

# Install and Configure Nano Server

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# What This Module Covers



Determine appropriate usage scenarios and requirements for Nano Server

Install Nano Server

Implement Roles and Features on Nano Server

Manage and configure Nano Server

Manage Nano Server remotely using Windows PowerShell



If You're  
Following  
Along

Build DC

Build a Windows 10 instance and join  
Active Directory domain

Enable Hyper-V on Windows 10



# Usage Scenarios for Nano Server

DNS servers

IIS servers

Scale-Out File Servers

Hyper-V hosts and clusters

Container hosts

Microservice hosts



# Why Nano Server?

**93%**

**Smaller  
VHD Size**

**92%**

**Fewer  
Critical Bulletins**

**80%**

**Fewer  
Required Reboots**

**Smaller OS = Fewer Components =  
Less Security Exposure = Greater Scalability**



# Nano Server Gotchas

Nano Server is entirely "headless" with is no local logon capability or GUI

Supports only 64-bit applications

Cannot serve as an Active Directory DC

Group Policy is not supported, but

Desired State Configuration is supported

Cannot be configured to use a proxy server to access the internet

SCCM and SCDPM are not supported

Windows PowerShell on Nano Server has important differences

Requires Current Branch for Business and Software Assurance



# Current Branch for Business

“Cloud cadence” support model

Rapid development cycles

Feature updates 2-3x per year

Nano Servers cannot operate more than two CBB releases behind

CBB release updates are not automated

For comparison, support and servicing for LTSB model is 5+5 years



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