

# vRealize Operations Manager Tenant App for vCloud Director 2.0 Release Notes

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Check for additions and updates to these release notes.

## What's in the Release Notes

The release notes cover the following topics:

- [About Tenant App for vCloud Director](#)
- [What's New](#)

## About Tenant App for vCloud Director

The Tenant App for vCloud Director 2.0 provides metering capabilities that allow the service providers to chargeback their customer base and individual customers to review their billing data.

## What's New

The vRealize Operations Manager Tenant App for vCloud Director 2.0 introduces the following new features:

- **Creation of pricing policy based on chargeback strategy:** Service Provider administrator can now create one or more pricing policies based on how they can chargeback their consumers. Based on the vCloud Director allocation models, each pricing policy is of the type, allocation, reservation, or pay-as-you-go (PAYG). The Tenant App for vCloud Director 2.0 provides flexibility in the following areas to create pricing policies:
  - **Base prices for primary resources:** Pricing policy can be created to charge for primary resources, CPU, memory, storage, and network. For CPU, users can charge base on GHz or vCPU. For storage, you can create various policies based on storage tiers to establish differential pricing. For network, data transmitted/received (MB), and network transmitted/received rate (MBPS) can be charged accordingly.
  - **Ability to apply price at various time intervals:** Users can apply a required price at various frequencies or time such as, hourly, daily, or monthly.
  - **Charge Computation Methodology:** Users can charge based on allocation, use, reservation, or the advanced methodology such as, taking maximum of usage and allocation.
  - **Ability to apply price based on the VM power state:** Users can define how prices can be applied. Prices can be applied only for the time when VM was powered-on, VM is powered-on at least once in a day or apply prices irrespective of the VM uptime.
  - **Fixed Cost:** Users can apply fixed cost based on the selected time period, apart from applying resource level base rates.
  - **Advanced Network Pricing configurations:** Pricing policy provides the flexibility to configure advanced chargeback mechanisms for network services, apart from charging primary network resources. Using advanced network pricing, users can apply variable and fixed charges for the following network services associated with edge.
    - BGP Routing
    - DHCP
    - Firewall
    - High Availability
    - IP
    - IPV6
    - IP Sec
    - Load Balancer
    - L2 VPN

- NAT
- OSPF Routing
- Static Routing
- SSL VPN
- Base rate and fixed costs can be applied for Edge Gateway sizes
- **Guest OS pricing:** Guest OS can be charged uniquely. The charge can be applied based on the VM uptime, regardless of the uptime, or if the VM is powered-on at least once.
- **Tag based and vCD metadata-based chargeback mechanism:** Differential pricing can be established using tags or vCD metadata. Using vCenter tags or vCD metadata, tag key and key value can be referenced to apply base rate or fixed cost for VMs.
- **Ability to map pricing policies with a specific entity:** The Tenant App for vCloud Director 2.0 provides flexibility to the Service Provider administrator to map the created pricing policies with specific organization vDC. By doing this, the service provider can holistically define how each of their customers can be charged. The following vCloud Director allocation models are supported as part of the chargeback mechanism:
  - Reservation pool
  - Pay-as-you-go
  - Allocation pool
- **Report templates, instantaneous or scheduled report generation:** The Tenant App for vCloud Director 2.0 provides flexibility in generating reports for various entities and objects related to vCloud Director. The following capabilities are available as part of reporting framework:
  - **Report Export:** The generated reports can be exported in the form of PDF or CSV for further processing.
    - **Scheduling :**Using default templates, users can run required reports instantaneously or schedule it to run on a specific date-time with recurrence. Users can select the required objects for which the report has to be generated and can set recurrence and publishing criteria for the report.
  - **Exhaustive set of templates:**Service Provider administrator can generate reports at various levels for a different set of objects. The following OOTB default templates are available:
    - Catalog Items Cost and Price
    - Detailed report
    - Distribution report
    - Organization cost and Price
    - Organization to Organization VDC Mapping
    - Organization to VM Mapping
    - Organization VDC Cost and Price
    - Organization VDC to VM Mapping
    - Summary Report
    - vApp and vApp Templates Cost and Price
    - vApp to VM mapping
    - vCloud Director to Organization Mapping
    - VM Cost and Price
    - VM Hierarchy
    - Organization VDC to vApp and vApp Templates Mapping
- **Detailed billing data for each tenant:** Every tenant/customer of service provider can review their bills using the vCD tenant app interface. Service Provider administrator can generate bills for a tenant by selecting a specific resource and a pricing policy that must be applied for a defined period and can also log in to review the bill details.