitoring

Alerts

Lists Alerts. Click on displayed alert for more information.

Metering

Billing

This option is currently under development.