

LAB 3

ADATUM.COM DOMAIN

Dr. Rendong Bai

Spring 2021

Two very useful videos:

1. 70-410 Lab Preparation - Installing and Configuring Windows Server 2012

<https://www.youtube.com/watch?v=PDkklndGmIE>

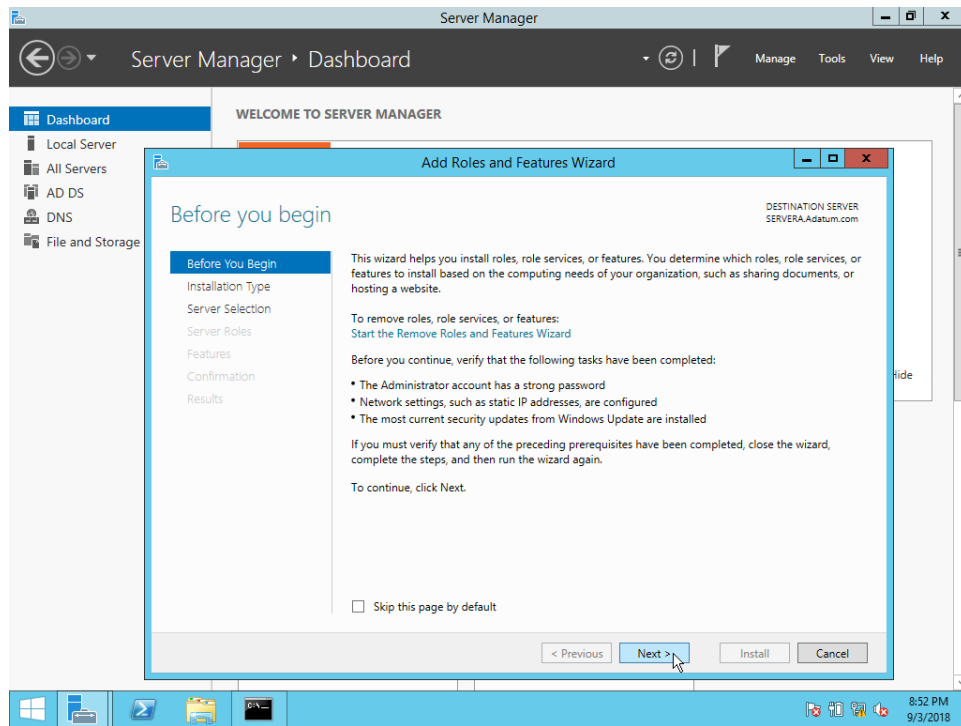
2. Adding Servers to a Windows Server 2012 Active Directory Network

Eli the Computer Guy

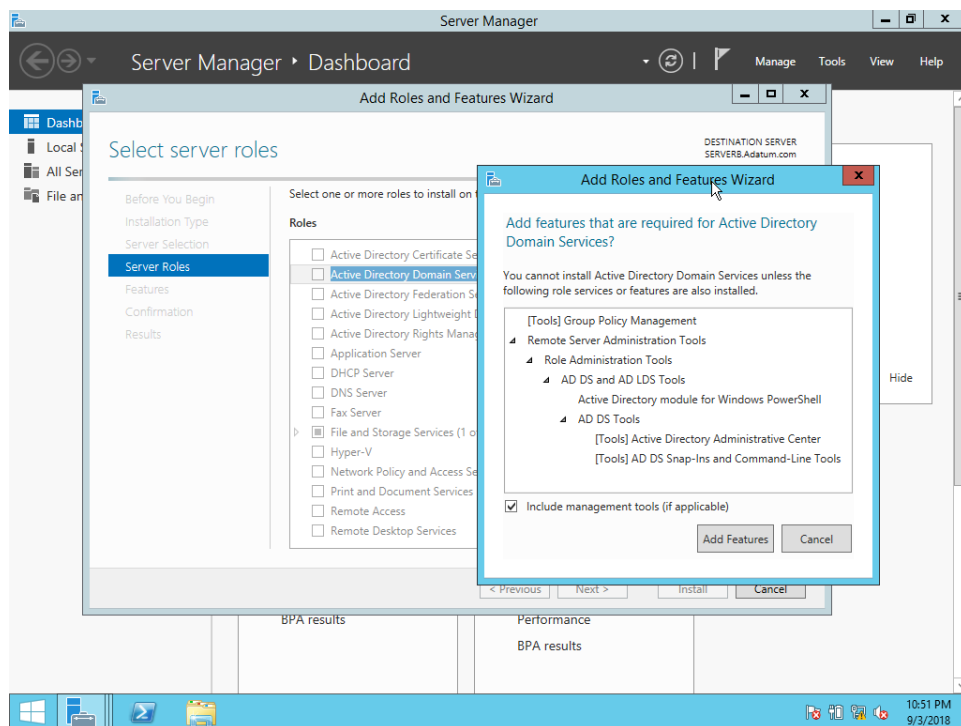
<https://www.youtube.com/watch?v=amzSlpx9fvA>

1. Add Active Directory and Domain Name Service (DNS) Roles for SERVERA

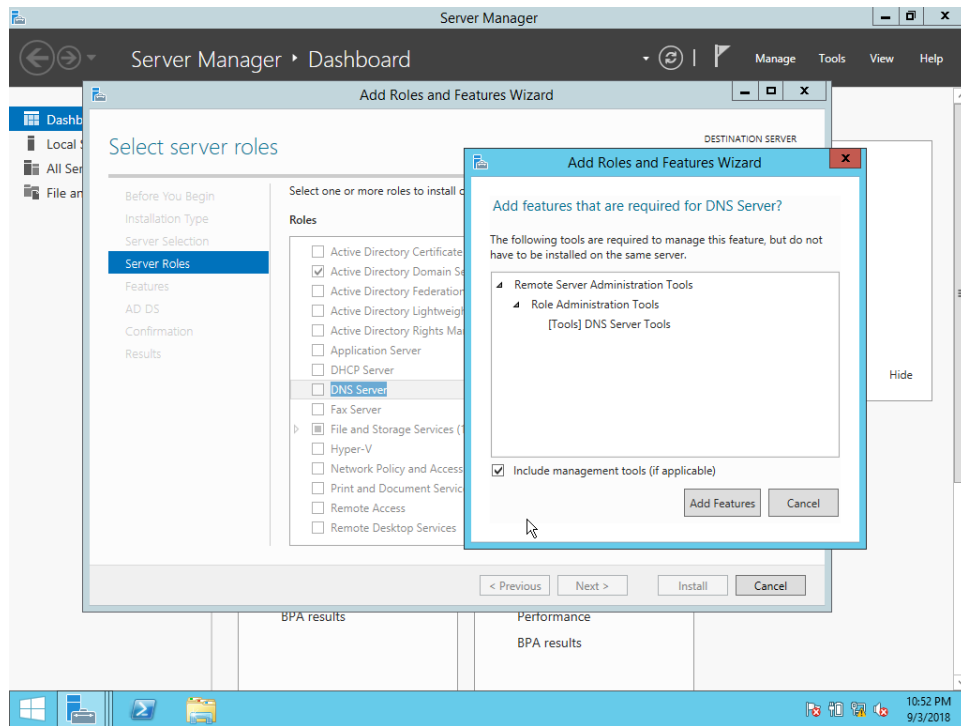
In Server Manager, on Dashboard, click “**Add roles and features**”.



Click “Active Directory Domain Services”, confirm “Add Features”



Click “DNS Server”, confirm “Add Features”

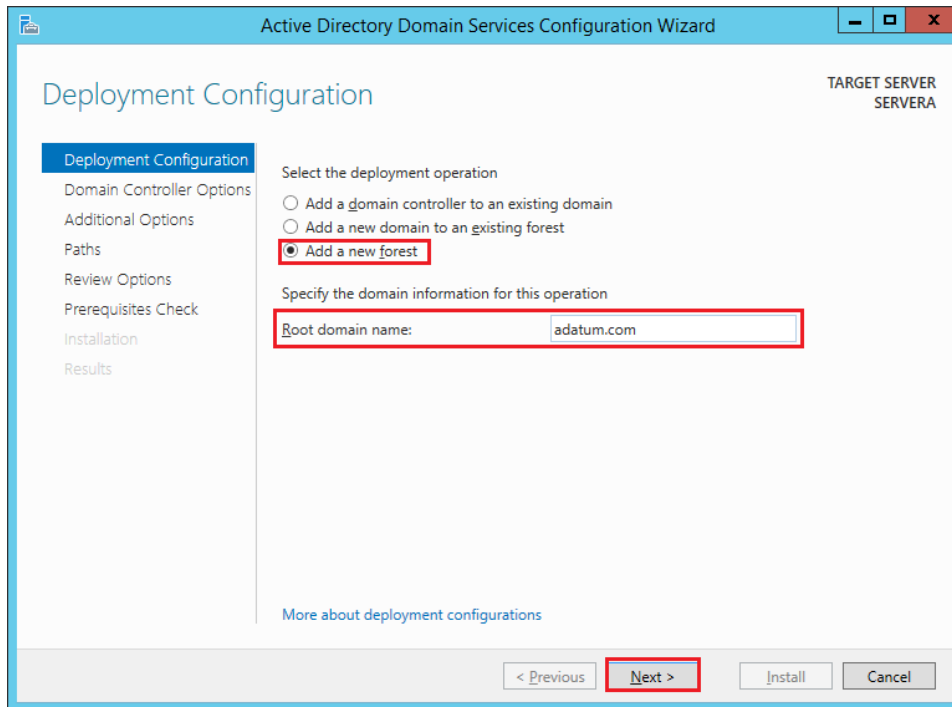


Click Next, Next, Next, Next, until you see “Confirm installation selections”, and Install the roles.

Promote SERVERA to a Domain Controller

After adding the roles, Windows Server needs to be promoted as a domain controller.

Click the Notifications in Server Manager (flag with yellow exclamation), click “Promote this server to a domain controller”.



Active Directory Domain Services Configuration Wizard

Deployment Configuration

TARGET SERVER
SERVERA

Deployment Configuration

Domain Controller Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select the deployment operation

☐ Add a domain controller to an existing domain

☐ Add a new domain to an existing forest

☒ Add a new forest

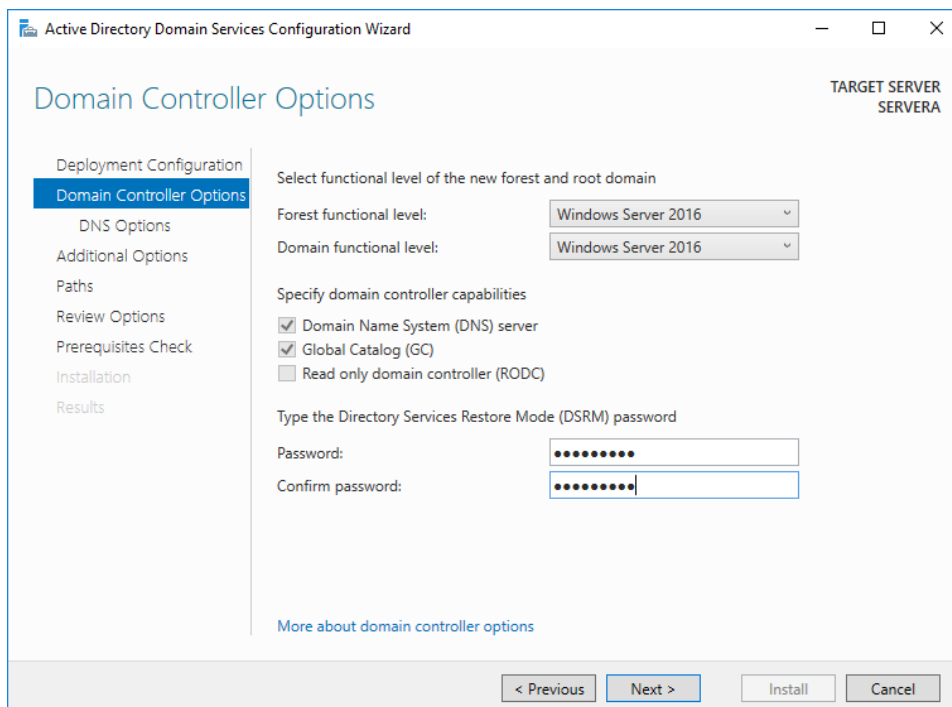
Specify the domain information for this operation

Root domain name:

[More about deployment configurations](#)

< Previous Next > Install Cancel

Give password for DSRM (I used the same password as the administrator).



Active Directory Domain Services Configuration Wizard

Domain Controller Options

TARGET SERVER
SERVERA

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select functional level of the new forest and root domain

Forest functional level:

Domain functional level:

Specify domain controller capabilities

☒ Domain Name System (DNS) server

☒ Global Catalog (GC)

☐ Read only domain controller (RODC)

Type the Directory Services Restore Mode (DSRM) password

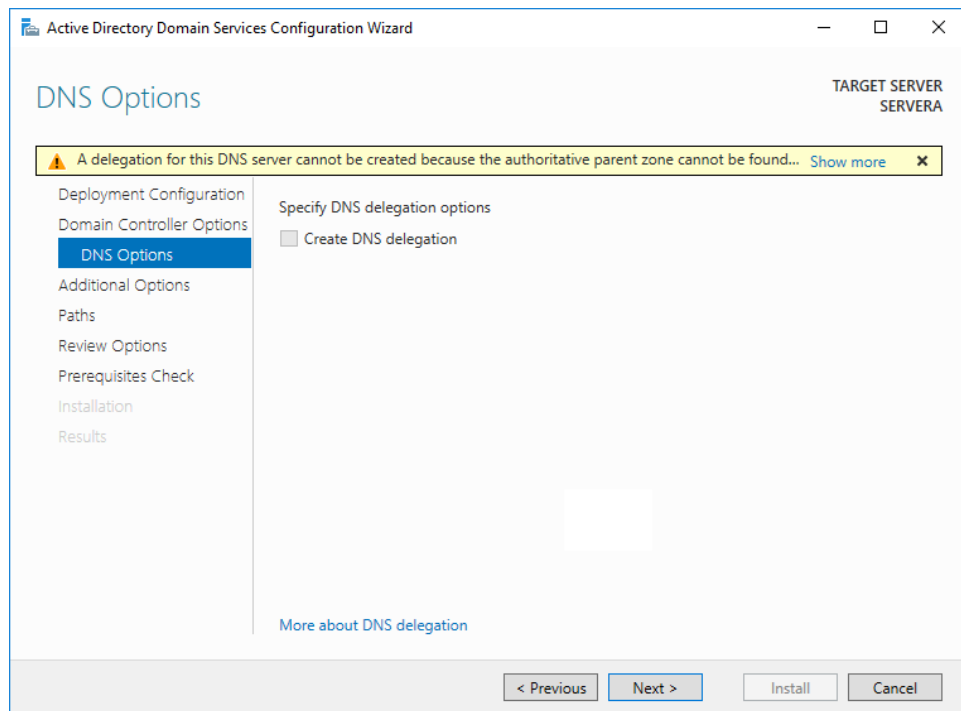
Password:

Confirm password:

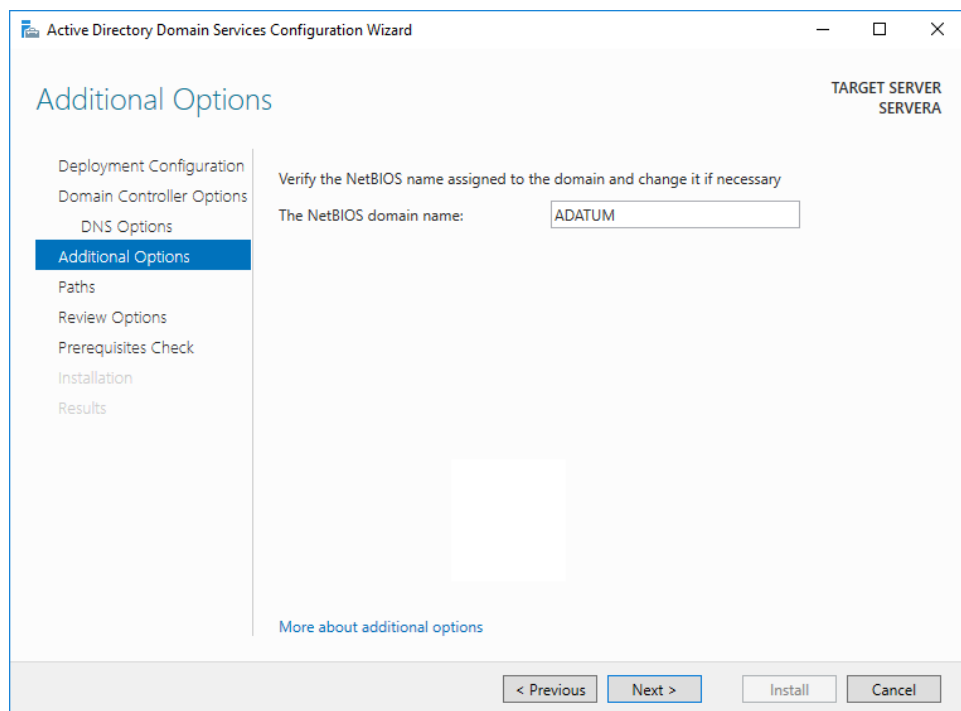
[More about domain controller options](#)

< Previous Next > Install Cancel

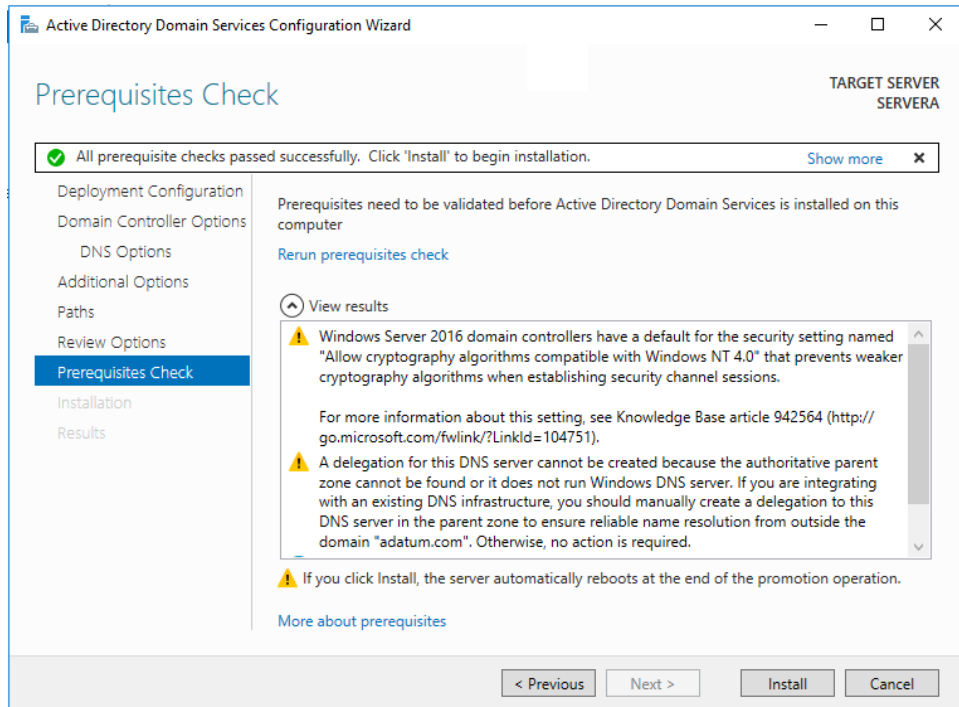
Leave DNS delegation as default and click Next.



Keep NetBIOS setting as is and click Next.



Prerequisites Check is ok.

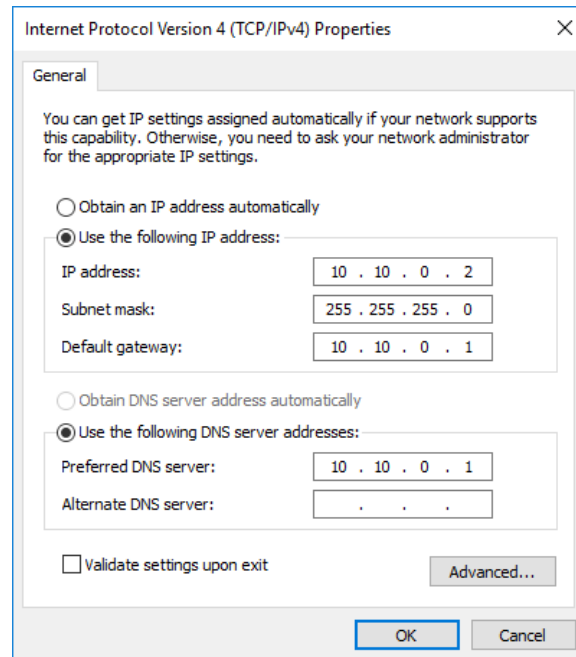


After install, SERVERA will restart.

2. SERVERB and SERVERC Join Adatum.com

On SERVERB (same on SERVERC), in Server Manager, go to Local Server, click Workgroup > Change, select Domain and type "adatum.com", click OK. Type in administrator and password, join the domain.

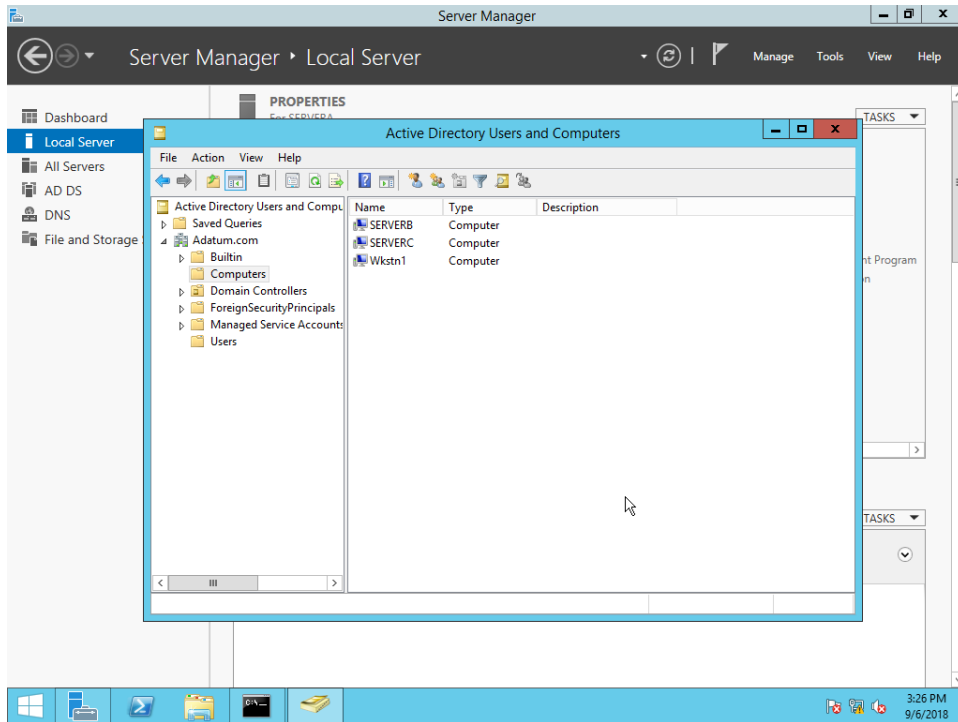
If SERVERB cannot join the domain, one cause could be the DNS setting. Go to IPv4 setting, make sure "Preferred DNS server" is set to 10.10.0.1 (SERVERA).



Submit

Submit a word file (.docx) that includes two screen copies

1. SERVERA: "Active Directory Users and Computers" showing Adatum.com domain and computers, similar to the following picture.



2. SERVERB: "Server Manager" -> "Local Server" showing computer name and domain, similar to the following picture.

