

Hyper-V Metered Billing Plan and Resources Usage in MachPanel

Summary

This article provides a summary for enabling Hyper-V Metered Resources Usage Billing for Reseller's and its customer in MachPanel.

Applies To

This article applies to MachPanel Build v4.9.21 and above

Prerequisite

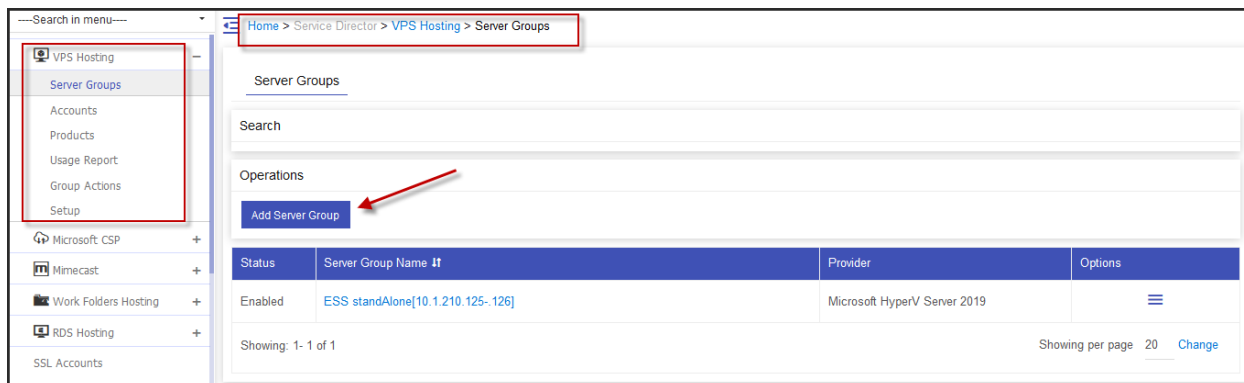
- MachPanel Control Server Installation
<http://kb.machsol.com/Knowledgebase/Article/50261>
- MachPanel Remote Server Installation
<http://kb.machsol.com/Knowledgebase/Article/50262>

Hyper-V Metered Resources Usage Billing in MachPanel

To enable Hyper- V metered Usage billing in MachPanel follow below steps:

STEP-1: Integrate Hyper-v Server in MachPanel:

To integrate Hyper-v in MachPanel, navigate to the following path: **Home >> Service Director >> VPS Hosting** and Add a Server Group. See the snapshot below:



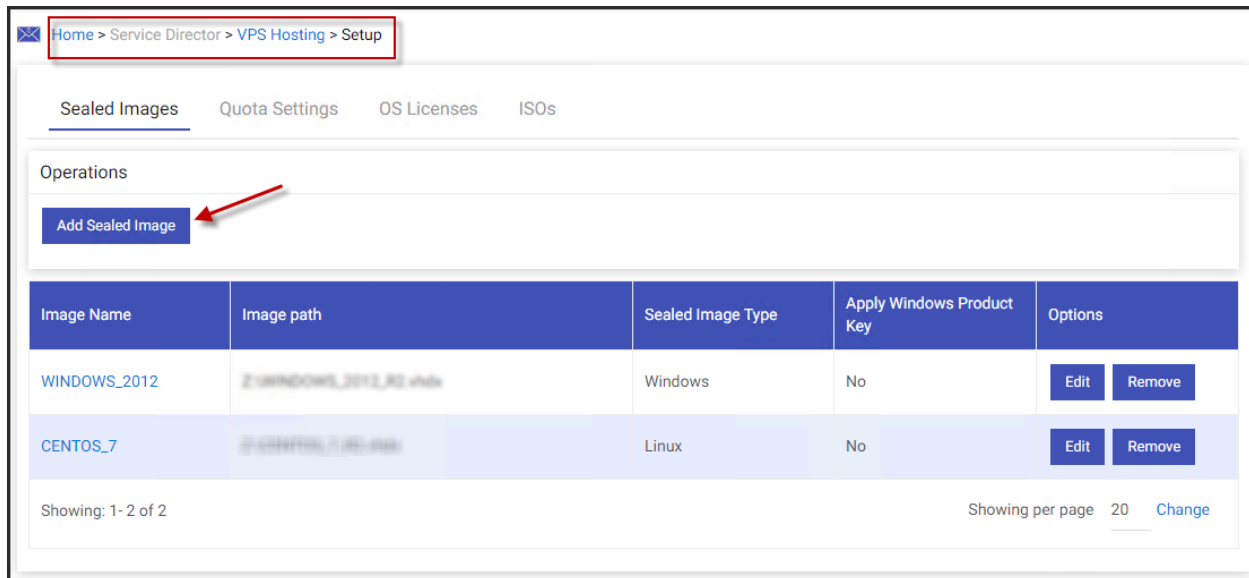
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To integrate Hyper-v in MachPanel please review the following KB article for further details:

<http://kb.machsol.com/Knowledgebase/Article/50316>

STEP-2: Add Sealed Images in MachPanel:

Add sealed images at following path: **Home > Service Director > VPS Hosting > Setup**



Home > Service Director > VPS Hosting > Setup

Sealed Images Quota Settings OS Licenses ISOs

Operations

[Add Sealed Image](#)

Image Name	Image path	Sealed Image Type	Apply Windows Product Key	Options
WINDOWS_2012	Z:\WINDOWS_2012_R2.vhdx	Windows	No	Edit Remove
CENTOS_7	Z:\CENTOS_7.vhdx	Linux	No	Edit Remove

Showing: 1- 2 of 2 Showing per page: 20 [Change](#)

STEP-3: Add IP Pools and Virtual Network in Hyper-v:

After the Test Service of Hyper -V is successful, you can add IP Pools, Virtual Networks and sealed images in Hyper-V, please review the following KB article for further details:

<http://kb.machsol.com/Knowledgebase/Article/52397>

STEP-4: Creating & Selling VPS (Hyper-V) Metered Billing Service Plan:

- To create a new package \ service plan, navigate to the following path: **Home >> Service Plan >> VPS Hosting**.
- Click on **Reseller Product Listing** tab, add new product. See the snapshot below:



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- For **Prepaid/Subscription reseller**, if reseller is subscribed to a package where 'Metered' billing is turned 'On' then
 - o For all customer subscriptions under reseller and for all virtual machines under a subscription.
 - Calculate total 'On' state usage hours of VM
 - Calculate average usage for each resource which is metered in reseller service package.
 - Bill for each resource is generated as 'Average usage' * 'Total On state hours of VM' * 'Price set in reseller package'.

Editing Product 'Multi-VM Metered Reseller Product Hyper-V 2019 Standalone'

Basic Info
Resources
Payment Cycles
Price Group
Upgrade/Downgrade
A

Product type: VPS Hosting ▼

***Product name:** Multi-VM Metered Reseller Product Hyper-V 2019 St

Provider: Microsoft HyperV Server 2019 ▼

***Server group:** SG StandAlone2019 ▼

Single VM:

Metered Billing:

TS Gateway FQDN:

Is active: Yes ▼

Allow prorate: Yes ▼

- In **Price Group** section there are two type of pricing one is the price cycle (Monthly, Yearly etc) which will be charged once every time when the cycle will be complete, and the other is Hourly for different resources and will be applicable on those resources which are marked checked in **Metered Billing** Section.

Metered Billing					
Resource	Resource Name	Resource Type	Price	Price Unit	Price Cycle
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Monthly
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Yearly
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Quarterly
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Bi-Monthly
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Weekly
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Daily
<input checked="" type="checkbox"/>	Microsoft HyperV Server 2019	Microsoft HyperV Server 2019	1.00	Hourly	Hourly

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- Reseller's recurring invoice:

General Info						
Status:	Due					
Invoice ID:	10239PTF					
Payments:	10477 (Document Pending)					
Created by:						
Date:	24.06.2020					
Due date:	25.06.2020					
Balance:	USD 114.70					
Comments:						
Invoiced Items						
Service	Description	Quantity	Setup	Price	Discount	Sub Total
VPS Hosting	Multi-VM Metered Reseller Product Hyper-V 2019 Standalone - Hyper-V metered resources usage bill 01.01.2020 To 01.02.2020	1	Free	USD 89.99	0%	USD 89.99
VPS Hosting	Multi-VM Metered Reseller Product Hyper-V 2019 Standalone - Monthly - 01.02.2020 To 01.03.2020	1	Free	USD 15.00	0%	USD 15.00
Totals						
				Total VAT Transferred:	USD 0.00	
				Total excl VAT:	USD 104.99	
				VAT (9.25%):	USD 9.71	
				VAT Transferred (0%):	USD 0.00	
				Total:	USD 114.70	

- Usage Bill Detail Section:

Subscription detail #1		Usage		Billing	
Customer Name:	3578 - Shing Li [PLA]	Resource:	AverageCPUUsage	Unit Price:	USD 0.000012
VM Name:	Metered-VM-394	Usage:	47	Bill Amount:	USD 0.04
Package:	394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Hours used:	72		
		Charge Start Date:	01.01.2020		
		Charge End Date:	01.02.2020		
Customer Name:	3578 - Shing Li [PLA]	Resource:	AverageRAMUsage	Unit Price:	USD 0.000012
VM Name:	Metered-VM-394	Usage:	5268	Bill Amount:	USD 4.55
Package:	394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Hours used:	72		
		Charge Start Date:	01.01.2020		
		Charge End Date:	01.02.2020		
Customer Name:	3578 - Shing Li [PLA]	Resource:	AverageDiskUsage	Unit Price:	USD 0.000032
VM Name:	Metered-VM-394	Usage:	47	Bill Amount:	USD 0.11
Package:	394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Hours used:	72		
		Charge Start Date:	01.01.2020		
		Charge End Date:	01.02.2020		
Customer Name:	3578 - Shing Li [PLA]	Resource:	InboundInternetTrafficUsage	Unit Price:	USD 0.000042
VM Name:	Metered-VM-394	Usage:	5065	Bill Amount:	USD 15.32
Package:	394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Hours used:	72		
		Charge Start Date:	01.01.2020		
		Charge End Date:	01.02.2020		
Customer Name:	3578 - Shing Li [PLA]	Resource:	OutboundInternetTrafficUsage	Unit Price:	USD 0.000042
VM Name:	Metered-VM-394	Usage:	6000	Bill Amount:	USD 25.32
Package:	394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Hours used:	72		
		Charge Start Date:	01.01.2020		
		Charge End Date:	01.02.2020		

- For Customer Product (Under reseller), If a service provisioned with a package where 'Metered' billing is turned 'On' then

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- o Calculate total 'On' state usage hours of a virtual machine under a subscription.
- o Calculate average usage for each resource which is metered in service package.
- o Bill for each resource is generated as 'Average usage' * 'Total On state hours of VM' * 'Price set in package'.

Home > Service Plans > VPS Products > Edit Product

Editing Product 'Multi-VM Metered Customer Product Hyper-V 2019 Standalone'

Basic Info | Resources | Payment Cycles | Price Group | Upgrade/Downgrade | Associate Add-on

Product type: VPS Hosting

***Product name:** Multi-VM Metered Customer Product Hyper-V 2019 Standalone

Provider: Microsoft HyperV Server 2019

Single VM:

Metered Billing:

TS Gateway FQDN:

Is active: Yes

Allow prorate: Yes

Associate Add-on: Optional

- Under **Price Group** tab you will see the Metered Billing:

Basic Info | Resources | Payment Cycles | Price Group | Upgrade/Downgrade | Associate Add-on

Price Group	Payment Cycles	Setup Price	Price	Discount
US Dollar	Monthly	USD 17.00	USD 20.00	0%

Metered Billing

Enable/Disable	Resource	Billing cycle	Price Group	Price
<input checked="" type="checkbox"/>	Average CPU Usage	MB/Hour	US Dollar	USD 0.000013
<input checked="" type="checkbox"/>	Average RAM Usage	MB/Hour	US Dollar	USD 0.000023
<input checked="" type="checkbox"/>	Average Disk Usage	GB/Hour	US Dollar	USD 0.000033
<input checked="" type="checkbox"/>	Inbound Internet Traffic Usage	MB/Hour	US Dollar	USD 0.000043
<input checked="" type="checkbox"/>	Outbound Internet Traffic Usage	MB/Hour	US Dollar	USD 0.000053
<input checked="" type="checkbox"/>	Inbound Intranet Traffic Usage	MB/Hour	US Dollar	USD 0.000063
<input checked="" type="checkbox"/>	Outbound Intranet Traffic Usage	MB/Hour	US Dollar	USD 0.000073
<input checked="" type="checkbox"/>	Public IPs	Per IP/Month	US Dollar	USD 0.000083
<input checked="" type="checkbox"/>	OS Usage	OS Per/Month	US Dollar	USD 0.000093

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- Customer Recurring Invoice:

General Info						
Status:	Due					
Invoice ID:	2					
Payments:	2 (Document Pending)					
Created by:						
Date:	23.06.2020					
Due date:	24.06.2020					
Balance:	USD 129.65					
Comments:						
Invoiced Items						
Service	Description	Quantity	Setup	Price	Discount	Sub Total
VPS Hosting	Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Hyper-V metered resources usage bill 02.01.2020 To 02.02.2020	1	Free	USD 98.67	0%	USD 98.67
VPS Hosting	Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Monthly - 01.02.2020 To 01.03.2020	1	Free	USD 20.00	0%	USD 20.00
Totals						
				Total excl VAT:	USD 118.67	
				VAT (9.25%):	USD 10.98	
				Total:	USD 129.65	
				Paid:	USD 0.00	
				Balance:	USD 129.65	

- Usage Bill Detail:

Usage				Billing	
Resource:	AverageCPUUsage				
Usage	47		Unit Price:	USD 0.000013	
Hours used	76		Bill Amount:	USD 0.05	
Charge Start Date:	02.01.2020				
Charge End Date:	02.02.2020				
Resource:	AverageRAMUsage				
Usage	6216		Unit Price:	USD 0.000023	
Hours used	76		Bill Amount:	USD 9	
Charge Start Date:	02.01.2020				
Charge End Date:	02.02.2020				
Resource:	AverageDiskUsage				
Usage	47		Unit Price:	USD 0.000033	
Hours used	76		Bill Amount:	USD 0.12	
Charge Start Date:	02.01.2020				
Charge End Date:	02.02.2020				
Resource:	InboundInternetTrafficUsage				
Usage	5043		Unit Price:	USD 0.000043	
Hours used	76		Bill Amount:	USD 16.26	
Charge Start Date:	02.01.2020				
Charge End Date:	02.02.2020				
Resource:	OutboundInternetTrafficUsage				
Usage	---				

Hyper-V Metered Billing Plan and Resources Usage in MachPanel

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/52400/HyperV-Metered-Billing-Plan-and-...>