

## NetWatcher® Managed Detection & Response Service Installation Guide

#### What is NetWatcher?

NetWatcher is a Security-as-a-Service platform that enables customers to have a cost-effective 24 x 7 security service monitoring their networks for vulnerabilities and exploits. Many government and industry compliance requirements, and security best practices, outline the need for continuous monitoring, intrusion detection, active scanning, log monitoring, net-flow analysis, event management and endpoint integration. NetWatcher enables customers to immediately deploy these services and take advantage of a fully-staffed Security Operations Center (SOC). This means superior security that is easy to use, accurate and affordable.



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## Connecting Hardware Sensor to NetWatcher Cloud

- 1. The NetWatcher team should have sent you an Activate email that will allow you to create your Customer Portal account. If you didn't get this send a note to info@netwatcher.com and someone will assist you.
- 2. Ensure you are not blocking any of the following ports OUTBOUND. These ports are what the sensor uses to communicate back to the NetWatcher cloud.
  - TCP 22 => portal.netwatcher.com
  - TCP 8443 => p.netwatcher.com
  - UDP 443 => vpn.netwatcher.com
  - TCP 443 => vpn-tcp.netwatcher.com
  - TCP 443 => index.docker.io
  - TCP 443 => registry-1.docker.io
  - TCP 443 => public.update.core-os.net
  - TCP 80 to google.com => Used to test internet/DNS connectivity
- Connect one of the LAN ports on the sensors to the internet (doesn't matter which one) and let the sensor download its OS/Containers/Rulesets. This can take 20 min. The sensor light on the 'sensors' tab in the Customer Portal will go amber if the sensor sets itself up correctly.
- 4. If you need to setup a static IP address see this article.
- 5. Run Setup <u>https://portal.netwatcher.com/setup</u>



## Setting up Network Intrusion Detection (NIDS)

6. Create a mirror of the port that the firewall is plugged into on the router/switch

Here is an example of setting up a mirror on a NetGear managed switch:

Prosafe Plus Configuration Utility-GS105Ev2						- 🗆 ×
NETGEAR Connect with Innovation" Network System VLAN Status Maintenance Monitoring	QoS Help MultiCast Manag				Select Lang English	GS105Ev2 juage:
<ul> <li>Port Statistics</li> <li>*Nirroring</li> <li>Cable Tester</li> </ul>	Port Mirroring Port Mirroring Confi Mirroring Source Port					
	Port Destination Port	01 x 03	02	03	04	05
	_				CANCEL	APPLY
Copyright © 1996–2014 Netgear ®						

- 7. Connect the other LAN port on the sensor to the newly created mirror port.
- 8. Verify the sensor light turns green on the sensors tab in the Customer Portal

If you are setting up the SIEM for log aggregation this is accomplished in 2 parts (setting up hardware SYSLOGs like firewalls and setting up servers and desktop logs)

## Setting up SYSLOG Ingestion

- Verify the device you want to monitor is on the supported device list found here.
- In the Customer Portal go to the "Sensors" tab and select the sensor that you want to receive the logs and choose the Actions | Log IPs option.

<b>V</b> NetWatcher	Invite a friend and get one month free	Scott Suhy   🌲   Logout 🚱
🖵 Dashboard 🛛 🗠 Reports 🔹 🌲 Alarms		💊 Support
My Sensors		
Active or Not Sensor Name 🔶 IP addre	s	Groups I Actions
oe_lanner-oe     10.20.7.	8 23 SYSLOG SCANNER	0
Display: 100 +	< 1 >	E Log IPs
Additional Services		Cog Rules     (?) Syslog Questionnaire
☑ Enable Logs for all Sensors	Senable Scanning for all	



#### 11. Choose "Add new IP"

VetWatcher	Invite a friend and get one month free	Scott Suhy   🔺   Logout 🕞
🖵 Dashboard 🛛 🗠 Reports 🔹 🌲 Alarms	표 Sensors 🛛 😑 EndPoints 🛛 🎕 Advanc	ed 💁 Support
Log IPs		+ Add new IP
Total Log Assets: 17 Manual Log Assets: 4 NetAgent	Log Assets: 13	

#### 12. Add the IP of the Device

🟹 Net	tWatcher	Invite a friend and get one month <b>free</b>	Scott Suhy   A   Logout &
🖵 Dashbo	oard 🛛 🗠 Reports 🔹 🌲 Alarms	≅ Sensors 🛛 ☴ EndPoints 🛛 🕸 Advar	nced 🗠 Support
Edit allo	wed IP		
Source IP	10.20.20.1		
Sensor	oe_lanneroe	×	
✓ Save	( Cancel		

13. Go back to the main page under the 'Sensors' tab and select Action | Syslog Questionnaire

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🖵 Dashboard 🛛 🗠 Reports 🔹 🌲 Ala	ms   幸 Sensors   ≡ EndPoints   �\$ Advanced	🇠 Support
My Sensors		
Active or Not Sensor Name 🗢 II	ddress	Groups 🗢 Actions
• oe_Janner-oe 10	0.7.68 23 SCANNER	0
Display: 100 •	< 1 >	E Log IPs
Additional Services		<ul> <li>Syslog Questionnaire</li> </ul>
Enable Logs for all Sensors	☑ Enable Scanning for all Sen	ISOTS



14. Select the device type that is sending the SYSLOG. If it is not on the list, choose 'Ask Question' and specify the device and the DevOps team will enable the ruleset manually.

🖵 Da	shboard 🛛 🗠 Reports 🔹 🌲 Alar	ms 🗦 Sensors	s 🛛 🗏 EndPoints	ଷ୍ଟ Advanced	🧠 S	upport
y S	ensors > Syslog Question	naire for oe_la	anneroe			
	Barracuda				Ask question	on
	Cisco - All					
	Cisco - ASA					
	DHCPCD Server					
	dnsmasq (DHCP)					
	Fortinet					
	HP ProCurve					
	Juniper - All					
	Meraki					
	OpenVPN					
	Palo Alto					
	SonicWALL					
	WatchGuard					

## Setting up Server / Desktop / Laptop LOGS

15. Got to the 'Endpoints' tab and choose the green 'Download NetAgents' button. Remember that the NetAgent is free and can be run on any supported Windows or Ubuntu/Redhat Linux asset.

🕡 NetWatcher	fra Invigen		<b>(</b> ) s	Scott Suhy   🌲   Logout 🕪	
🖵 Dashboard 🔢 🗠 Reports	Download NetWatc	:her® Agent	×	💊 Support	
Net Agents Logs	Windows EXE	Wind	dows MSI	A Download NetAgent	ļ
Net Agents Available Modules Counts	(g cindx (beca)				
T Filters					
With selected: Actions *					
🗋 Asset 🌩 Hostname	IP address MAC	Events & Alarms &		Last Checkin 🌩 Modules	Actions
Scott's HP hp-8570w	10.20.1.39 d8:9d:67:d3:68:7b	23840 5		HIDS Logs Less than a minute ago Systray	~
Adam Work desktop-51s4f97	10.20.1.37 58:82:a8:98:3a:25	9700 O		Less than a minute ago	•
🗌 🜰 Laurens old laptop-45alih6g	10.18.0.191 30:52xb:93:05:44	cm 0		About 3 minute(s) ago Systray	•
<b>10.18.1.46-b</b> bjerry-pc-new	10.19.31.2 00:ff:c3:39:b1:ae	(1659)		HIDS Logs Less than a Sensor In the Cloud	



16. Once the NetAgent has been deployed the asset will show up on the list (may take a few minutes). Select 'LOGS' and the following dialog box will appear—choose Action 'Install' for LOGS. Repeat for HIDS if you want to install the Host Intrusion Detection Logs as well.



17. The Dialog box will reflect a Pending Install and in a minute or so the Logs will begin to send to the sensor. If the sensor is not live, the Logs will go directly to the cloud over a secure VPN until the sensor goes live again.

Scotts Dell	Undefined 10.	20.4.35 5	0:e2:ba:2c:45:d8	69727	0	90	SZI Abou	t 18	HIE Module is now t	waiting for 'insta	all'
a ubuntu-05d	Net Agen	t Module	s				×		Systray	~	
localhost-43	Name	Version		Pending	Status / Desired	Last Error	Action	s) ago	Sensor in the Cloud	~	
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🌢 ubuntu-71c	Sensor in the Cloud	i)					*	) ago	HIDS Logs Sensor in the Cloud	~	
Sosboxes-Defi	Systray						*	) ago	HIDS Logs Sensor in the Cloud	*	
	win-g5em5da17 10.	18.1.180 (	00:0c:29:01:22:0e	8	0	100	100 Abou	t 1 h(s) ago	HIDS Logs Serisor in the Cloud Systray	~	
a racerxs-mac	racerxs-mac 19	2.168.134.139 (	0:0c:29:86:a9:71	0	0		100 Abou	t 1 day(s)		*	



## Setting Up Reoccurring Vulnerability Scans

18. Got to the 'Advanced' tab (you need to have 'Intermediate' checked in your user profile to see the 'Advanced' tab) and choose the 'Scanning' button and then choose the 'Create Scan Job' button.

<b>V</b> NetWatcher	Invite a friend and get one month free	Scott Suhy   🔺   Logout 🖙
🖵 Dashboard 🛛 🗠 Reports 🔹 🌲 Alarms	$\equiv$ Sensors $\equiv$ EndPoints $\diamondsuit$ Advanced	🗞 Support
Events Assets Scanning	Networks	
Vulnerability Scanner		+ Create Scan Job

19. We want to setup 2 scans (Discovery daily and a Full and Fast on a Weekend)

Step 1: Setup the Discovery scan.	🕡 NetWa	tcher	get one m	iend and nonth <b>free</b>	Scott Suhy   🌲   Logout 🕪
Note how the 'full network scanning' checkbox is checked. This ensures we see every IP in the range provided. Don't generate a report from the Discovery scan as it is not	Create Scan	Assets Scanning Job	s 찾 Sensors 문 En	dPoints <b>0</b> <sup>°</sup> <sub>6</sub> Advanced	💊 Support
necessary.	Job Name	Discovery (Reoccurring)		Scan Config Description	
	Description			Only Network Vulnerability Te	its are used that provide the most possible m. No vulnerabilities are being detected.
	Sensor	oe_Tanneroe			
	Credentials	No credentials			
	Scan Config	Discovery		discovery	
	Full Network	Check			
	Scanning Scan now				
	Schedule Method	First Time	2017-06-22 19:00:		
		Schedule Period: 1 Every	day(s) =		
		Maximum Duration	hour(s) +		
	Active / Enabled Auto Generate Report Targets	nothing		IP/CIDR	
	Assets Netwo	ns		IT IPs & CIDRs List	
		efault network (oe_lanneroe)		IP/CIDR + Please,	select Add
		<ul> <li>Subnet 192.168.0.0/16 (28 assets)</li> <li>Subnet 172.16.0.0/12 (2 assets)</li> <li>Subnet 10.0.0.0/8 (1810 assets)</li> <li>Subnet fc00::/7 (0 assets)</li> </ul>		<b>₫</b> 10.20.1.0/24 <b>x</b>	Cear All



#### Step 2: Create the Full and Fast Scan

For this scan, you will not need to check the 'Full Network Scanning' because the Discovery scan already found all the assets. This will greatly shorten the time the "Full and Fast" scan runs. You also might want to generate a report and have it sent to an email address. To add credentials, go to <u>https://portal.netwatcher.com/account</u> and choose the 'credentials button'.

Note: Always schedule the "Discovery" scan at least 2 hours ahead of the "Full and Fast" scan so they don't overlap.

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Dashboard	🗠 Reports 🔹 🌲 Ala	rms 🛛 🛱 Sensors	≡ EndPoints   <b>0</b> % Advanced	i.	💊 Suppo
Everts	Amets Scann	ng Networks			
reate Scan	Job				
ican Job Info	)				
Job Name	Full and Fast (Reoccurring)		🚍 Scan Config Descriptio	n	
Description				ests are used that will not damage th d in the best possible way to keep th low.	
Sensor	oe_lanneroe	ж.)•	<i>.</i>		
Credentials	No credentials				
Scan Config	Full and fast		Full and F	ast	
Full Network Scanning	uncheck				
Scan now					
Schedule Method	First Time	2017-06-24 19:00:			
	Schedule Period: Every	1 week(s) +			
	Maximum Duration	hour(s) +			
ctive / Enabled	e 🖌				
Auto Generate Report	🖻 🧹 Generate				
Upload To Custom Storage					
Send To	Scott.Suhy@netwatcher.com		Optional: Emai		
argets				P/CIDR	
Assets Networ	ks		IPs & CIDRs List		
	orks efault network (oe_lanneroe)		IP/CIDR + Please	, select	Add
	<ul> <li>Subnet 192.168.0.0/16 (28 ass</li> </ul>	ets)	A 10.20.1.0/24 ×		Caar AT



## Setup Reoccurring Reports

20. Go to the 'Reports' tab in the Customer Portal and choose the 'Situational Awareness' report. This gives you an overview of the entire landscape. Create the report from the beginning of a month to the end of a month.

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🖵 Dashboard 🛛 🗠 Re	ports 💧 🌲	Alarms 🗦 🗄	Sensors 🛛 🚍	EndPoints 🛛 🕫 Adva	anced	🎕 Support
Create Report	our reports	]				
1 Туре			<ol> <li>Includ</li> </ol>	e columns		3 Period
Events	>					From:
Assets	>					2017-07-01
Alarms	>					То:
Tickets	>					2017-07-31
Situational Awareness	>					
Alarms With Comments	>					
▶ Run	() Reoc	urring	🐨 Save			

21. Choose where to send the report to (email address, but it will also store it on the portal for you to download in the future) and choose how often you want to receive the report.

🖌 NetW	vatcher	frie get one me	onth <b>free</b>	Scott Suhy	🔺   Logout 🕀	
Dashboar	Add to Reoccurring			×	💊 Suppor	
	General Information		Include fields	nclude fields		
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Events	Run as Se	end To				
Assets	.pdf •	scott@netwatcher.com				
Alarms	Name		Period	Starting At:		
Tickets	Situational Awareness		Every Week	▼ 08/09/2017 2:17 Pł		
Situational Alarms With						
		Done				
D Ru	un 🕓 Reoccurring	; 🛛 🐨 Save				



## Setup Notifications

22. Setup your notifications by choosing your name in the upper right corner of the screen.

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Dashboard	🗠 Reports	🌲 Alarms	章 Sensors	≡ E	ndPoints 🛛 🕫 Adva	anced	🎕 Supp	
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ontact Inforr	nation	¢	Change photo	🗲 Edit	User Experience I	Profile		
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erts		⊠ Em	ail		D SMS		O How often	
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Scan		Don't sen	d v		Don't send	¥	Send as soon as occurs v	
Policy		Don't sen	d v		Don't send	¥	Send as soon as occurs *	
Saved Filters			Depends on f	nds on filter settings			Send as soon as occurs *	
Score			Send score v	ia Email			Every Day *	
Notifications			Send notifica	tions via	Email		Send as soon as occurs *	
							Delete Account	
Save								



## Connecting Virtual Sensor to NetWatcher Cloud – VSphere

- 1. The NetWatcher team should have sent you an Activate email that will allow you to create your Customer Portal account. If you didn't get this send a note to info@netwatcher.com and someone will assist you.
- 2. Ensure you are not blocking any of the following ports OUTBOUND. These ports are what the sensor uses to communicate back to the NetWatcher cloud.
  - TCP 22 => portal.netwatcher.com
  - TCP 8443 => p.netwatcher.com
  - UDP 443 => vpn.netwatcher.com
  - TCP 443 => vpn-tcp.netwatcher.com
  - TCP 443 => index.docker.io
  - TCP 443 => registry-1.docker.io
  - TCP 443 => public.update.core-os.net
  - TCP 80 to google.com => Used to test internet/DNS connectivity
- 3. Log in to <u>https://portal.netwatcher.com/login</u> navigate to <u>https://portal.netwatcher.com/sensor/sensors</u>, click on your sensor, and press the download button next to the Virtual Machine. It will take a while to download as it's a large file. We use <u>http://www.7-zip.org</u> for compression and there is no password. There are two parts, extract the first one and it will continue into the second one. Unzip, then untar downloaded .xz file. Compare the SHA1 hash.



<b>V</b> NetWatcher	nvite a friend and get one month <b>free</b>	🌲   Logout 🕞
🖵 Dashboard 🛛 🗠 Repo	orts 🔹 Alarms 🛛 🛱 Sensors 📄 🗮 EndPoints 🛛 🏟 Advanced	🚳 Support
Sensors Logs	rtual00	
Sensor Details		[Hide]
Sensor Id:	12a276d1-2c9f-43b6-93ea-26faeeb18e1d	
Name:	oe-virtual00	
Date:	Dec-28-15	
Local IP:	10.20.1.11	
Local DNS:	s43b693ea26faeeb18e1d.s.n-w.io	
Disk Usage:	Used: 1.1GiB, Free: 90.1GiB, Total: 94.6GiB, Percent Used: 1.1%	
Groups:	[Edit]	
One Time Password:	Get one-time password	
Virtual Machine:	Download     [Built: Jun-26-17]	
Filename:	NetWatcher-12a276d1-2c9f-43b6-93ea-26faeeb18e1d.tar.xz	
Timestamp:	2017-06-26 16:28:57	
SHA1 Hash	8a7b6111c445393af39ebc6eda23239c7eb167a4	
Size	602.17 MiB	

 Understand your current VM architecture and map out how you will setup your sensor VM. Here is a typical setup:



5. Create a mirror of the firewall traffic for the Network Intrusion Detection (NIDS)

Example on a Cisco device: See https://learningnetwork.cisco.com/docs/DOC-26018



#### Identify Source port for SPAN

#### #show run int Gi1/0/24

Building configuration... Current configuration : 92 bytes interface GigabitEthernet1/0/24 description Trunk to Internet Firewall switchport mode trunk end

#### Identify Destination port for SPAN

#### #show run int Gi1/0/18

Building configuration... Current configuration : 86 bytes interface GigabitEthernet1/0/18 description Link to vm2 vmnic1 switchport mode trunk switchport nonegotiate end

#### **Configure SPAN:**

#monitor session 2 source interface Gi1/0/24

#monitor session 2 destination interface Gi1/0/18

6. Create a Virtual Switch w/Virtual SPAN Port & Map it to a Physical Port







 Create a Virtual Switch w/Virtual SPAN Port & Map it to a Physical Port--Create the SPAN Port to mirror all traffic. Set VLAN ID to 4095 (Step 3) to ensure proper handling of VLAN tags.

Add Network Wizard				🚱 Add Network Wizard		× -
Connection Type Networking hardware can be p	partitioned to accommodate each service that requires connectivity.			Virtual Machines - I Virtual machine	Network Access is reach networks through uplink adapters attached to vSphere standard switches.	
Centerful Per Isaina Alora Corrector Setting Summy	Connection Trypes * Vitual RecIde Add a lakeder deriverk to handle vitual muchter extensit traffic. * Vitacent The Vitament (2019) stuck handles traffic for the following LSK services management.	: vighter effector, BCS, MFS, and host			deci addicated / unused physical ports         construction	4(IVM81 66.0222(IVM 300 above) and select
		≤ Back Next ≥	Cancel	Help	1	≤ Back Next ≥ Cancel
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Add Network Wizard				Add Network Wizard		
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8. Create a Virtual Switch w/Virtual SPAN Port & Map it to a Physical Port--Enable Promiscuous Mode



for fift Veg hereity Adventuation for	en 39		🖉 vSwitch0 Properties		
0 0 0 mm * d heren * 9	Rots and Castron	and have been a	Ports Network Adapters		
# # #			Configuration Summary	vSphere Standard Switch Properties	
- B Of Loop mit, second mit, second	<ul> <li>and and address (SAL S.S.A. 1992)744</li> <li>Terring States, Terring States, Terring States, Terring States, Terring, Terring States, Terring, Terr</li></ul>	-	왕 vSwitch 120 Ports	<ul> <li>Number of Ports: 120</li> </ul>	
a muscul	Menteren Werer, jegterer Stendart Sieht, jegterer Stendart Siehten		9. SPAN Target Virtual Machine Port Gro	Advanced Properties	
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	from Terraphon Belliner			Promiscuous Mode: Reject	
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	and the second se	and the second	and the second second	Falback: Yes	
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9. Import NetWatcher Sensor VM

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Verg by * Tools Sheet * Al tools g * Recent tools Task b Ab D Source Desharbon Status Stat time End time		
Task ID 36 ID Source Destination Status Start time End time		source system you want to convert
Click Convert machine:	Source Syste	em Source: none Destination: none
	Destination System	
	Options	Select source type: VMware Workstation or other VMware virtual machine 🔹
<ul> <li>Select source type: VMWare Workstation or other VMware</li> </ul>	Summary	Convert a virtual machine from VMware Workstation, VMware Player, VMware Fusion or other VMware product.
virtual machine		Pusion or other vinware product.
		Browse for source virtual machine or image
<ul> <li>Browse to and select .vmx file among your downloaded fil</li> </ul>	iles	Vrtual machine file: 8e1d\NetWatcher - Virtual\NetWatcher - OVF.vmx - Browse
		View source details
Welcome to VMware vCenter Converter Standalone		
Where sCenter Converter Standalone allows you to take one of a vacety of machines and convert		
E into a new Whore vitual machine. The machines you may convert indude:		
Conient - Physial machines Machine - Whiare withial machines (.vms)		
- VMvare Consultation Backup (_vmx)     - Microsoft Virtual PC or Virtual Server virtual machines (_vmc)		
Symantec LiveState Recovery Image (.sval)     Acrons True Image Biology (.sval)		
- StorageCraft ShadowStor (.spf) - Parallels Vitualization Products (.pvs)		
- Hyper-V vitual machines		
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B Machine Details for NetWatcher - OVF	Conversion	
3		(4)
Name: NetWatcher - OVF	Destination Syst     Select a bost for	tem ir the new virtual machine
Machine type: VMware desktop virtual machine		
	Completion of the second	Source: B 1:\NetWatcher-12a\NetWatcher - OVF.vmx (Other (32-bt)) Destination:
Firmware: BIOS	Source System Destination System	
Operating system: Other (32 bt)	Destination Virtual M	Mad: Seec destration type. White initial dutie with a nature
Total size: 500 GB	Destination Location	n Creates a new virtual machine for use on a VMware Infrastructure product.
it should look like this:	Options Summary	
IT Should look like this: RAM: 4096 MB	Summary	VMware Infrastructure server details
Network: ethernet0		Server:
ethemet1		User name: m
Source disks/volumes layout:		Password:
Disk 1 <gpt> - 500 GB</gpt>		
EFI-SYSTEM (Volume 1) - 62.97 MB used / 128 MB total <fa< td=""><td>AT&gt;</td><td></td></fa<>	AT>	
(Volume 2) - 2 MB used / 2 MB total <unknown></unknown>	Click N	Vext.
(Volume 2) - 2 Hb dated / 2 Hb date <ul> <li>(Volume 3) - 1 GB used / 1 GB total <unknown></unknown></li> </ul>	Soloct	Destination type: VMware Infrastructure virtual machin
(Volume 3) = 1 GB used / 1 GB total <unknown></unknown>		
	Server	: This is your ESXi/vSphere cluster and login credentials
(Volume 5) - 128 MB used / 128 MB total <unknown></unknown>	<b>Derver</b>	, set and set and the based of the best of the set of t
(Volume 6) - 64 MB used / 64 MB total <unknown></unknown>		
(Volume 7) - 497.68 GB used / 497.68 GB total <unknown></unknown>		3
	Close Heb Export of	dagnostic logs < Back Next > Cancel

10. Import NetWatcher Sensor VM





11. Import NetWatcher Sensor VM

R Conversion			🔁 VMware vCenter C	onverter Standalone		
			Ele Vew Task A	iministration Help		
Summary			Convert machine	la Configure machine	0	
Review the conversion	n parameters		Ve <u>w</u> by: 💌 Tasks	Show: 💌 Al tasks i	* Recent tasks	
			Task ID Job II		Vestination Status Start time End time	
Submitting job			P 1 1	WetWatche	center.svr 1% 12/30/2015 Estimated time remaining: 1 hours	
Destination System						
Destination Virtual Mach	Source system information Source type:	VMware Workstation or other VMwa				
Destination Location	Path:	WetWatcher-12a276d1-2c9f-43b6-				
Options .	CPU throttling:	None				
Summary	Network throttling:	None				
					B VMware vCenter Converter Standalone	
	Destination system information Virtual machine name:	NetWatcher - OVF			Ele Vew Iask Administration Help	
	Hardware version:	Version 10			Vew by: * Tasks Show: * Al tasks in * Recent tasks	
	Host/Server:	vcenter.svr.oe.l			Task ID Job ID Source Destination Status Start time End time	
	Connected as: VM folder:	mckaya Defensative			Source Destination Status Status Status Hind Hind     Source Destination Status     Source Hind Hind     Source Hin	
	Cluster:	OE Local				
	Host system:	vm2.svr.oe.l				
	Resource pool:	Default				
	Power on after conversion:	No				
	Number of vCPUs:	4 (4 sockets * 1 cores)				
	Physical memory:	4GB				
	Network:	Preserve NIC count				
	NIC1	Connected				
		SPAN Target 🗸				
	4					
< >						
Heb Export diagnos	stic lons	< Back Enish Cancel				
Lich Chipote august	500 log5111	- good _ gron			Welcome to VMware vCenter Converter Standalor	
					VMware vCenter Converter Standalone allows you to take one of a variety of machine t into a new VMware vitual machine. The machines you may convert include:	s and convert
					Convert - Physical machines Machine - VMware virtual machines (.vmx)	
					- VMware Consolidated Backup (.vmx)	
					<ul> <li>Microsoft Virtual PC or Virtual Server virtual machines (.vmc)</li> </ul>	
	امانييها خنخما				- Symantec LiveState Recovery Image (.sv2) - Acronis True Image Backup (.tb)	
	Let it build.				- StorageCraft ShadowStor (.spf)	
					- Paralels Virtualization Products (.pvs)	
					- Hyper-V vitual machines	
					No. of the second se	

12. Map NetWatcher Sensors Network Adapter 1 and Network Adapter 2





13. Open NetWatcher Sensor Console

C O C Mps.//conter anced 544	Cliviphore clim D + O Cestificate error O	pilance Login 💋 sSphere Web Client X						
🙀 🖉 log h 🖉 HP BadeSystem Onbo VITTWOTO: VSphere Web Cl			🖏 i mokaya@vel+ i Hela					
vCenter     P     Conter     Conter	Co NetWather-OW Actions = Getting Started Summary Monter Manage What is a Visual Machine? Antisal machine is a software computer Park, lise a schwardzenegider some an exercise	Reard Olycos	C)   mctays@at +   146	Recent Tasks	NetWatcher - OV	F on vm2.svr.oe.l	Click Actions->Open Console Verify IP Address	
δ, testischer − Out → (), Windows T Est – Aders	<ul> <li>In the approximations. An expension problem include the original areas in a shared areas and compared generations of the an expension compared generation of the approximation and alternative and areas and an expension of the approximation of the compared generation of the approximation and an expension of the approximation of the compared generation of the approximation of the compared generation of the approximation of the property of the approximation of the approximation of the approximation of the approximation of the approximation</li></ul>	Are the		Table proving On     Concerning on the OC Local     Of Local     Secondary ended much bee     Secondary ended much bee	File View VM		) (r)	
	Present of the structure certain sectors     Click the certain sectors	Annotation Learn how to make a parts reperting update in the second second second second second Learn short responses	al machine	() New ()		[ 156.187865] d [ 158.98469] d [ 158.98469] d [ 158.98216] l [ 158.991969] d [ 159.993589] d [ 159.891969] d [ 159.819966] d [ 159.835139] d [ 159.835139] d [ 153.822785] l [ 163.522196] t	Nevice vetheoGo871 loft promiscous mode focker8: port 1 (vetheoGe71) entered disabled state focker8: port 1 (vetheoGe71) entered disabled state 1Po6: ADBROMF(METBU2)UP): vethdia77784: link is not ready 1Po6: ADBROMF(METBU2)UP(MED): vethdia77784: link because ready 1ocker8: port 1 (vethdia7784) entered forwarding state 1ocker8: port 1 (vethdia7784) entered forwarding state 1ocker8: port 1 (vethdia7784) entered disabled state 1ocker8: port 1 (vethdia7784) entered forwarding state 10 (vethdia7784) entered forwarding state 10 (vethdia7784) entered forwarding state	
						SSH host key: SH SSH host key: SH SSH host key: SH eno16777728: 10.	<pre>tf (L1mmx xH6_64 4.2-2-coreae-r1) 17:37:35 MG256:H651Hr45H650EH425H62H2167b69b43065B88BA (HSA) H6256:H6427H4154050EH425H62H21a1UE30c2H3U(UE25519) H6256:H6427H454ka1hh45Hr-061B1EJBF2AGH62F12XHU20 (H253) 28.7.65 H640:1250:S0ff1f84ka1hh45hr-061B1EJBF2AGH62F12XHU20 (H5A) 28.7.65 H640:1250:S0ff1f84ka1hh45hr-062 20.7.55 H640:1250:S0ff1f84ka1h45hr-062 20.7.55 H640:1250:S0ff1f84ka1h45hr-062 20.7.55 H640;1250:S0ff1f84ka1h45hr-062 20.7.55 H640;125</pre>	

- 14. If you need to setup a static IP address see this article.
- 15. Login to the Customer Portal to Verify Sensor is Live (Sensor will turn amber if it can connect to the NetWatcher cloud; Sensor will turn green if it can also see the mirror/SPAN traffic)



## Installing the Virtual Sensor on Other Virtual Machine Platforms

- For VMWare workstation (for testing only, not production) find details here
- For Hyper-V find details here

We hope you enjoy the NetWatcher service. We've designed the service to be useful for managers, help desk techs and for advanced security analysts. We've tried to make the User Interface (UI) intuitive and easy to use as well as powerful. If you have any questions don't hesitate to contact us at info@netwatcher.com

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