## Windows Server 2022 Active Directory Kurulumu

Active Directory kurulumu yapacağımız sunucu üzerinde öncelikle Windows güncellemelerin yapılmış olması, sunucu adı ve ip bilgisi static olarak girilmesi gerekmektedir.

Server Manager ekranında bulunan Add Roles and Features butonuna basıyoruz.



Bu ekranda administrator şifresinin güçlü olması – ip ayarlarının static – Windows updatelerin yapılmış olması hakkında bilgi vermektedir. Biz bu işlemleri yaptığımız için next ile devam ediyoruz.

📥 Add Roles and Features Wizard	— —	х
Before you begin	DESTINATION SERVER sp-win-dc01	t I
Before You Begin Installation Type	This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.	r
Server Selection Server Roles	To remove roles, role services, or features: Start the Remove Roles and Features Wizard	
Features	Before you continue, verify that the following tasks have been completed:	
Confirmation Results	<ul> <li>The Administrator account has a strong password</li> <li>Network settings, such as static IP addresses, are configured</li> <li>The most current security updates from Windows Update are installed</li> </ul>	
	If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.	
	To continue, click Next.	
	Skip this page by default	
Next ile devam ediyoruz.	< Previous Next > Install Cancel	
📥 Add Roles and Features Wizard		×
Select installation	type Destination server	
Before You Begin	Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).	
Server Selection	Role-based or feature-based installation Configure a single server by adding roles, role services, and features.	
Server Roles Features	Remote Desktop Services installation	
Confirmation	Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-base or session-based desktop deployment.	d
Results		
	< Previous Next > Install Cancel	]

AD rolünü kuracağımız sunucuyu seçerek next ile devam ediyoruz.

📥 Add Roles and Features Wiza	ard			– 🗆 X
Select destination	on server			DESTINATION SERVER sp-win-dc01
Before You Begin Installation Type	Select a server or a Select a server f	virtual hard disk on which from the server pool	to install roles and features.	
Server Selection Server Roles Features Confirmation	Server Pool			
Results	Name sp-win-dc01	IP Address	Operating System Microsoft Windows Server	r 2022 Standard
	1 Computer(s) foun This page shows se and that have been newly-added server	nd rivers that are running Wir a added by using the Add rs from which data collect < Pri	ndows Server 2012 or a newer Servers command in Server M ion is still incomplete are not evious Next >	release of Windows Server, lanager. Offline servers and shown.

Active Directory Domain Service rolünü seçip next ile devam ediyoruz.



IP Address Management (IPAM) Server
 LPR Port Monitor
 <
 <
 </td>

Bu ekranda active directory hakkında bilgi paylaşılmıştır. Next ile devam ediyoruz.

📥 Add Roles and Features Wizard

Active Directory	Domain Services Destination server sp-win-dc01
Before You Begin Installation Type Server Selection Server Roles Features	<ul> <li>Active Directory Domain Services (AD DS) stores information about users, computers, and other devices on the network. AD DS helps administrators securely manage this information and facilitates resource sharing and collaboration between users.</li> <li>Things to note:</li> <li>To help ensure that users can still log on to the network in the case of a server outage, install a minimum of two domain controllers for a domain.</li> </ul>
AD DS Confirmation Results	<ul> <li>AD DS requires a DNS server to be installed on the network. If you do not have a DNS server installed, you will be prompted to install the DNS Server role on this machine.</li> <li>Azure Active Directory, a separate online service, can provide simplified identity and access management, security reporting, single sign-on to cloud and on-premises web apps.</li> <li>Learn more about Azure Active Directory</li> <li>Configure Office 365 with Azure Active Directory Connect</li> </ul>
	< Previous Next > Install Cancel

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Bu ekranda kurulum için yaptığımız işlemler hakkında bilgi veriyor. Install ile devam ediyoruz.



Kurulumu başarı ile tamamladık. Close butonuna basarak çıkış yapıyoruz.

AD rolünü başarı ile kurduktan sonra şimdi domain yapısını kurma işlemi yapalım.

Dashboard ekranından Promote this server to a domain controller butonuna basalım.

📥 Server Manager		– 🗆 ×
🕞 🕘 🕌 🕶 Das	nboard 🔹 🕫 🗗	Manage Tools View Help
<ul> <li>Dashboard</li> <li>Local Server</li> <li>All Servers</li> <li>AD DS</li> <li>File and Storage Service</li> </ul>	<ul> <li>Post-deployment Configura</li> <li>Post-deployment Configura</li> <li>Configuration required for Active Directory Domain Services at SP-WIN-t CO1</li> <li>Promote this server to a domain controller</li> <li>Feature installation</li> <li>Configuration required. Installation succeeded on sp-win-dcO1.</li> <li>Add Roles and Features</li> <li>Task Details</li> </ul>	nis local server nd features servers to manage rver group
	5 Connect ARN MORE	this server to cloud services Hide

Bu ekranda yapacağımız işlemler belirtilmiştir.

Add a domain controller to an existing domain : Mevcut AD rolü üzerine Additional DC kurulumu gerçekleştir.

Add a new domain to an existing forest: Mevcut AD üzerine Child Domain kurulumu gerçekleştirir.

Add a new forest: Yeni bir domain AC yapısı kurulumu yapar.

Biz yeni bir domain kurulumu yapacağımız için add a new forest seçeneğini seçip next ile devam ediyoruz.

TARGET SERVER sp-win-dc01

TARGET SERVER

sp-win-dc01

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Deployment (	onfiguration

Doployment Configuration	
Deployment Conliguration	Select the deployment operation
Additional Options	O Add a domain controller to an existing domain
Additional Options	O Add a new domain to an existing forest
Paths	<ul> <li>Add a new forest</li> </ul>
Review Options	Specify the domain information for this operation
Prerequisites Check	speerly the domain morniadon for this operation
Installation	Root domain name: erhanayas.local
Results	
	More about deployment configurations
	< Previous Next > Install Cancel

Domain yapımızda herhangi bir sunucu olmadığı için forest seviyesini 2016 olarak bırakıyorum.

è.	Active Directory	Domain Services	Configuration	Wizard
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## Domain Controller Options

Deployment Configuration	Select functional level of the new	forest and root domain		
Domain Controller Option	Forest functional level:	Windows Server 2016	~	
Additional Options	Domain functional level:	Windows Server 2016	~	
Paths	Specify domain controller capabil	ities		
Review Options	Domain Name System (DNS)	server		
Prerequisites Check	Global Catalog (GC)			
Installation	Read only domain controller	RODC)		
Results	Type the Directory Services Resto	re Mode (DSRM) password		
	Password:	•••••		
	Password: Confirm password:	•••••		
	Password: Confirm password: More about domain controller op	tions		

Next ile devam ediyoruz.

1.11		×
TAI	RGET SE sp-win	RVER -dc01
Show	more	×
	Canc	el
	TAI Show	TARGET SE sp-win Show more

📥 Active Directory Domain Services Configuration Wizard

Additional Option	S	TARGET SERVER sp-win-dc01
Deployment Configuration Domain Controller Options DNS Options Additional Options Paths	Verify the NetBIOS name assigned to the domain and change it if necessar The NetBIOS domain name: ERHANAYAS	У
Review Options		
Prerequisites Check		
Installation		
Results		
	More about additional options	
	< Previous Next >	nstall Cancel

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Bu ekranda DC yapımızın database, log ve sysvol dizinlerinin nerede oluşturulması gerektiğini belirtiyoruz. Ayarları default olarak bırakıp next ile devam ediyoruz.

📥 Active Directory Domain Service	es Configuration Wizard		- 🗆 X
Paths			TARGET SERVER sp-win-dc01
Deployment Configuration Domain Controller Options	Specify the location of the AD	DS database, log files, and SYSVOL	
DNS Options	Database folder:	C:\Windows\NTDS	
Additional Options	Log files folder:	C:\Windows\NTDS	
Paths	SYSVOL folder:	C:\Windows\SYSVOL	
Review Options Prerequisites Check Installation Results			
	More about Active Directory	paths	
		< Previous Next >	Install Cancel

Bu ekranda active directory rolü için yapmış olduğumuz işlemlerin listesi oluşur. Next ile devam edelim.

📥 Active Directory Domain Services	Configuration Wizard			×
Review Options		TAI	RGET SER sp-win-	VER dc01
Deployment Configuration	Review your selections:			
Domain Controller Options	Configure this server as the first Active Directory domain controller in a new fore	est.		^
DNS Options	The new domain name is "erhanayas.local". This is also the name of the new fore	est.		
Additional Options	The NetBIOS name of the domain: ERHANAYAS			
Paths Review Options	Forest Functional Level: Windows Server 2016			
Prerequisites Check Installation Results	Domain Functional Level: Windows Server 2016 Additional Options:			
	Global catalog: Yes DNS Server: Yes Create DNS Delegation: No			~
	These settings can be exported to a Windows PowerShell script to automate additional installations	V	iew script	:
	More about installation options			
	< Previous Next > Install		Cance	l

Install diyerek kurulumu başlatalım.

📥 Active Directory Domain Services Configuration Wizard

Prerequisites Check

TARGET SERVER sp-win-dc01

Deployment Configuration	Descentifies and to be added to fee Astic Director, Description is intelled as this				
Domain Controller Options	computer				
DNS Options	Rerun prerequisites check				
Additional Options					
Paths	View results				
Review Options	A Windows Server 2022 domain controllers have a default for the security setting named				
Prerequisites Check	"Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.				
Installation					
Results	For more information about this setting, see Knowledge Base article 942564 (http:// go.microsoft.com/fwlink/?LinkId=104751).				
	A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "erhanayas.local". Otherwise, no action is required.				
	If you click Install, the server automatically reboots at the end of the promotion operation.				

Kurulum işlemi tamamlandıktan sonra sunucu yeniden başlayacaktır.

ctive Directory Domain Services	Configuration Wizard			1.5	
esults				TARGE sp	T SERVER -win-dc01
This server was successfully c	onfigured as a domain controlle	er		Show mor	e X
Deployment Configuration	• View detailed operation r	esults			
	Windows Server 2022 d "Allow cryptography alg	omain controllers h orithms compatible	ave a default for the with Windows N	he security setting nam F 4.0" that prevents we	ned aker
You're abou	ut to be signed	out			
e The computer is bei	ing restarted because Acti	ve Directory Do	main Services v	was installed or	
15					
e:				Close	
	More about results				
		< Previous	Next >	Close	Cancel
				Windo	ows Server 20
				uation copy. Build 2032	24.fe_release.2
Type here to search		2 🗖	📥 🕅	~ 昛 (	11:18 AM 1 <mark>8</mark> 2/23/202
kurulum islemimiz ta	mamlanmıştır.				
<b>,</b>					



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