Purpose

This document describes how to to install Nagios Log Server 2024R2 within Microsoft Hyper-V.

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Schedule a Quickstart

Important Note: The VHD is an excellent option for standalone/single instance setups. However, if your goal is to <u>add an instance</u> to an existing Log Server cluster, a <u>manual install</u> is required.

Prerequisites

These instructions assume that you have the following already:

- Hyper-V must be enabled (Turn Windows features on or off)
- The Hyper-V VHD image of Nagios Log Server, this can be downloaded from:
 - <u>https://www.nagios.com/downloads/nagios-log-server/</u>
 - You will need to extract the Hyper-V file you download before creating the virtual machine, you should extract it to the location that you store your VHD files in.

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Create New Virtual Machine



1. Open the Hyper-V Manager and select New > Virtual Machine

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🖳 New Virtual Machine Wizar	d	\times
🕮 🛛 Before You B	egin	
Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Installation Options Summary	This wizard helps you create a virtual machine. You can use virtual machines in place of physical computers for a variety of uses. You can use this wizard to configure the virtual machine now, and you can change the configuration later using Hyper-V Manager. To create a virtual machine, do one of the following: Click Finish to create a virtual machine that is configured with default values. Click Next to create a virtual machine with a custom configuration. 	
	< Previous Next > Finish Cancel	

The Before You Begin step appears.

2. Click Next

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🖳 New Virtual Machine Wizar	d	×
Specify Name	e and Location	
Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Installation Options	Choose a name and location for this virtual machine. The name is displayed in Hyper-V Manager. We recommend that you use a name that helps you easil identify this virtual machine, such as the name of the guest operating system or workload. Name: Nagios Log Server You can create a folder or use an existing folder to store the virtual machine. If you don't select a folder, the virtual machine is stored in the default folder configured for this server. Store the virtual machine in a different location	у
Summary	Location: C:\ProgramData\Microsoft\Windows\Hyper-V\ Browse If you plan to take checkpoints of this virtual machine, select a location that has enough free space. Checkpoints include virtual machine data and may require a large amount of space.	
	< Previous Next > Finish Cancel	

- 3. Provide a name for the Virtual machine and alternatively a location for it.
- 4. Click Next

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5. Specify Generation 1.

6. Click Next

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New Virtual Machine Wiza	rd X
💴 Assign Memo	ory
Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Installation Options Summary	Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 251658240 MB. To improve performance, specify more than the minimum amount recommended for the operating system. Startup memory 8192 MB Use Dynamic Memory for this virtual machine. When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.
	< Previous Next > Finish Cancel

7. On the Memory section you'll need to increase it to a minimum of 8192 MB, this equals 8 GB.

8. Click Next

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🖳 New Virtual Machine Wizar	rd	×
Configure Ne	etworking	
Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking	Each new virtual machine includes a network adapter. You can configure the network adapter to uvirtual switch, or it can remain disconnected. Connection: Default Switch	ise a
Connect Virtual Hard Disk Installation Options Summary		
	< Previous Next > Finish Cano	el

9. On the Networking section you'll need to select a virtual switch the VM will be connected to.10. Click Next

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🖳 New Virtual Machine Wiza	rd	×
🐸 Connect Vir	tual Hard Disk	
Before You Begin Specify Name and Location Specify Generation Assign Memory	A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties. Create a virtual hard disk Use this option to create a VHDX dynamically expanding virtual hard disk.	
Configure Networking Connect Virtual Hard Disk Summary	Name: Nagios Log Server.vhdx Location: C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\ Size: 127 GB (Maximum: 64 TB) Use an existing virtual hard disk Use this option to attach an existing virtual hard disk, either VHD or VHDX format.	
	Location: :: \ProgramData\Microsoft\Windows\Virtual Hard Disks\nagiosls-64. Browse O Attach a virtual hard disk later Use this option to skip this step now and attach an existing virtual hard disk later.	
	< Previous Next > Finish Cancel	

11. On the Connect Virtual Hard Disk section you'll need to select the Use an existing virtual hard disk option.

12. Use the **Browse** button to locate the VHD file you downloaded and extracted.

13. Click Next

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🖳 New Virtual Machine Wizar	d	×
Completing t	he New Virtual Machine Wizard	
Before You Begin Specify Name and Location Specify Generation Assign Memory	You have successfully completed the New Virtual Machine Wizard. You are about to create the following virtual machine. Description: Name: Nagios Log Server]
Configure Networking Connect Virtual Hard Disk Summary	Generation: Generation 1 Memory: 8192 MB Network: Default Switch Hard Disk: C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\nagiosls-64.vhd (VHD, dynamica	al
	To create the virtual machine and close the wizard, click Finish.	
	< Previous Next > Finish Cancel)

14. On the summary screen review your choices to ensure everything is as expected.

15. Click Finish

16. A progress bar will appear briefly as your VM is created.

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Power On Virtual Machine

Vietual Machines				Actions
				VWORKER56
Name	State	CPU Usage	Assic	
Nagios Log Server	Off			Nagios Log Server
				📲 Connect
				Settings
				(b) Start
				B Checkpoint
				A Mayo

You are now ready to power on the VM and start using it.

1. Select the VM and in the actions column click Start to turn the VM on.

Virtual Machines			Actions	
			VWORKER56	
Name	State	CPU Usage	Assic	
Nagios Log Server	Running	3%	8192	Nagios Log Server
				🚝 Connect
				Settings
				Turn Off
				Shut Down
				😊 Save

2. Once the VM is powered on you'll want to connect to it to bring up the console of the VM. This will display the IP address that the VM obtains during boot up.

3. Click Connect to bring up the VM Console.







4. A new window should open with the console of the VM and once it has booted you should see a screen like the one to the right.

5. You can see that the console has provided you with a URL. This URL can be opened in your web browser to begin configuring Nagios Log Server.

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Final Installation Steps

You're almost done. Setup your instance.



Install a new Nagios Log Server cluster

Configure Nagios Log Server

You will be presented with the Final Installation Steps screen.

- 1. Select Install.
- 2. You will be presented with a page of fields that need to be populated before proceeding.

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Final Installation Steps

You're almost done. Setup your instance.

License Setup

Choose a trial license, enter your key, or get a license now.

 Free 30 day trial I already have a key 	
License Key	

3. If you have already purchased Nagios Log Server you can add your license key here.

Admin Account Setup

Username	nagiosadmin
Full Name	Nagios Administrator
Password	
Confirm Password	
Email	
Language	Default
Timezone	(UTC-06:00) Chicago ~
	< Back Finish Installation >

Enter the admin account settings. The default username is nagiosadmin.

- 4. Under Admin Account Setup please populate the fields as they are all required to continue.
- 5. Once you are ready click **Finish Installation** to save these settings.

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N		
	Installation Complete!	
	Welco Sign in to Nagios	DME Log Server
	Username	
	Username	
	Password	
	Keep me logged in	Forgot password
	Login	
	🗞 Phone 🗹 sales@nag	ios.com 🖳 Support

6. Please wait while the settings are applied to the server, once complete you will be presented with the Login screen with the status of Installation Complete.

7. Type the username and password required to login to Nagios Log Server and then click the Log In button to begin

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Home	Search logs	+ Add Log Source System
Unique Host © View Active 1 0	Alerts To Manage Instances To 1	Add a log source
Number of Logs Per 15 Minutes		Total Log Entries Within The Last Two Weeks Logs Per Index - Sorted by Week Day 2000 1500
500 0	◆ Logs	1000 500 0 1. jan 00:00:00:00 00:00:00:00:00:00:00:00:00:
Disk Usage – Current Index Includes primary and replica shards across entire cluster –	see Index Status for primary shard only	Total Opensearch Disk Usage

You will be logged into Nagios Log Server and be placed at the home screen.

Finishing Up

Nagios Log Server will now be installed on your system, ready to start collecting logs.

If you have never used Nagios Log Server before then the following documentation is a great starting point to familiarize yourself with the <u>Technical Overview and Terminology Definitions</u>.

Please refer to the <u>Nagios Log Server Administrator Guide</u> which will help get you started using Nagios Log Server.

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