#### 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
  <u>http://kb.machsol.com/Knowledgebase/Article/50261</u>
- 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:

Search in menu	Ť	Home > Se	ervice Director > VPS Hosting > Server Groups			
VPS Hosting	1-					
Server Groups		Server G	roups			
Accounts		Search				
Usage Report						
Group Actions		Operations				
Setup	Ц	Add Server Group				
GP Microsoft CSP	+					
Mimecast	+	Status	Server Group Name It		Provider	Options
Work Folders Hosting	+	Enabled	ESS standAlone[10.1.210.125126]		Microsoft HyperV Server 2019	=
RDS Hosting	+	Showing: 1-	1 of 1		Showi	ng per page 20 Change
SSL Accounts						

To integrate Hyper-v in MachPanel please review the following KB article for further details: <a href="http://kb.machsol.com/Knowledgebase/Article/50316">http://kb.machsol.com/Knowledgebase/Article/50316</a>

# **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	2100NDOW5,2012,82 when	Windows	No	Edit Remove	
CENTOS_7	2-5347036,7.265-048	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:



- 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 Hostin	g	•				
*Product name:	Multi-VM Me	Multi-VM Metered Reseller Product Hyper-V 2019 St					
Provider:	Microsoft H	yperV Server 2019	*				
"Server group:	SG StandA	lone2019	-				
Single VM:							
Metered Billing:	$\checkmark$						
TS Gateway FODN:							
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.

Prime Siresays		Payment System	Sattags Prices	Determine	Entrement
Life Endlar		Monthly	UED 12.00	UED 18.00	0%
Metered Billing					
Example Alternation	Personale		thing eyele	Price Grange	Print
620	Average OPU Leage		hall the difference	LFS Erollar	UED 0.000012
623	Average PAM Usage		Publich footar	US Dollar	USD 0.000012
1983	Average Disk Usage	Disk Usage		US Dullar	USD 0.000032
620	Introduct Internet Traffic Usage		IntED-th framework	UE Dottar	USD 0.000042
	Outbound Internet Traffic Usage		h-BD/h-boxar	US Dollar	USD 0.000052
1991	Infound Intranet Traffic Usage		Internet Income	US Dollar	USD 0.000062
621	Cuthound Intranet Traffic Usage		http://tour	US Dollar	UED 0.000072
1221	Public IPs		Per IDAdorits	US Eollar	UED 0.000002

• Reseller's recurring invoice:

General Info							
Status:	Due	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	Muti-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	Muti-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 Trar	nsferred:	USD 0.00	
				Total excl VAT	:	USD 104.99	
	VAT (9.25%):			USD 9.71			
			VAT Transferred (0%):		red (0%):	USD 0.00	
				Total:		USD 114.70	

• Usage Bill Detail Section:

Export to Excel					
Subscription detail J1		Usage		Billing	
Customer Name: VM Name: Package:	9578 - Shing Li (PLA) Metere4/VM-394 394 - Multi-VM Metered Customer Product Hyper-V 2010 Standalone - Metered-VM-304	Resource: Usage Hours used Charge Start Date: Charge End Date:	AverageCPUUrage 47 72 01.01.2020 01.02.2020	Unit Price: Bill Amount:	USD 0.000012 USD 0.04
Customer Name: VM Name: Paokage:	3578 - Shing Li (PLA) Metere4-VM-394 394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Resource: Usage Hours used Charge Start Date: Charge End Date:	AverageRAMUsage 5208 72 01.01.2020 01.02.2020	Unit Price: Bill Amount:	USD 0.000012 USD 4.65
Customer Name: VM Name: Paokage:	3578 - Shing Li (PLA) Metered-VM-394 394 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Resource: Usage Hours used Charge Start Date: Charge End Date:	AverageDidUsage 47 72 01.01.2020 01.02.2020	Unit Price: Bill Amount:	USD 0.000032 USD 0.11
Customer Name: VM Name: Package:	9578 - Shing Li (PLA) Metered-VM-394 994 - Multi-VM Metered Customer Product Hyper-V 2019 Standalone - Metered-VM-394	Resource: Usage Hours used Charge Start Date: Charge End Date:	InboundInternetTrafficUsage 5065 72 01.01.2020 01.02.2020	Unit Price: Bill Amount:	USD 0.000042 USD 15.32
Customer Name:	3578 - Shing Li (PLA)	Resource:	OutboundInternetTrafficUsage		

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

- 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/Downgrad	le Associate A			
Product type:	VPS Hosti	ng	•				
*Product name: Multi-VM Metered Customer Product Hyper-V 2019 S							
Provider:	Microsoft H	lyperV 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 Payme	Rasic Info Resources Payment Cycles Plue Oroug UpgradorDowrgrade Accockte 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		
	Average CPU Usage		MH2/Hour	US Dollar	USD 0.000013		
	Average R/M Uzage		MB/Hour	US Dollar	USD 0.000023		
	Average Disk Usage		GB/Hour	US Dollar	USD 0.000033		
	Inbound Internet Traffio Usage		MB/Hour	US Dollar	USD 0.000043		
	Outbound Internet Traffic Usage		MB/Hour	US Dollar	USD 0.000053		
	Inbound Intranet Traffic Usage		M8/Hour	US Dollar	USD 0.000063		
	Outbound Intranet Traffic Usage		M8/Hour	US Dollar	USD 0.000073		
	Public IPs		Per IPMonth	US Dollar	USD 0.000003		
	0\$ Usage		OS Per/Month	US Dollar	USD 0.000093		

• 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:		JSD 118.67	
				VAT (9.25%):	L. L	JSD 10.98	
				Total:	L. L	JSD 129.65	
				Paid:	, i	JSD 0.00	
				Balance:	l.	JSD 129.65	

## • Usage Bill Detail:

Export to Excel					
Usage		Bling			
Resource: Usage Hours used Charge Start Date: Charge End Date:	AverageCPUUsage 47 75 02.01.2020 02.02.2020	Unit Price: Bill Amount:	USD 0.0000 13 USD 0.05		
Resource: Usage Hours used Charge Start Date: Charge End Date:	AverageRAMUsage 6215 76 02.01.2020 02.02.2020	Unit Price: Bill Amount:	USD 0.000023 USD 9		
Resource: Usage Hours used Charge Start Date: Charge End Date:	AverageDiskUzage 47 75 02.01.2020 02.02.2020	Unit Price: Bill Amount:	USD 0.000033 USD 0.12		
Resource: Urage Hours used Charge Start Date: Charge End Date:	InboundInternetTraffioUrage 8043 75 02.01.2020 02.02.2020	Unit Price: Bill Amount:	USD 0.000043 USD 16.26		
Resource:	OutboundInternetTrafficUsage				

MachPanel Knowledgebase

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