

WINDOWS SERVER 2016: Install, Configure, Manage

LAB 13

Student Laboratory Exercises
Windows Server 2016 and Windows 10

AMAÇ:

Bu Lab çalışmasındaki amaç katılımcıların varolan Domain yapımıza Additional Domain Controller kurulumunu gerçekleştirmesi.

The screenshot shows the Windows Server Manager interface. The left navigation pane is visible with options like Dashboard, Local Server (which is selected and highlighted in blue), All Servers, AD DS, DNS, and File and Storage Services. The main content area displays the 'PROPERTIES' tab for the local server, specifically for a Domain Controller (DC). The 'Computer name' is listed as 'DC' and 'Domain' is listed as 'datahouse.local'. A red box highlights the 'Domain' entry. Below this, various system settings are listed, such as Windows Firewall (Public: Off), Remote management (Enabled), Remote Desktop (Enabled), NIC Teaming (Disabled), and Ethernet0 (192.168.1.20, IPv6 enabled). On the right side of the properties screen, there are sections for Windows Defender, Feedback & Diagnostics, IE Enhanced Security Configuration, Time zone, Product ID, and Processor information. The processor is listed as Intel(R) Core i7-6700HQ CPU @ 2.60GHz x 8. The RAM is 2 GB and the total disk space is 39.51 GB. At the bottom of the properties screen, there is a 'TASKS' dropdown menu. The bottom section of the interface shows the 'EVENTS' log, which lists 21 total events. The first two events are shown in the table below:

Server Name	ID	Severity	Source	Log	Date and Time
DC	8198	Error	Microsoft-Windows-Security-SPP	Application	22.12.2016 07:21:39
DC	1014	Error	Microsoft-Windows-Security-CDP	Application	22.12.2016 07:21:39

Domain Controller'ımız gördüğümüz şekilde.

PROPERTIES
For SRV2

Computer name	SRV2 datahouse.local	Last installed updates	Never
Domain		Windows Update	Download
		Last checked for updates	Never
Windows Firewall	Domain: On	Windows Defender	Real-Time
Remote management	Enabled	Feedback & Diagnostics	Settings
Remote Desktop	Enabled	IE Enhanced Security Configuration	Off
NIC Teaming	Disabled	Time zone	(UTC+02:00)
Ethernet0	192.168.1.21, IPv6 enabled	Product ID	Not activated
Operating system version	Microsoft Windows Server 2016 Datacenter Evaluation	Processors	Intel(R) Core i7-6700HQ CPU @ 2.60GHz x 8
Hardware information	VMware, Inc. VMware Virtual Platform	Installed memory (RAM)	2 GB
		Total disk space	39.51 GB

EVENTS
All events | 28 total

Server Name	ID	Severity	Source	Log	Date and Time
SRV2	1076	Warning	User32	System	22.12.2016 07:24:00
SRV2	8198	Error	Microsoft-Windows-Security-SPP	Application	22.12.2016 07:22:44
SRV2	1014	Error	Microsoft-Windows-Security-SPP	Application	22.12.2016 07:22:42

SRV2 makinemizi domainimize dahil edelim. Dahil ettikten sonra SRV2 makinemizi **DATAHOUSE\administrator** hesabı ile açalım.

Add Roles and Features Wizard

Select server roles

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

DESTINATION SERVER
SRV2.datahouse.local

Select one or more roles to install on the selected server.

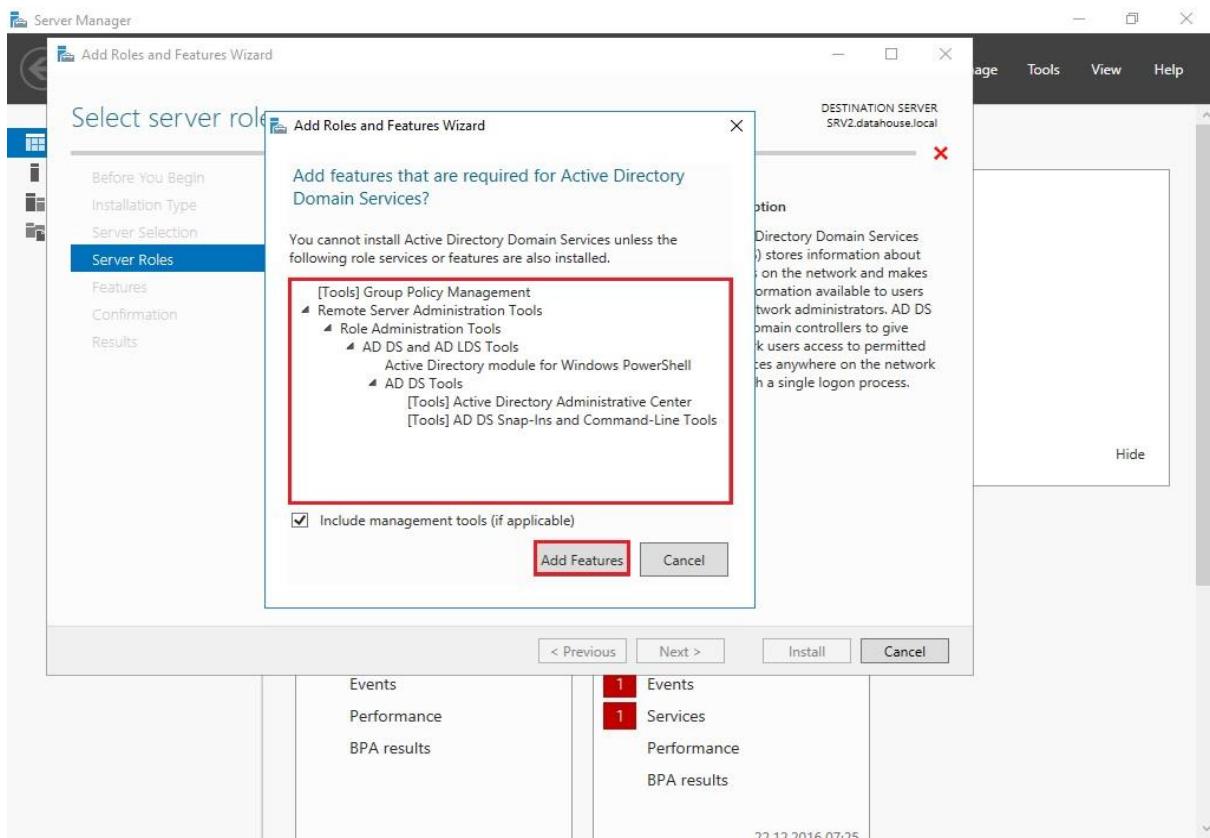
Roles

<input type="checkbox"/> Active Directory Certificate Services	
<input checked="" type="checkbox"/> Active Directory Domain Services	Description
<input type="checkbox"/> Active Directory Federation Services	Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.
<input type="checkbox"/> Active Directory Lightweight Directory Services	
<input type="checkbox"/> Active Directory Rights Management Services	
<input type="checkbox"/> Device Health Attestation	
<input type="checkbox"/> DHCP Server	
<input type="checkbox"/> DNS Server	
<input type="checkbox"/> Fax Server	
<input checked="" type="checkbox"/> File and Storage Services (1 of 12 installed)	
<input type="checkbox"/> Host Guardian Service	
<input type="checkbox"/> Hyper-V	
<input type="checkbox"/> MultiPoint Services	
<input type="checkbox"/> Network Controller	
<input type="checkbox"/> Network Policy and Access Services	
<input type="checkbox"/> Print and Document Services	
<input type="checkbox"/> Remote Access	
<input type="checkbox"/> Remote Desktop Services	
<input type="checkbox"/> Volume Activation Services	
<input type="checkbox"/> Web Server (IIS)	

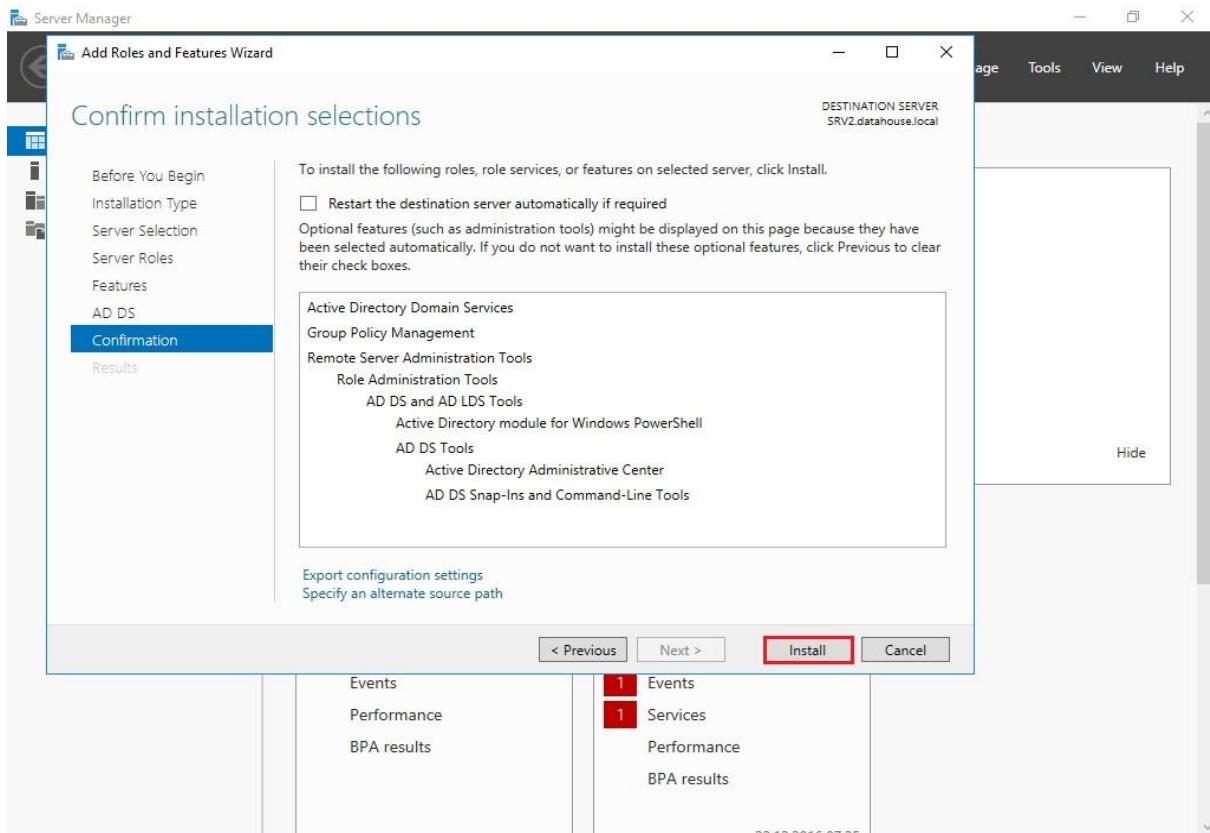
< Previous Next > Install Cancel

Events
1 Events
Services
Performance
BPA results
Performance
BPA results

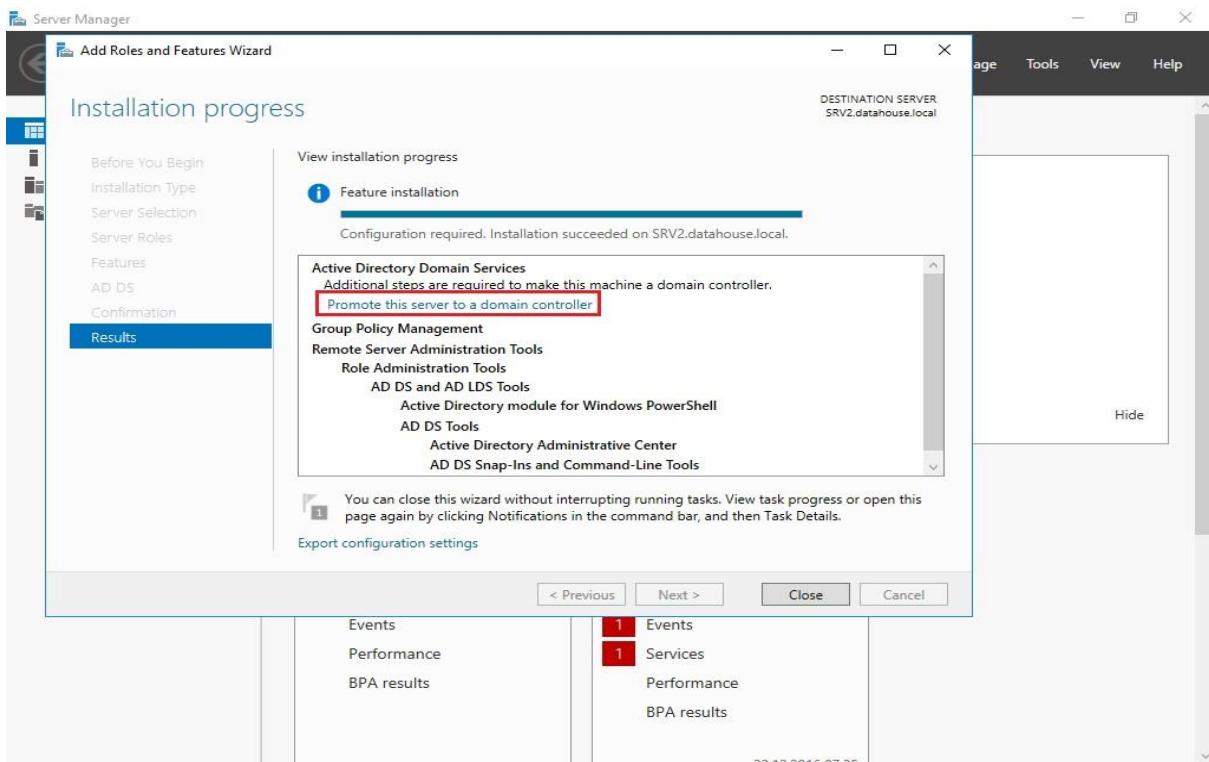
Active Directory Domain Services rolünü yüklemeye başlayalım. Rolümüzü seçelim.



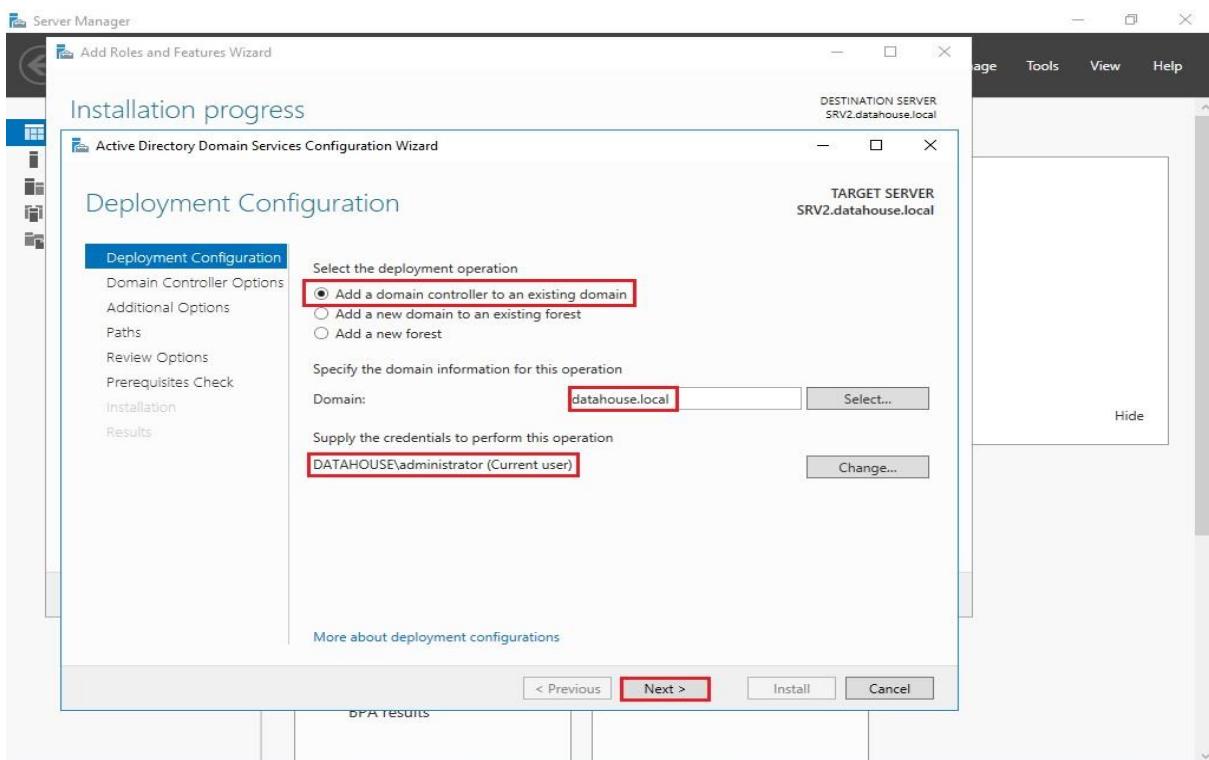
Karşımıza bu AD DS rolü ile beraber kuracağım **Tools** , **Features** , **Role'leri** raporluyor.**Add Features'e** tıklayalım.



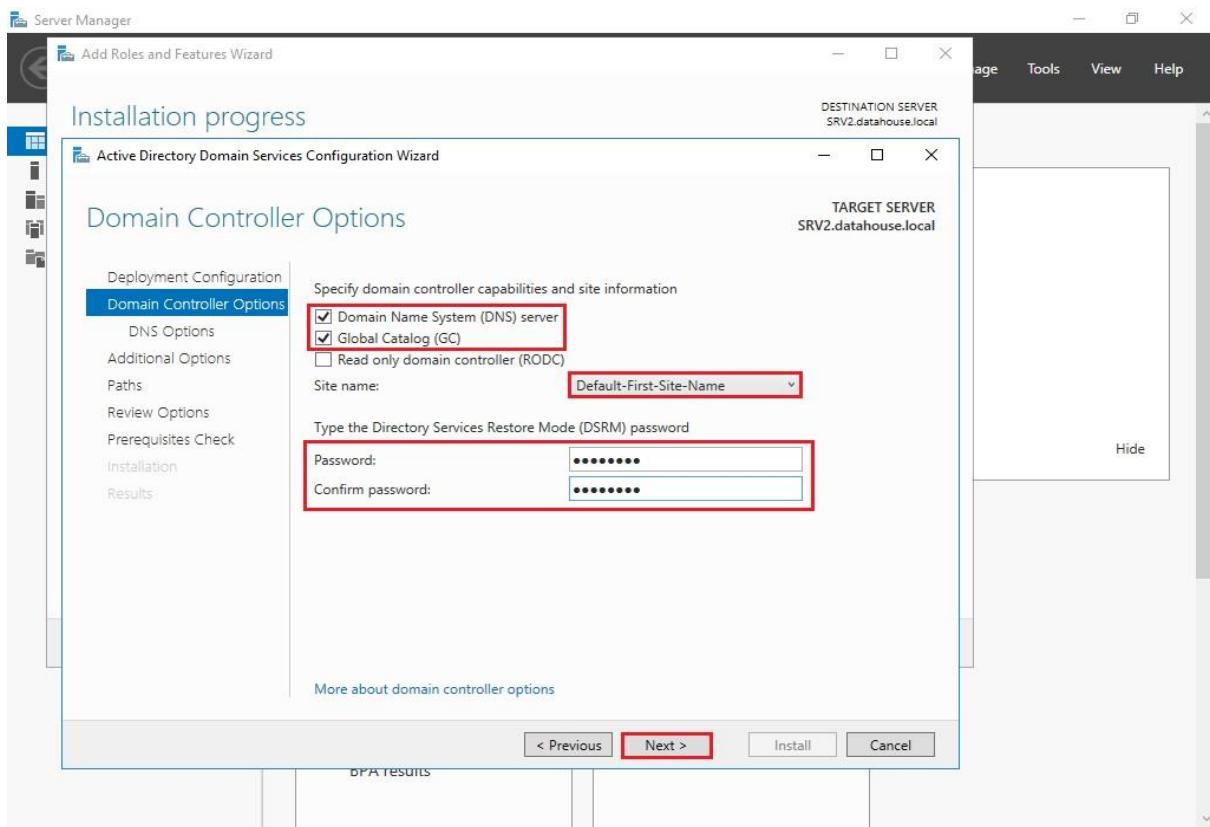
Son aşamada ise Kuracağı Tools'ları gösteriyor.**Install'a** tıklayarak kurulumu başlayalım.



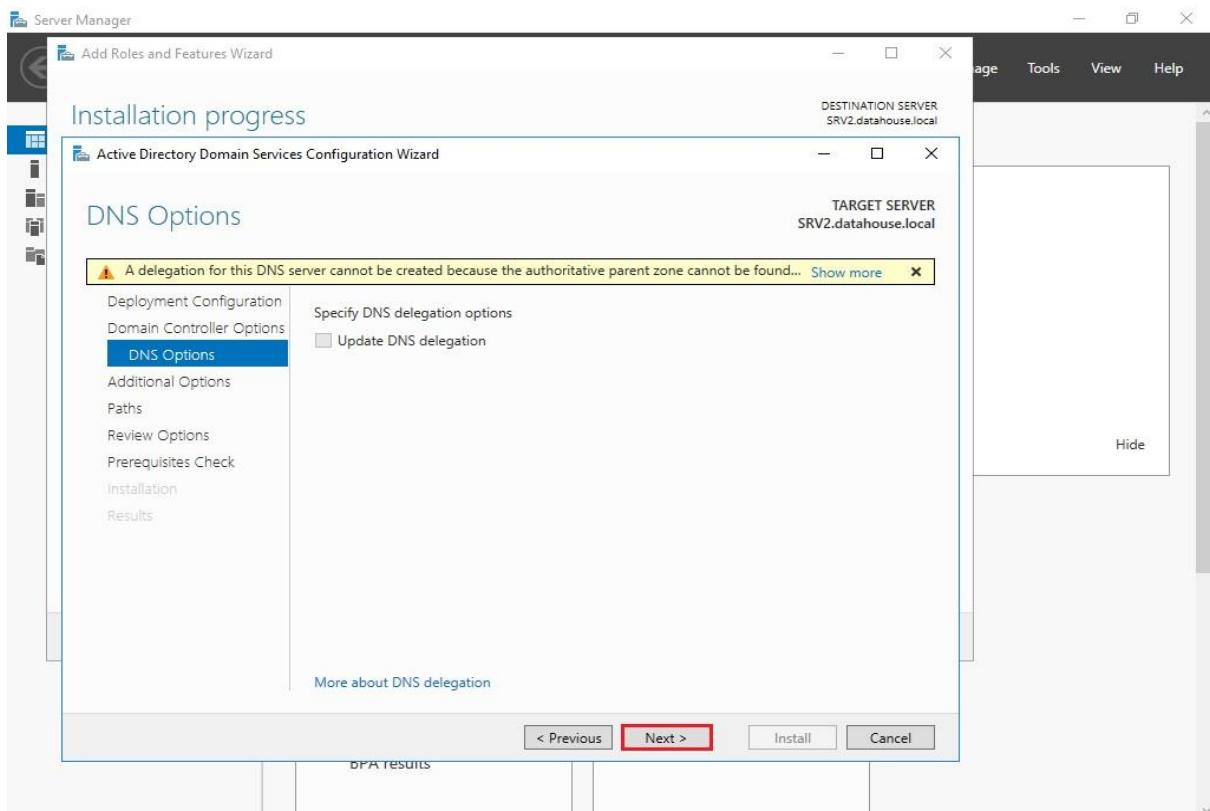
İlk kurulum tamamlandıktan sonra **Promote this server to a domain controller** yazısına tıklayalım.



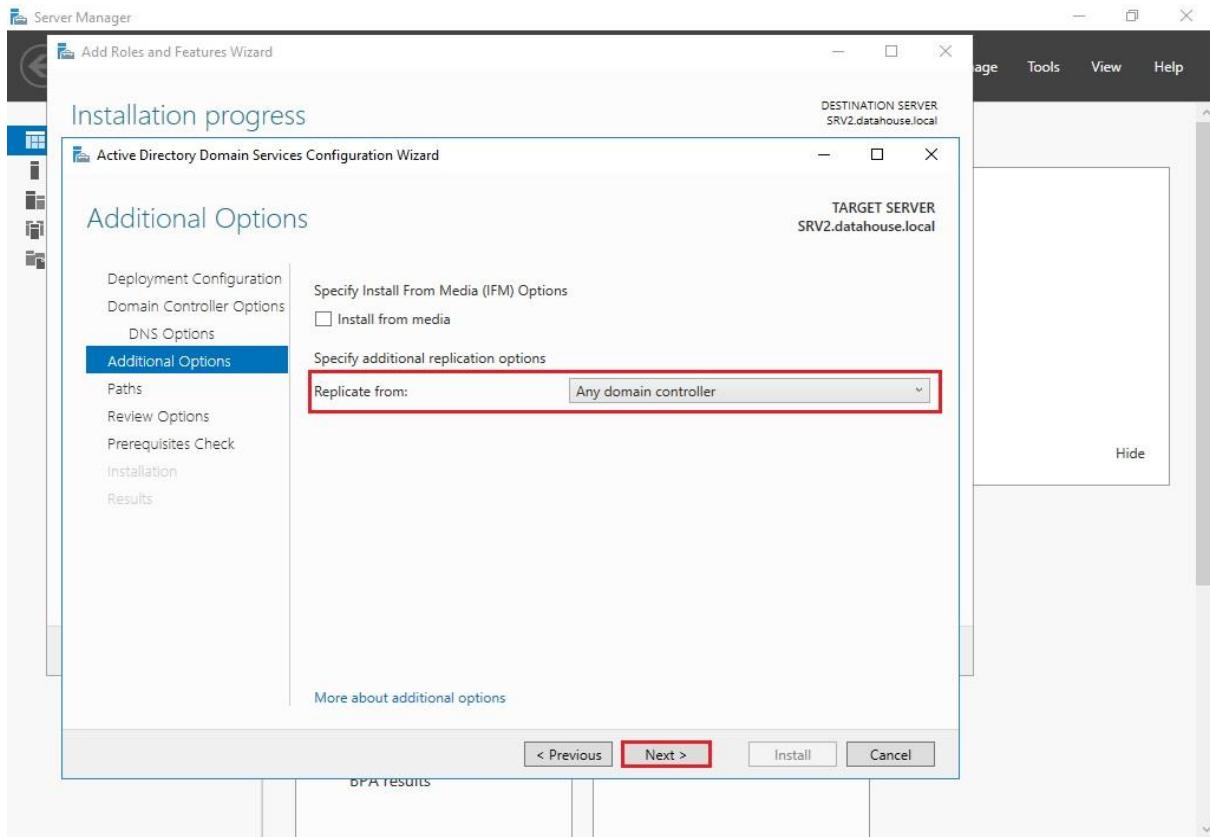
Karşımıza çıkan ekranda **Add a domain controller to an existing domain** tabını işaretleyelim. Bunun anlamı varolan domain yapısına yeni bir domain controller ekle demektir. Makinemizi önceden domaine aldığımız için Domain tabına **datahouse.local** otomatik geliyor. **DATAHOUSE\administrator** hesabı ile oturum açtığımız için **Supply the credentials to perform this operation** bölümüne otomatik domain adminimizin hesabı geliyor. Bu bölümleri elle de doldurabildik. Makinemizi domaine almadan da yapabilirdik. **Next** ile yapılandırma işleme devam edelim.



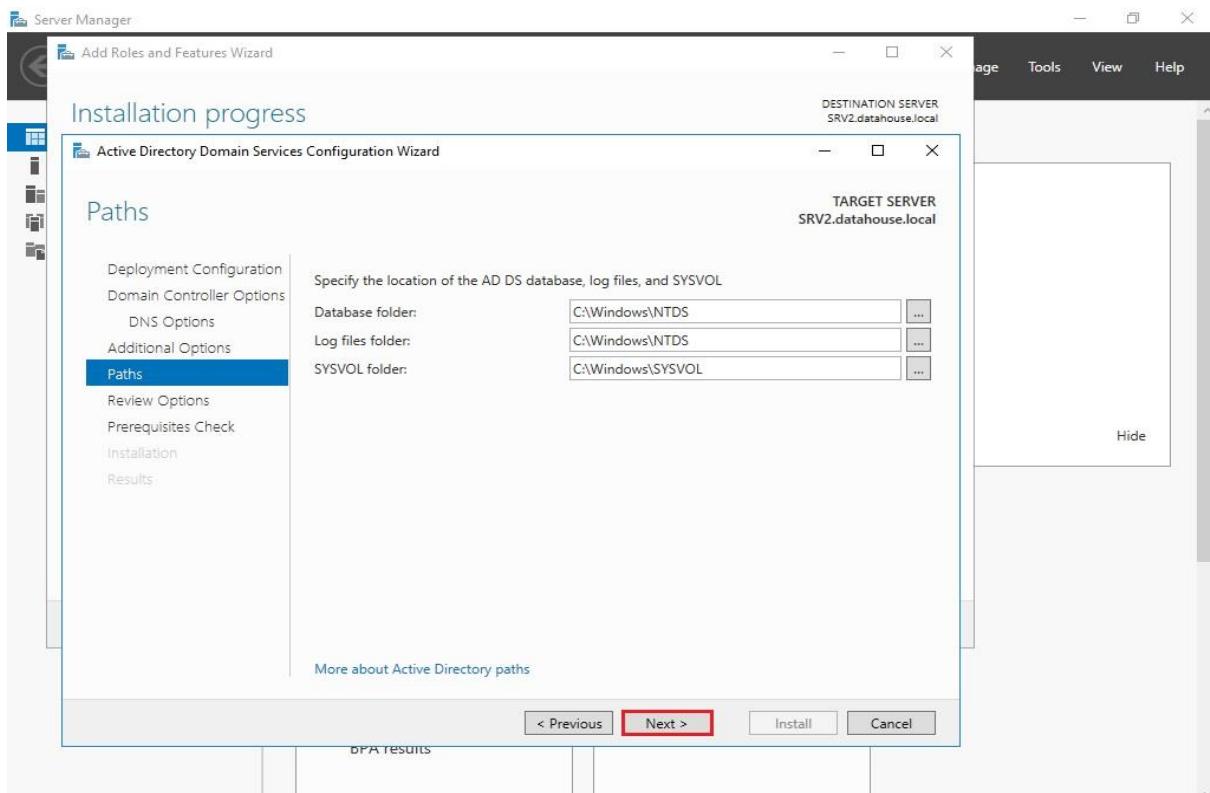
DNS Server ve Global Catalog kutucuklarını işaretledik. Site name bölümü Sistemin otomatik verdiği ayarda bırakalım. DSRM passwordumuzu da belirledikten sonra Next ile devam edelim.



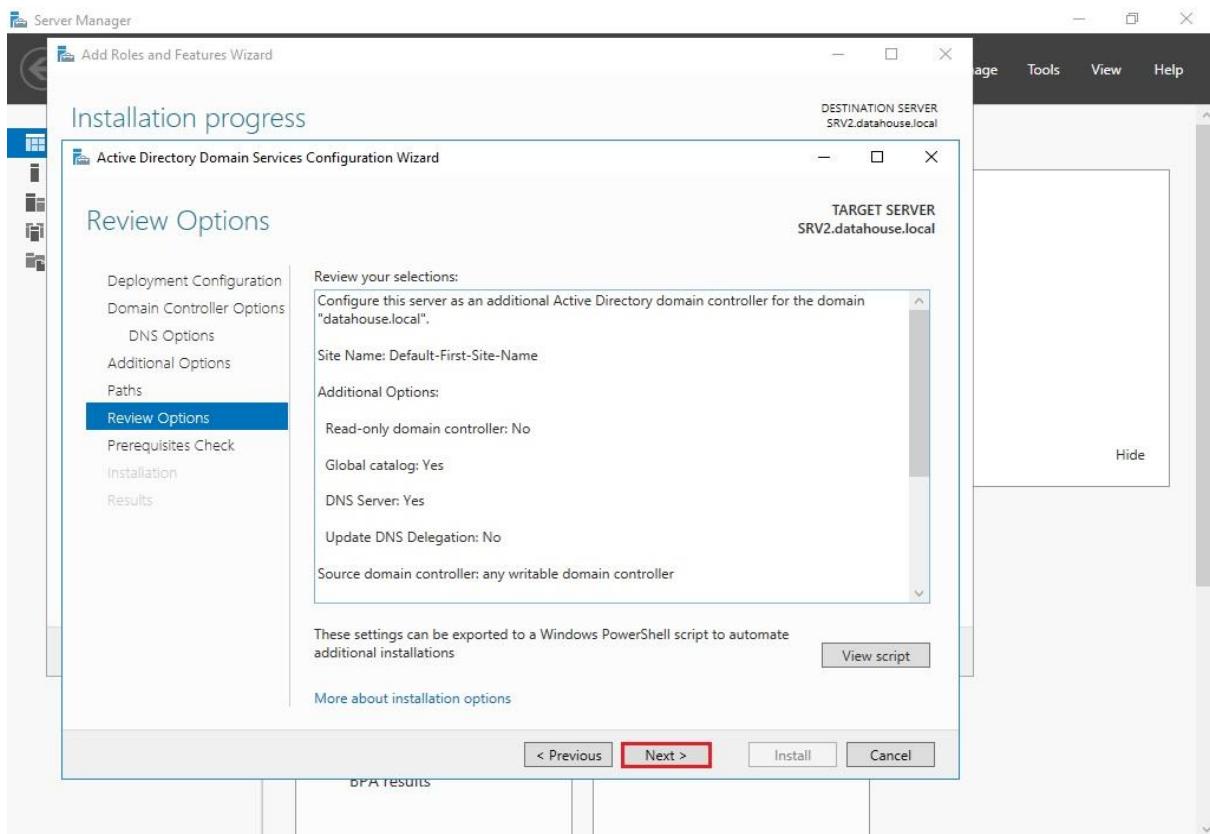
DNS Options bölümü default olarak ayar yapmadan bırakıyoruz çünkü daha DNS rolü daha kurulmadı. Next ile devam edelim.



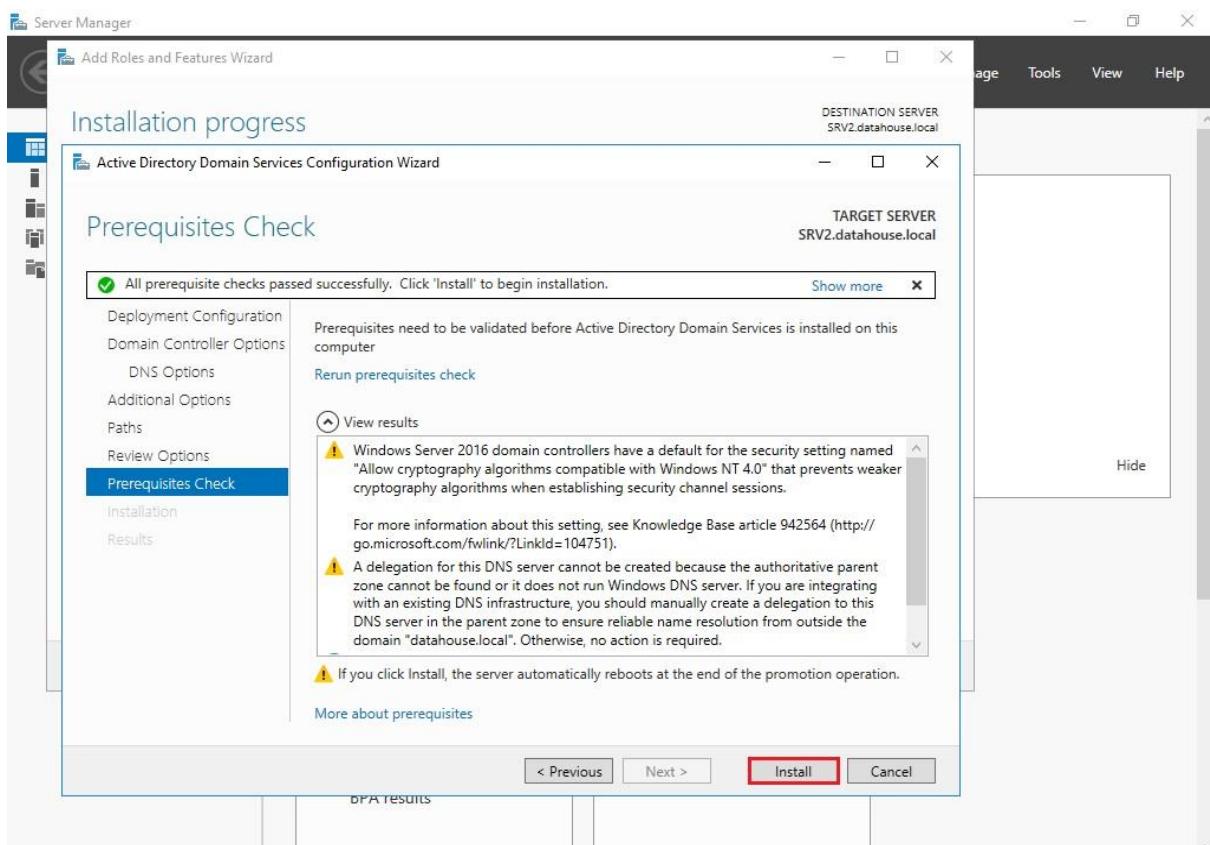
Replicate from => Any domain controller olarak ayarladık. Ortamımızda bulunan herhangi DC ile replikasyon kursun. **Next** ile devam edelim.



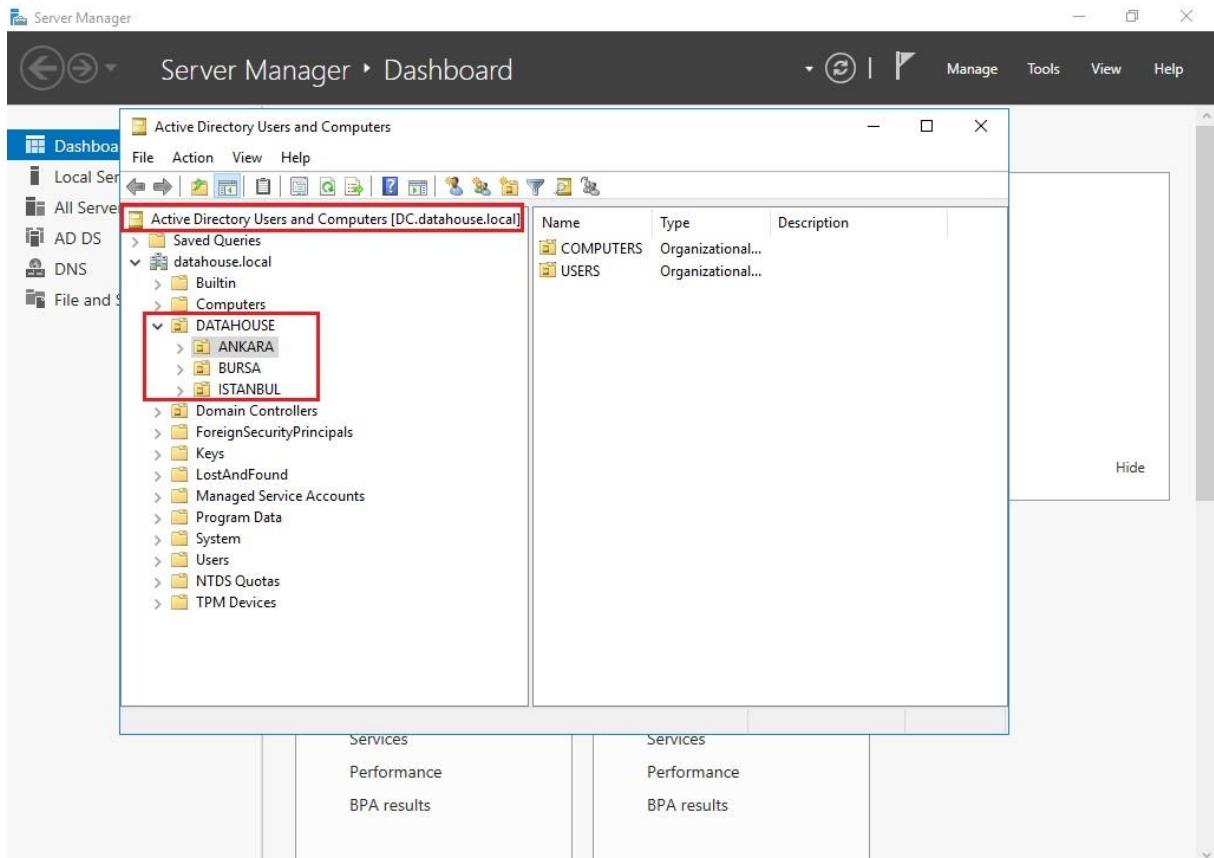
NTDS ve SYSVOL dosyalarının nerede tutulacağını ayarladığımız bölüm. Default olarak bırakıyoruz **Next** ile devam edelim.



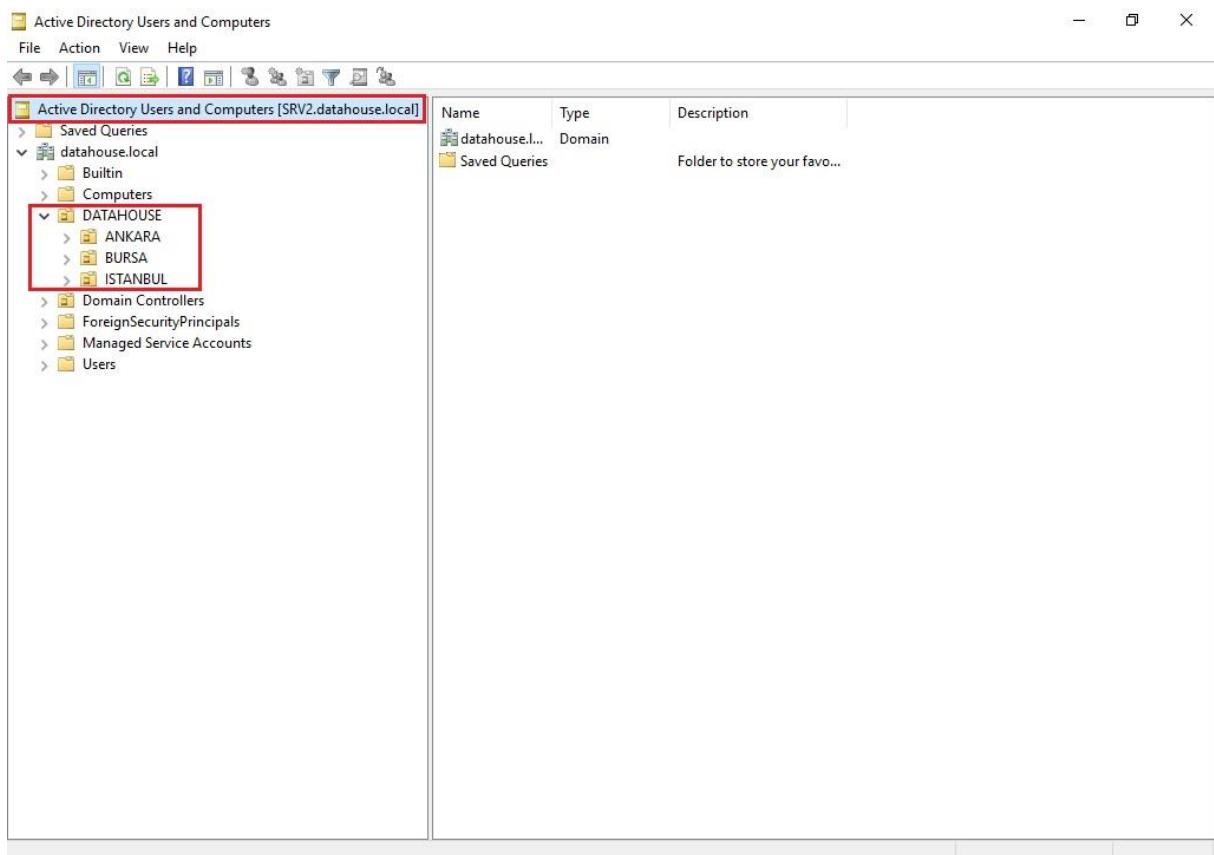
Son olarak yaptığımız ayarların bir raporunu sunuyor. **Next** ile devam edelim.



Kurulum için sistemimizi check işleminde başarılı bir şekilde tamamladı. **Install** 'a tıklayalım kurulumu başlayalım.



DC makinemizde bulunan Organizational Unit’lerimizi görüyoruz.



Aynı şekilde SRV2 Additional Domain Controller ‘ımıza da replike olduğunu görüyoruz.