

5nine Cloud Monitor for Hyper-V Quick Start Guide

Installation

Supported Operating Systems:

- Microsoft Windows Server 2008
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 R2 Core SP1
- Microsoft Hyper-V Server 2008 R2 SP1
- Microsoft Windows 8 Server
- Microsoft Windows 8 Server Core
- Microsoft Hyper-V 8 Server

Prerequisites: .NET Framework 4.0, Microsoft SQL Server.

Before installing 5nine Hyper-V Cloud vMonitor on Server Core/Hyper-V (GUI-less) operating system you must perform following steps:

- 1) Make sure you have Server 2008 R2 SP1 or later
- 2) Run the **core_preinstall** batch file that is included into 5nine Cloud Monitor for Hyper-V setup archive, OR:

Enable following features on your OS:

DISM.exe /online /enable-feature /featurename:ServerCore-WOW64

DISM.exe /online /enable-feature /featurename:NetFx2-ServerCore

DISM.exe /online /enable-feature /featurename:NetFx3-ServerCore

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DISM.exe /online /enable-feature /featurename:NetFx2-ServerCore-WOW64

DISM.exe /online /enable-feature /featurename:NetFx3-ServerCore-WOW64

DISM.exe /online /enable-feature /featurename:MicrosoftWindowsPowerShell

DISM.exe /online /enable-feature /featurename:MicrosoftWindowsPowerShell-WOW64

3) Install .NET 4.0 for Server Core

You can download it at ttp://www.microsoft.com/download/en/details.aspx?displaylang=en&id=22833

- 4) Use command net share (or Remote Management) to share folder on Server Core machine, and copy there setup.exe, MainSetup.msi and license.txt files
- 5) Execute setup.exe on Server Core machine and follow instructions described below.

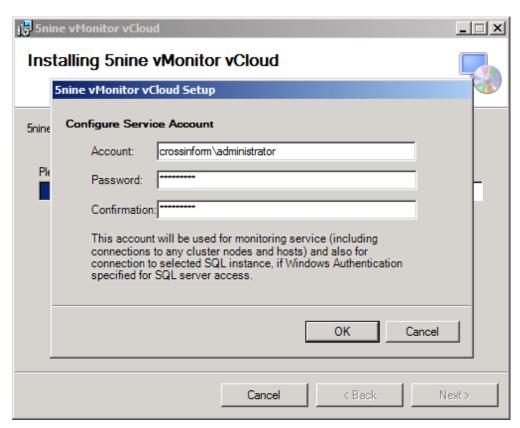
Web application will be installed by default to http://localhost:8734/FiveNine.vMonitor/Web. You can navigate to console from any machine with browser, all necessary firewall rules will be automatically added during installation.

During installation you will be asked to supply some information:

- On the screen below you should provide credentials of domain user who has access to Hyper-V machines and to the SQL Server. Under these credentials 5nine.vMonitor service will be executed.

NOTE: Best practice is to not use existing real user account, but to create dedicated user with corresponding rights and assign it to the service.





- The next screen will ask you for settings to set up database connection. Set sql instance name and authentication mode.

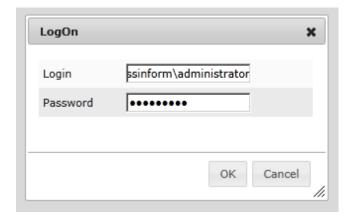




After setup finishes the 59vMonitor service will be automatically started.

Web Application

On opening http://localhost:8734/FiveNine.vMonitor/Web in browser you will be prompted to enter authentication credentials.



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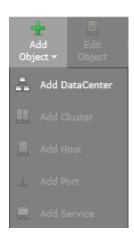
To first logon you should use credentials under which service was installed.

It's highly recommended execute action 'Master Credentials' and set predefined internal 'Admin' user password. Then for security reasons use only these Master credentials to log on console.

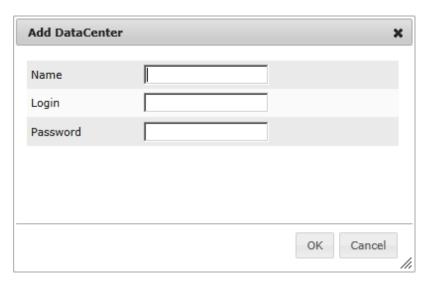


You can use these Master credentials for direct authentication to REST, OData and PowerShell API in case of building integration with own systems and when it is not desirable to use/store windows user credentials anywhere. For details about API integration see "5nine Hyper-V Cloud vMonitor API.docx" file also installed in application folder.

To begin monitoring objects firstly you must add DataCenter object. There is menu on left upper corner.

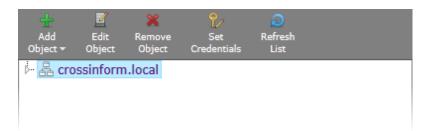






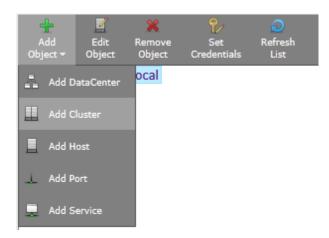
You must specify the name of DataCenter, and optionally Login and Password of windows (domain) user under which performance information will be collected from objects. In most cases you can leave these empty – then will be used credentials under which service is running. In case if you have several datacenters belonging to different domains then of course you must specify credentials for each of the datacenters. During monitoring these credentials will flow from root objects to its descendants, however you can always specify for some of the descendants its own credentials.

After DataCenter added, you can select it in the tree view and then other menus will be un-grayed.

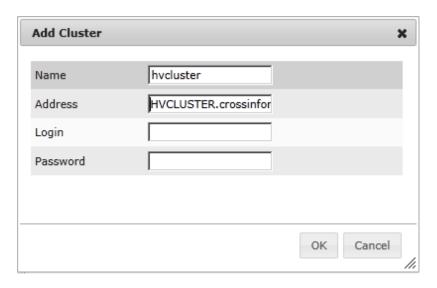


You can edit properties of the selected object, remove it or set new credentials. Also on selecting DataCenter item, there will be un-grayed dropdown menus for adding other types of objects.



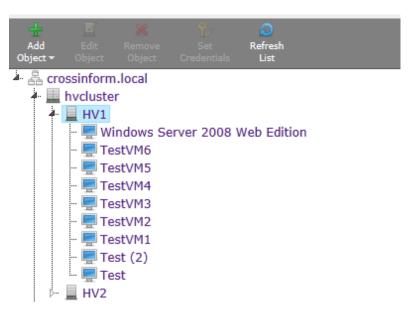


Click on Add Cluster and fill name and address fields in the appeared dialog.

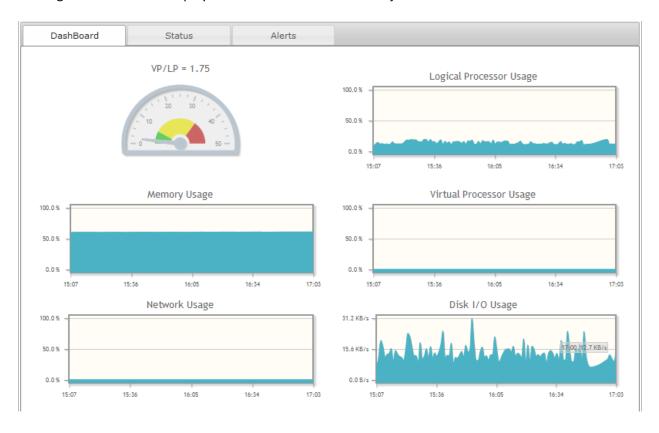


After some time (less than 1 minute) you can expand tree and see its nodes and VMs.



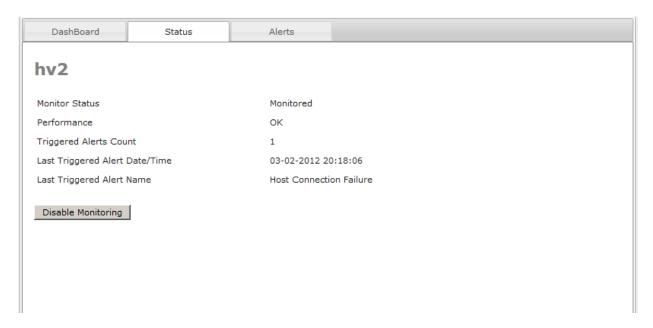


Clicking on the node will display dashboard for the selected object.

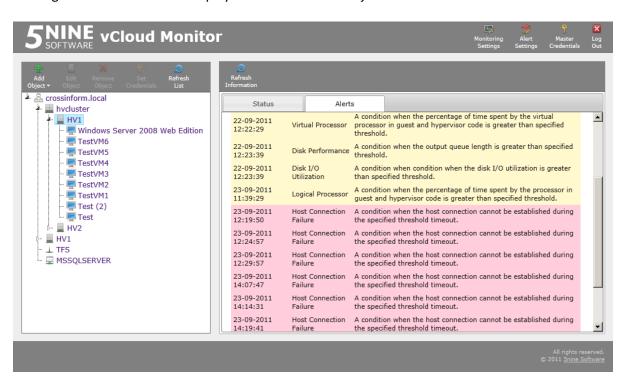




Clicking on the Status tab will display current status of selected object. Also you can Enable/Disable monitoring of the selected object.



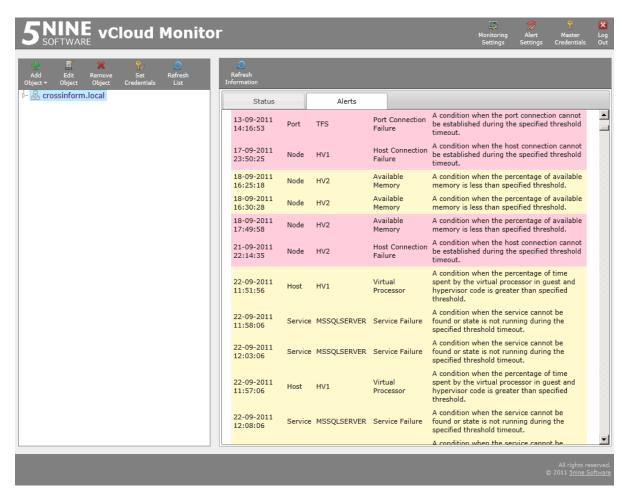
Clicking on the Alerts tab will display list of alerts of the object.



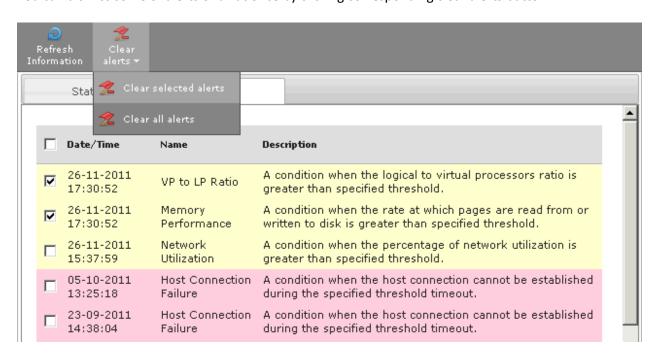
You can browse alerts on per object basis by clicking corresponding objects in tree, or you can select datacenter and see all alerts of datacenter's descendant objects.

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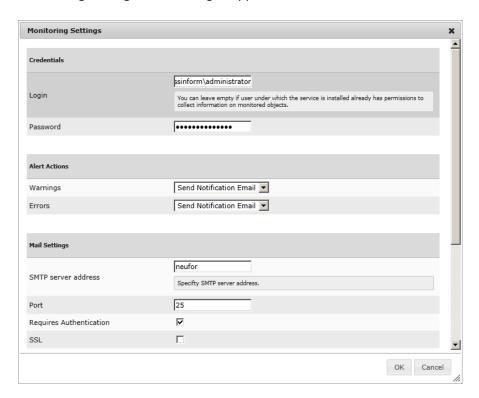


You can dismiss some of alerts or all at once by clicking corresponding clear alerts button.



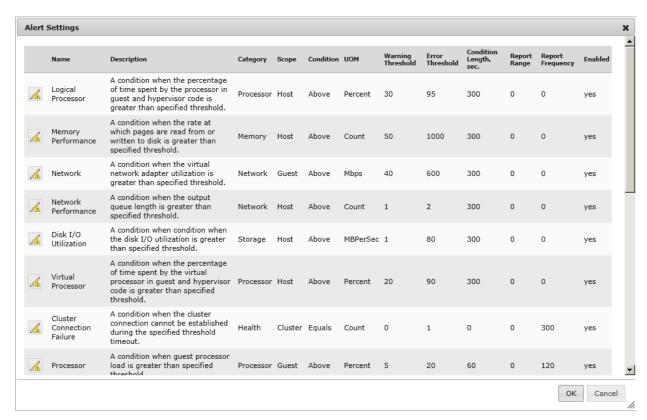


You can change global monitoring settings, set up SMTP alert actions and mail settings by clicking Monitoring Settings button in right-upper corner.



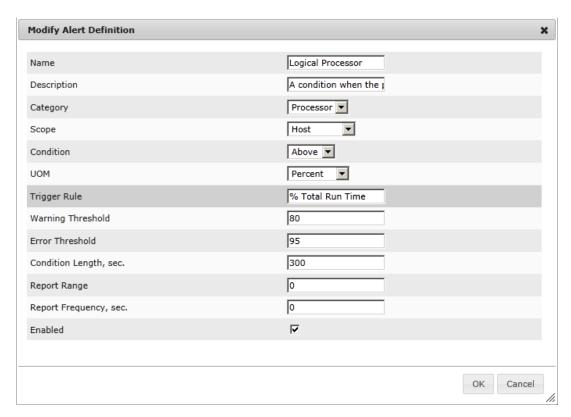
If you want to overview current alert settings click 'Alert Settings' button in right-upper corner.





If you want change setting of the alert then just click pencil button on the left. Following dialog will appear.





If you finished working with application you can close session, by clicking Log Out button.



By default if there were no any activity during 20 minutes, session will be closed automatically.