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Deploy Active Directory CLI – Assignment #4

Today we will set up Active Directory (AD) on Windows Server 2019 using PowerShell commands.

First, Make sure you are in an Administrator account.
Right click the start button, and click on PowerShell.

Is important to point out that In powershell Commands are called cmdlets.
To maximize efficiency use the Tab key to auto complete.

Run: Rename-Computer -NewName DC3

Then restart computer (Installation planned)

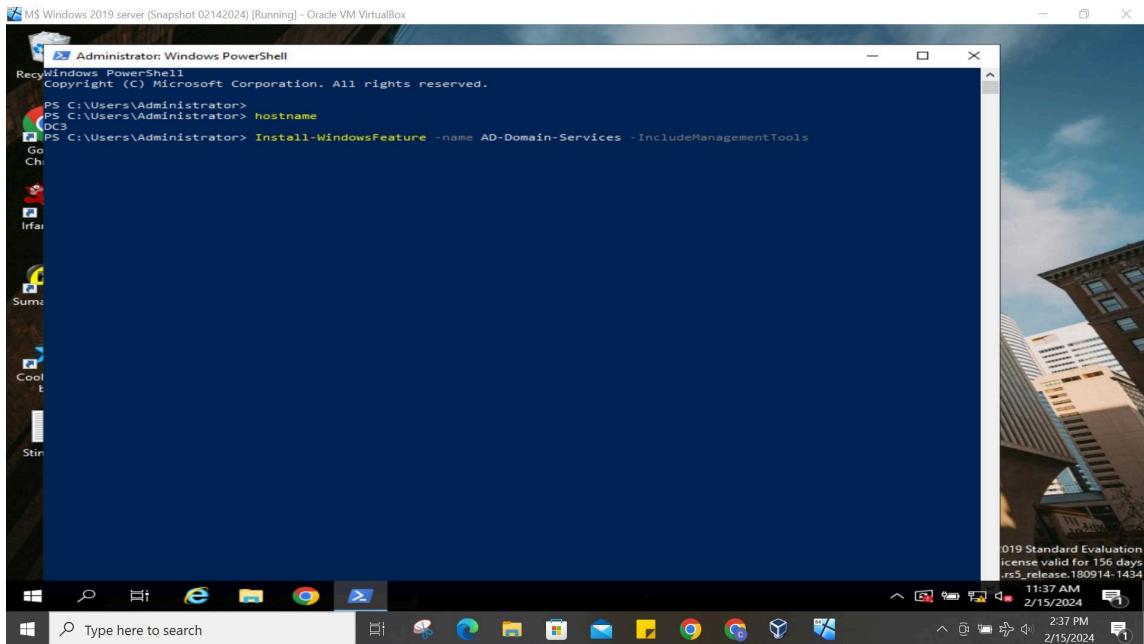
To check the name of the computer

Run: hostname

Install the Active Directory Domain Services role

Run: `Install-WindowsFeature -name AD-Domain-Services -IncludeManagementTools`

Running the cmdlet above will install AD Domain services, and include management tools
Active Directory Domain Services stores and organizes information about the people, devices
and services connected to a network.



Successful install:

A screenshot of a Windows Server 2019 desktop environment. The taskbar at the bottom shows icons for File Explorer, Task View, Edge browser, File Manager, and other system tools. A search bar is present on the taskbar. The desktop background features a photograph of a modern building. In the center, a PowerShell window titled "Administrator: Windows PowerShell" is open, showing command-line output for installing Active Directory Domain Services and ADDSForest. The status bar at the bottom right indicates the license is valid for 156 days, ending on 2/15/2024, and shows the time as 11:40 AM.

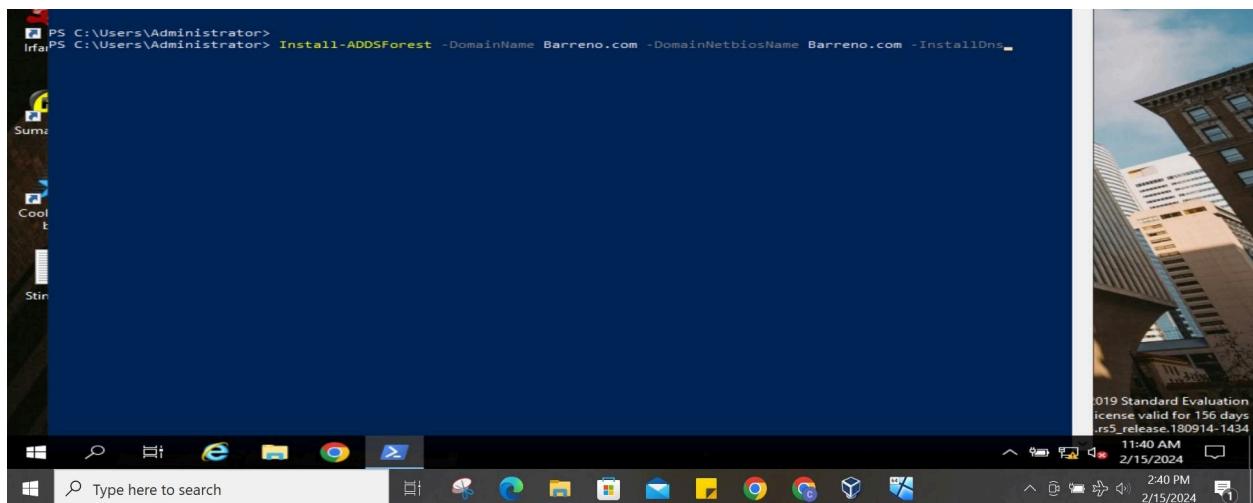
Configure the first domain controller in a new Active Directory forest

Run:

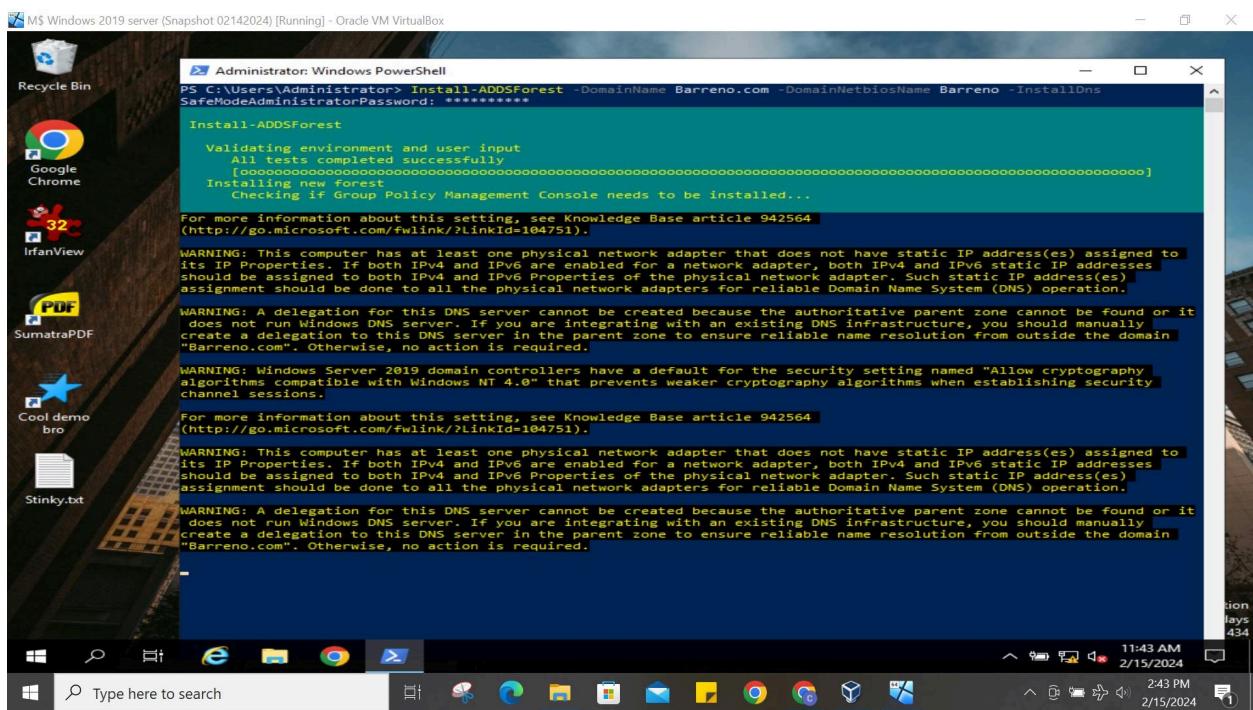
```
Install-ADDSForest _domainName Barreno.com -DomainNetbiosName Barreno.com -InstallDns
```

The Install-ADDSForest cmdlet installs an AD forest configuration.

The NetBIOS domain name is the subdomain of the Domain Name System domain name.



Installation Window



Server Manager Window

The screenshot shows the Windows Server 2019 Local Server properties and event logs in Oracle VM VirtualBox.

PROPERTIES for DC3

Computer name	DC3	Last installed updates	1/22/2024 7:00 AM
Domain	Barreno.com	Windows Update	Download update
		Last checked for updates	2/7/2024 9:00 AM
Windows Defender Firewall	Domain: On	Windows Defender Antivirus	Real-Time Protection Settings
Remote management	Enabled	Feedback & Diagnostics	On (UTC-08:00)
Remote Desktop	Enabled	IE Enhanced Security Configuration	00431-1000
NIC Teaming	Disabled	Time zone	
Ethernet	IPv4 address assigned by DHCP, IPv6 enabled	Product ID	
Operating system version	Microsoft Windows Server 2019 Standard Evaluation	Processors	Intel(R) Core
Hardware information	innotek GmbH VirtualBox	Installed memory (RAM)	11.5 GB
		Total disk space	39.46 GB

EVENTS
All events | 0 total

Filter	ID	Severity	Source	Log	Date and Time