

Deploying Domain Controllers Using Additional Tools



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Summary



Install a domain controller using install from media (IFM)

Discuss read only domain controllers (RODCs) and how they are installed

Discuss domain controller cloning



Install from Media



What Is Install from Media?

Allows us to install additional domain controllers from a local copy of database files

Used when we are installing an additional domain controller in a remote location

Used to avoid replication of databases over slow or already saturated wan links

Once our new domain controller is installed it will replicate changes since the IFM set was created



Install from Media Process

Create IFM set

Use NTDSUtil.exe to create an IFM set on an existing domain controller (DC)

Transfer IFM set

Ship the IFM set to the remote location and copy it to the server that will become your new DC

Install new DC

Install the new DC making sure to select IFM during the installation



Read Only Domain Controllers



Read Only Domain Controllers

Do not contain any security information

Can be used on sites where physical security is a concern

Can cache credentials of local staff and computers

RODCs

- Are installed using standard tools
- Cannot be used by all applications
- You must create a password replication policy if credential caching is required



Domain Controller Cloning



Domain Controller Cloning

Used to rapidly deploy domain controllers

An existing virtualized domain controller is used as the source

Export and import is used to create the clone and create a new domain controller



Domain Controller Cloning

The domain controller being cloned must be a member of the cloneable domain controllers Active Directory group

PowerShell is used to create the clone

The PDC emulator role must be on a Windows 2012 or higher domain controller



Summary



You have learned how to deploy an additional domain controller using install from media

You have learned how to create and manage a read only domain controller

You have seen the benefits of domain controller cloning

In our next module

- We will discuss Active Directory sites and Active Directory replication

