

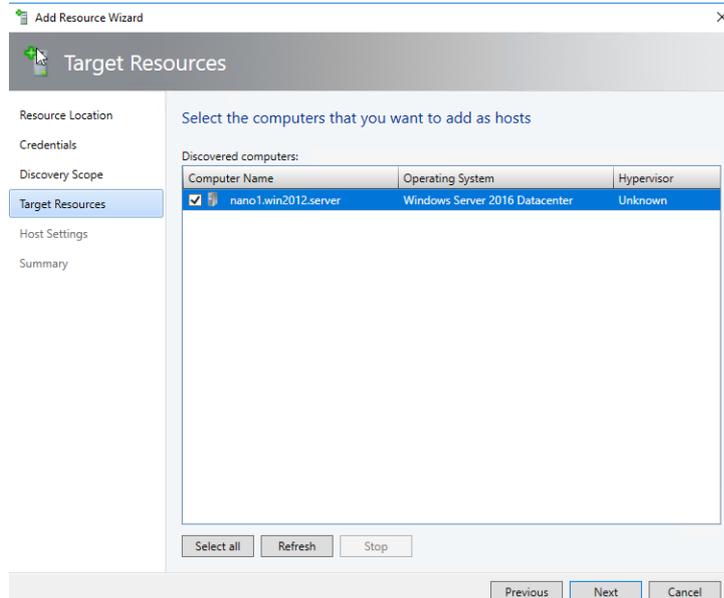
# Nano Server Management mit System Center 2016 Virtual Machine Manager

Voraussetzung: Einen Nano Server mit Hyper-V und VMM-Agent Binaries und Domain Membership deployen. Ich verwende dazu den Nano Server Image Builder

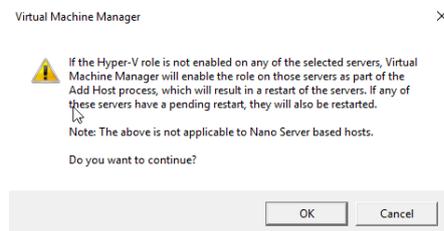


<https://www.microsoft.com/en-us/download/details.aspx?id=54065>

## Nano Server zur VMM-Verwaltung hinzufuegen



## Hinweis wegen der Hyper-V Rolle



## Es geht los:

Task	Status	Start Time	End Time	Owner
Add virtual machine host	75 %	04.02.2017 18:48:54		WIN2012\Administrator
Add virtual machine host	Failed	04.02.2017 16:31:11		WIN2012\Administrator
Change properties of virtual machine host group	Completed	04.02.2017 16:30:42		WIN2012\Administrator
Create virtual machine host group	Completed	04.02.2017 16:30:39		WIN2012\Administrator
PRO-Diagnostics	Completed	04.02.2017 16:18:58		WIN2012\Administrator
Update Operations Manager connection	Completed	04.02.2017 15:53:43		WIN2012\Administrator
Update Operations Manager connection	Completed w/ Info	04.02.2017 15:30:14		WIN2012\Administrator
Update Operations Manager connection	Completed w/ Info	04.02.2017 14:54:53		WIN2012\Administrator

Step	Name	Status	Start Time	End Time
1	Add virtual machine host	75 %	04.02.2017 18:48:54	
1.1	Create undeployed host	Completed	04.02.2017 18:48:54	04.02.2017 18:48:54
1.2	Install Virtual Machine Manager agent	Completed	04.02.2017 18:48:54	04.02.2017 18:48:56
1.3	Refresh host	0 %	04.02.2017 18:49:01	
1.4	Enable Hyper-V	Completed	04.02.2017 18:49:00	04.02.2017 18:49:00

# Nach der Installation kann der Nano Server in VMM verwaltet werden

The screenshot displays the Microsoft Management Console (MMC) interface for Hyper-V. The left-hand navigation pane shows a tree view of the server infrastructure, including 'Fabric', 'Servers', 'All Hosts', and various clusters and servers. The main pane shows a table of hosts with columns for Name, Host Status, Role, Job Status, CPU Average, and Available Memory. The host 'nano1.win2012.server' is highlighted, showing a status of 'OK' and a role of 'Host'. Below the table, the 'nano1.win2012.server Properties' dialog box is open, showing the 'Status' tab. This tab displays a 'Health status' table with columns for Category, Status, and Remediation. The overall health is 'OK', and all sub-components like Network, WinRM, and Host Agent are also 'OK'. Below the health status, there is an 'Error details' section and a 'Copy Errors' button. At the bottom of the console, a summary for the host is provided, including operating system (Microsoft Windows Server 2016 Datacenter), virtualization software (Microsoft Hyper-V), processor (2x 2.79 GHz Intel), memory (4.00 GB), storage disks (1), and storage used (3.24 GB). The 'Recent job' section shows a job to refresh virtual machine properties, which is 100% completed.

## Nano in Nano Management

This screenshot is identical to the one above, showing the same MMC interface for Hyper-V. It displays the host 'nano1.win2012.server' with a status of 'OK' and a role of 'Host'. The 'nano1.win2012.server Properties' dialog box is open, showing the 'Status' tab with a 'Health status' table where all components are 'OK'. The summary at the bottom indicates the host is running Microsoft Windows Server 2016 Datacenter with 4.00 GB of memory and 3.24 GB of storage used. The 'Recent job' section shows a job to refresh virtual machine properties, which is 100% completed.

## Nano Management mit den Microsoft Azure Server-Verwaltungstools

The screenshot displays the Microsoft Azure portal interface for a Nano Server VM. The left sidebar contains navigation options like 'Übersicht', 'Aktivitätsprotokoll', and 'EINSTELLUNGEN'. The main content area shows the 'Zusammenfassung' (Summary) and 'Leistung' (Performance) sections.

**Zusammenfassung:**

- Ressourcengruppe: Default-Storage-NorthEurope
- Verbindung: NANO1.win2012.server
- Status: OK
- Gateway: azure-bardowick (OK)
- Standort: Nordeuropa
- Benutzername: win2012 administrator
- Abonnementname: MVP
- Server: NANO1
- Abonnement-ID: 73b445d2-7bb9-44be-8f91-5900bc9247ff
- Betriebssystem: Microsoft Windows Server 2016 Datacenter

**Leistung (Performance):**

- CPU:** Intel(R) Core(TM) i7-4810MQ CPU @ 2.80GHz. Current usage: 1.08%.
- Memory:** Current usage: 8.63%.

## VM Verwaltung in Hyper-V unter Nano

The screenshot shows the Microsoft Azure portal interface for a Nano Server VM in Hyper-V. The left sidebar includes 'Hyper-V' and 'Lokale Administratoren'. The main content area displays a table of virtual machines.

**Virtuelle Computer (Virtual Machines):**

NAME	STATUS	BETRIEBSZEIT	CPU-NUTZUNG	TAKT	VERWENDETER AR...	ARBEITSSPEICHER...	VERSION
NANO2	Wird ausgeführt	13 Sek.	1%	OK	170,92 MB	1,07 GB	8.0