

Windows Administration Project

Section 1

Installation and Configuration of Active Directory Domain Services (ADDS)

Objective

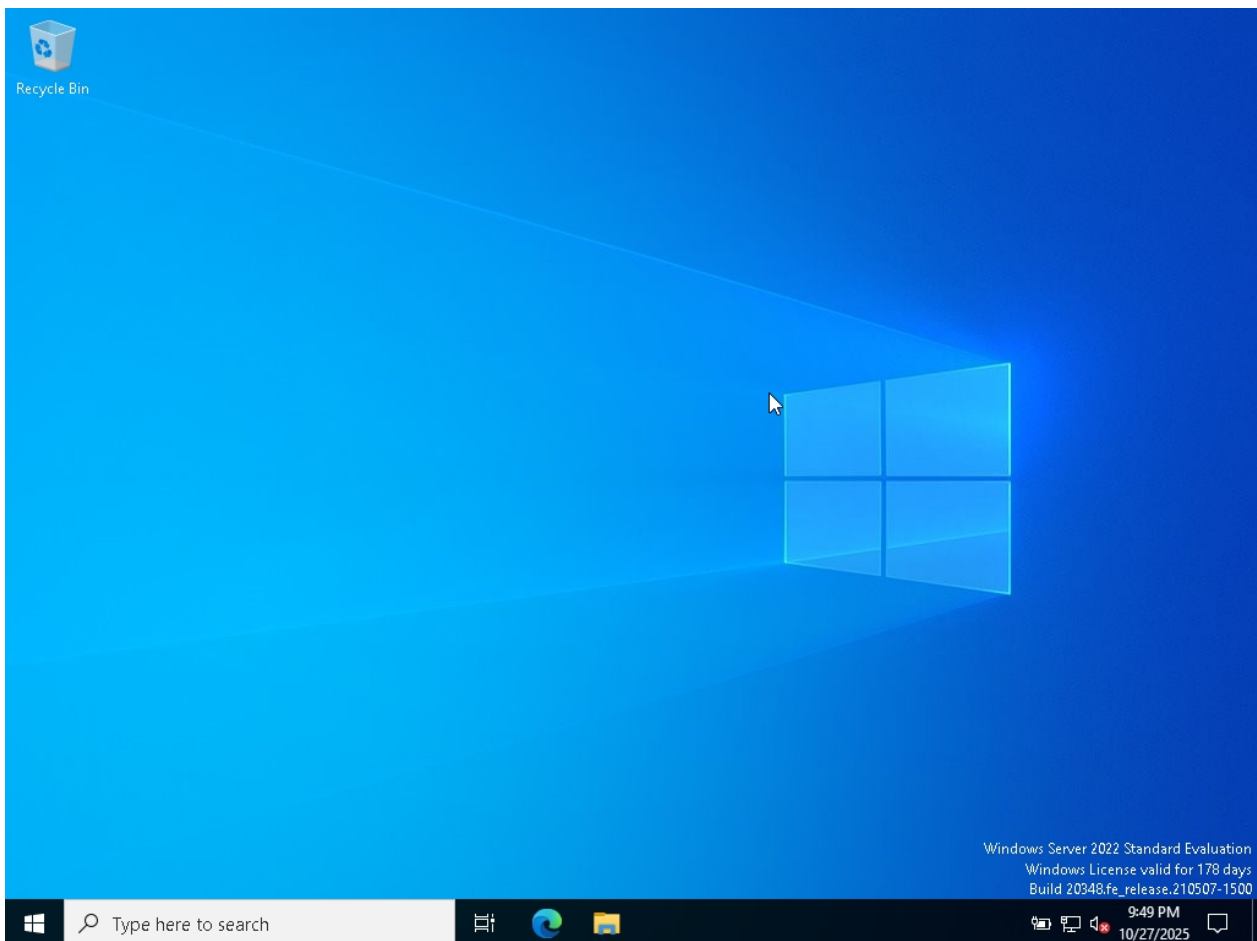
To install and configure **Active Directory Domain Services (ADDS)** on **Windows Server 2022**, promote the server to a **Domain Controller**, and verify the installation and available administrative tools.

Step-by-Step Procedure

1) Installing Windows Server 2022

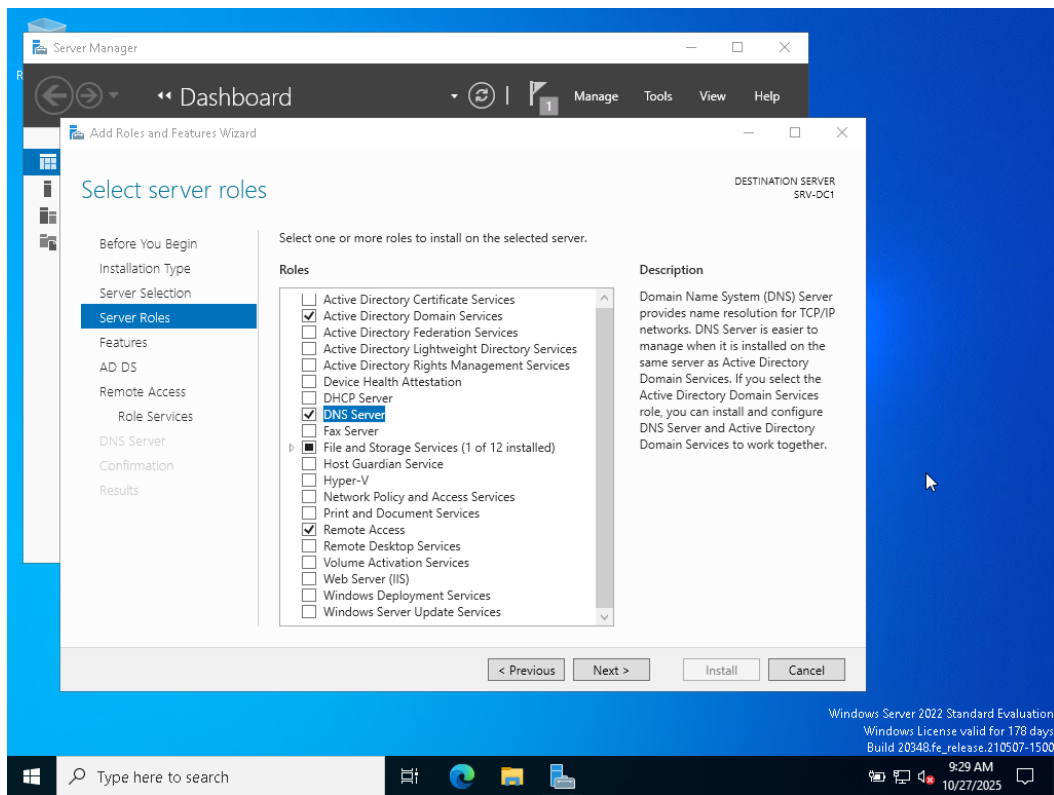
Windows Server 2022 was installed successfully using default installation settings.

After installation, the system booted up and logged in with the **Administrator** account to perform configuration.



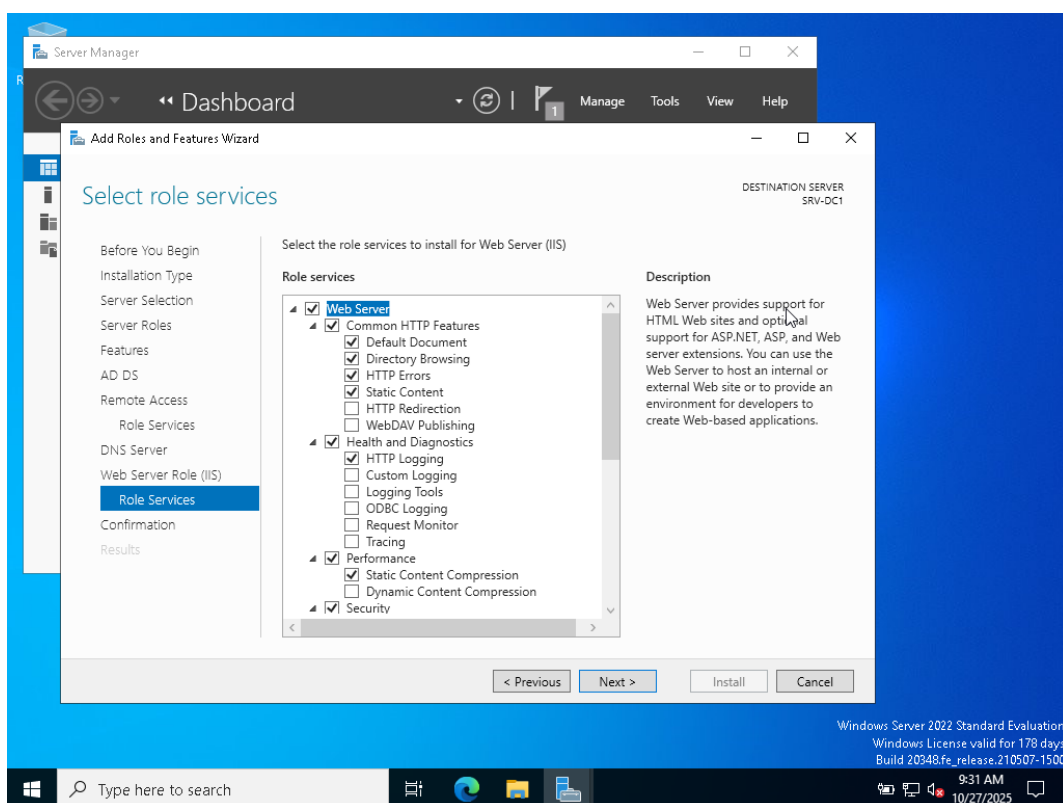
2) Installing ADDS from Server Manager

Opened **Server Manager** → Clicked **Add roles and features**.
Selected **Role-based** and chose the **local server**.



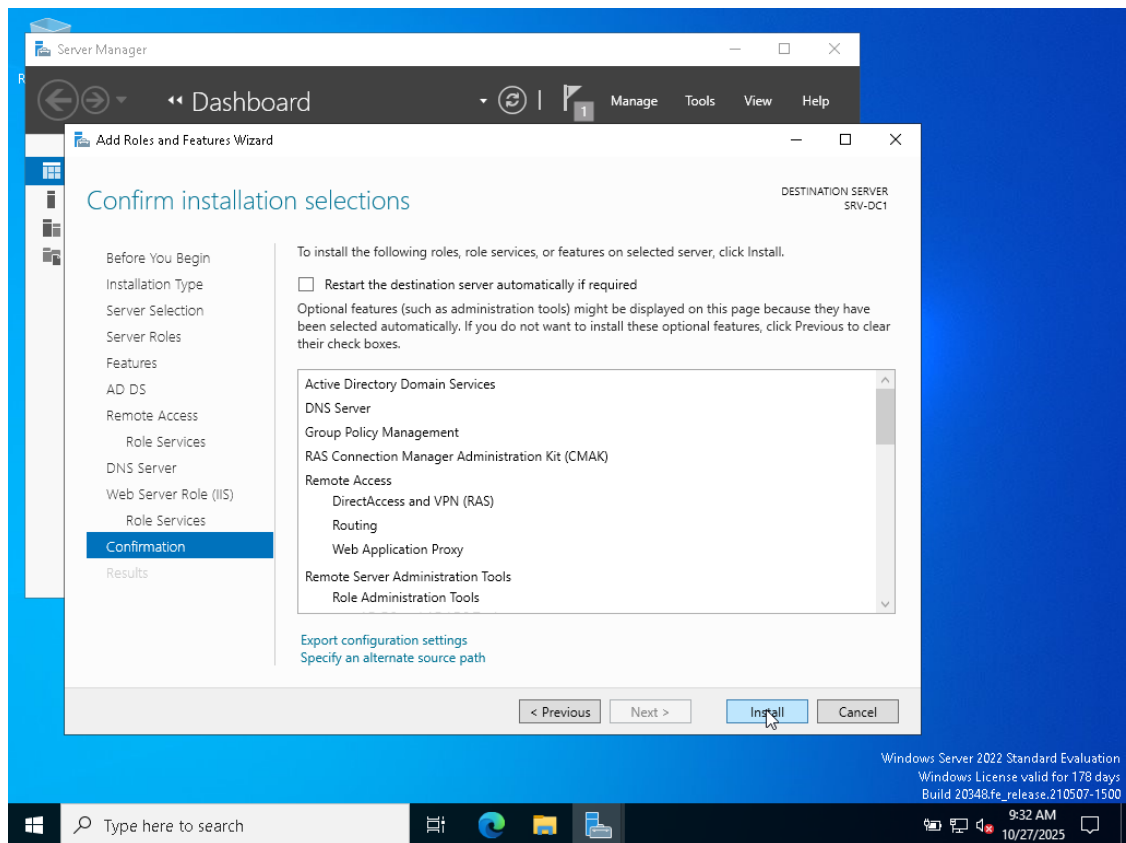
3) ADDS Role Services

From the list of server roles, selected **Active Directory Domain Services (ADDS)**.
Accepted automatically added dependent features and clicked **Next** to continue.



4) Confirmation Before Installation

Reviewed all selected options and clicked **Install** to begin the ADDS installation process.

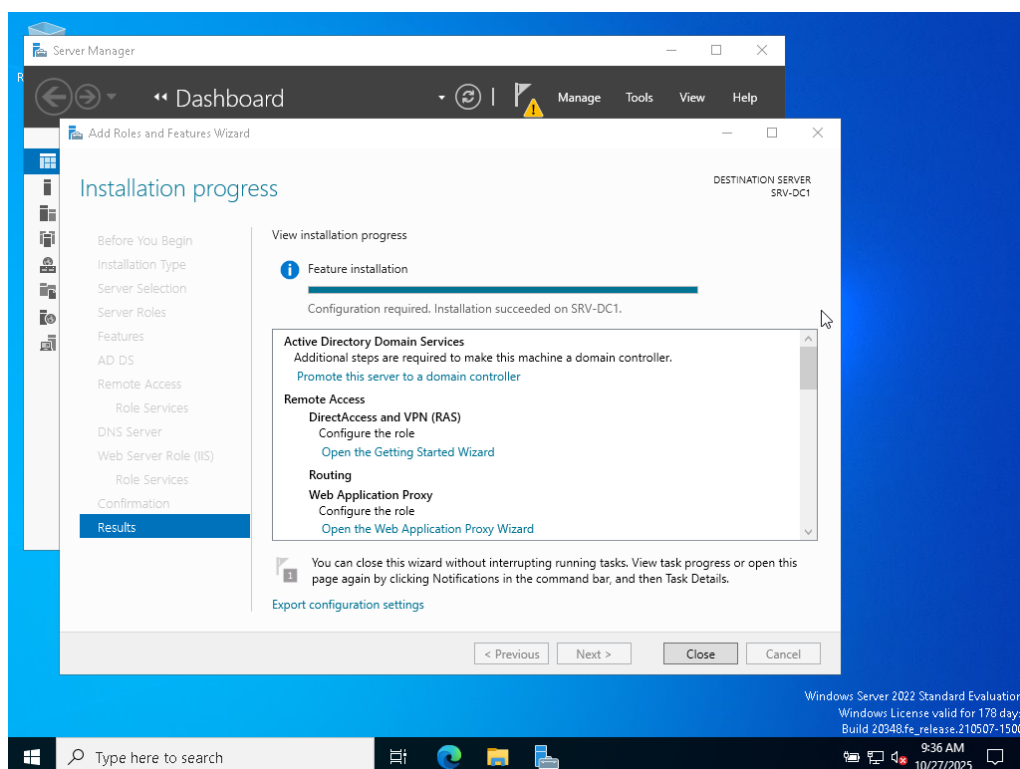


5) ADDS Installed Successfully

The installation progress was displayed.

After completion, a message confirmed:

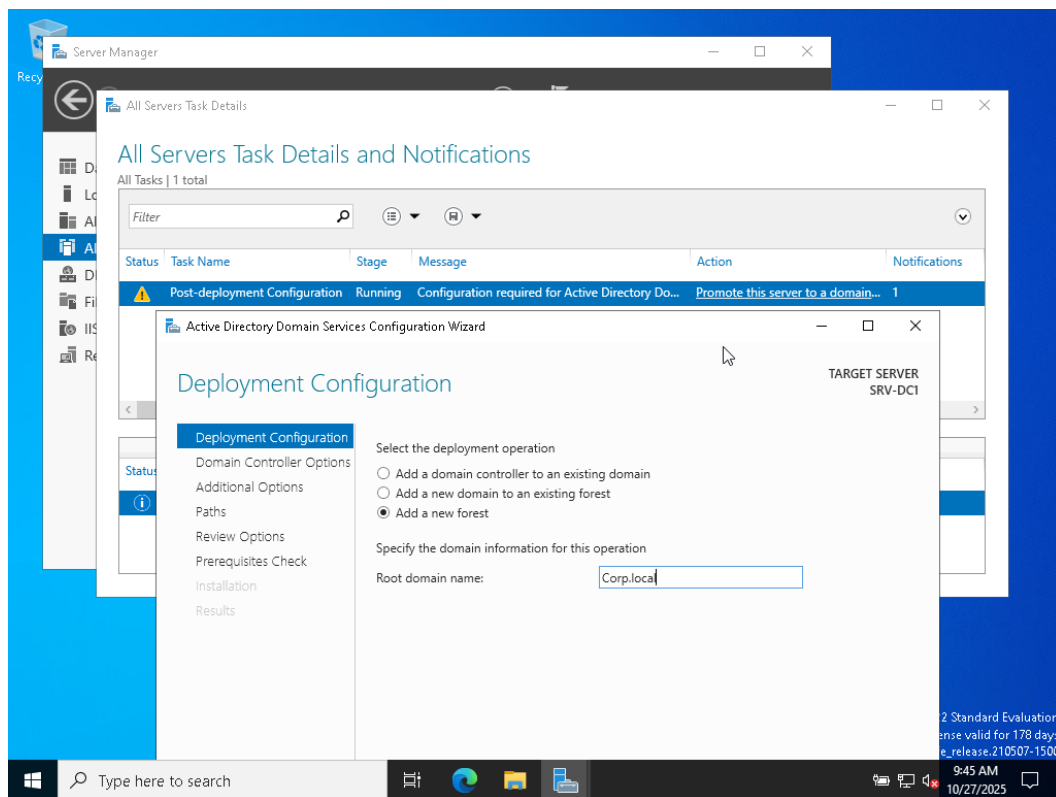
Active Directory Domain Services installation succeeded.



6) Creating a New Forest (corp.local)

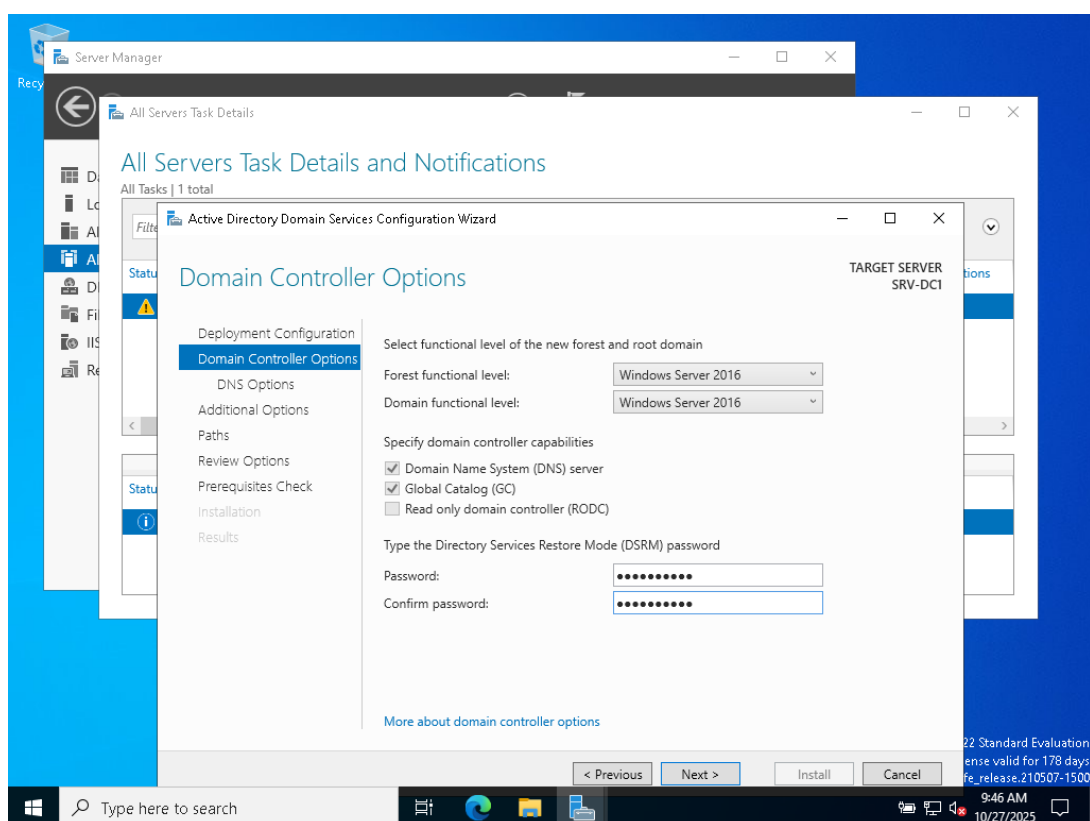
After installation, clicked the notification flag in Server Manager → Selected **Promote this server to a domain controller**.

Chose **Add a new forest** and entered the root domain name: Corp.local



7) Setting DSRM Password

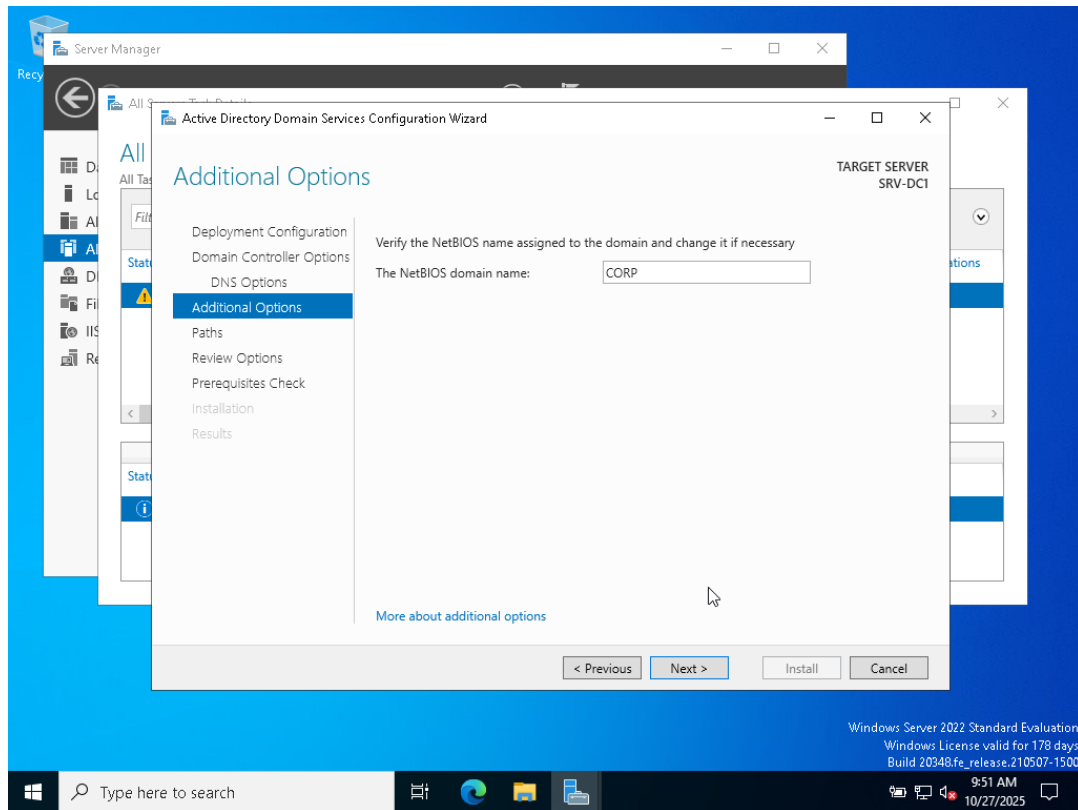
On the **Domain Controller Options** page, entered and confirmed the **Directory Services Restore Mode (DSRM)** password required for recovery operations.



8) Verifying NetBIOS Name Assigned to Domain

The setup automatically generated and displayed the **NetBIOS name** as: CORP

Verified the name and continued.

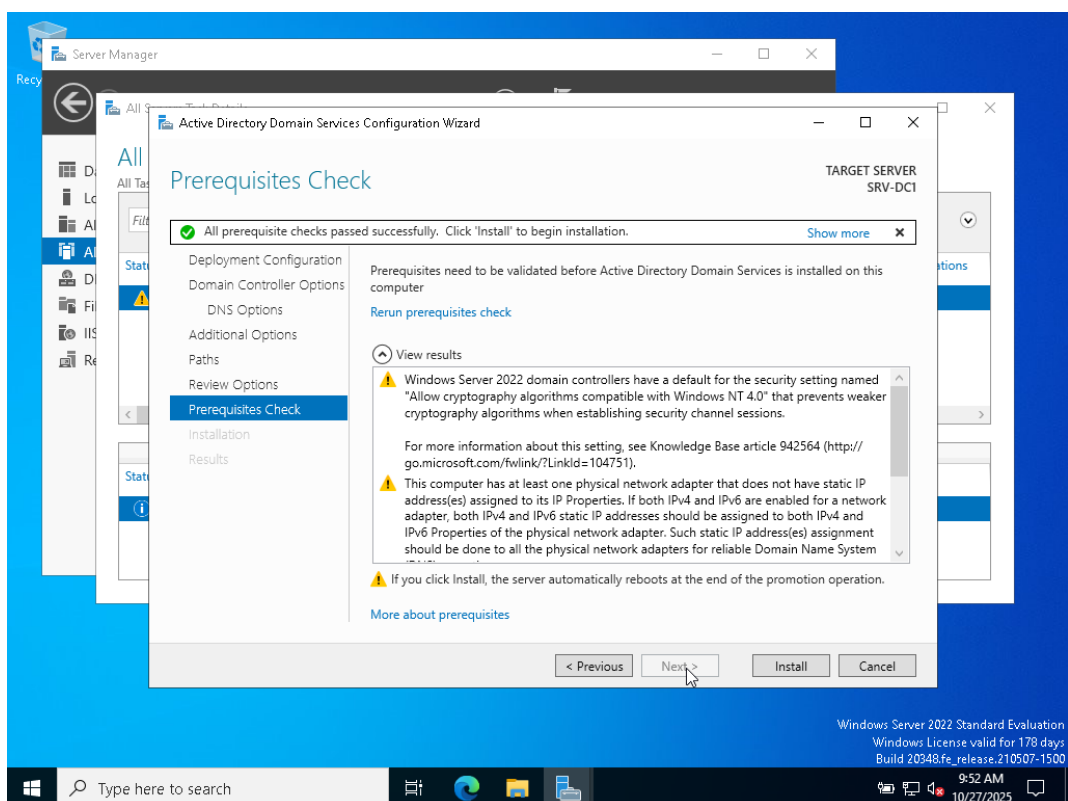


9) Prerequisite Check Passed and Installation

The system performed prerequisite checks to ensure all configurations were valid.

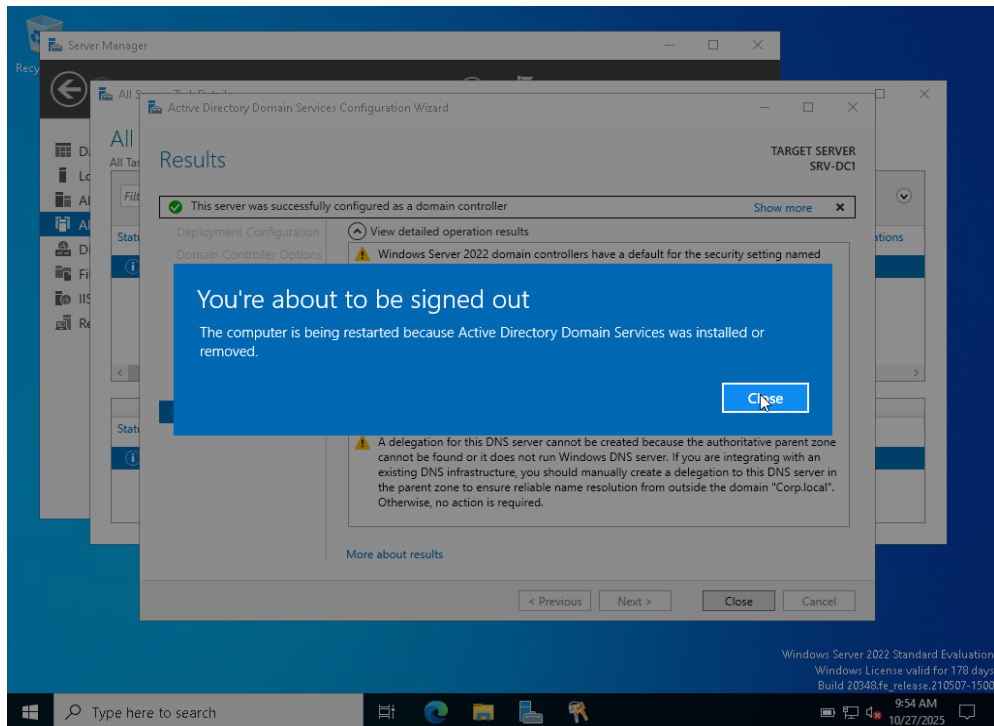
All checks passed successfully.

Clicked **Install** to start the domain promotion process.



10) Automatic Restart After Installation

After installation, the system automatically restarted to apply the domain controller configuration.

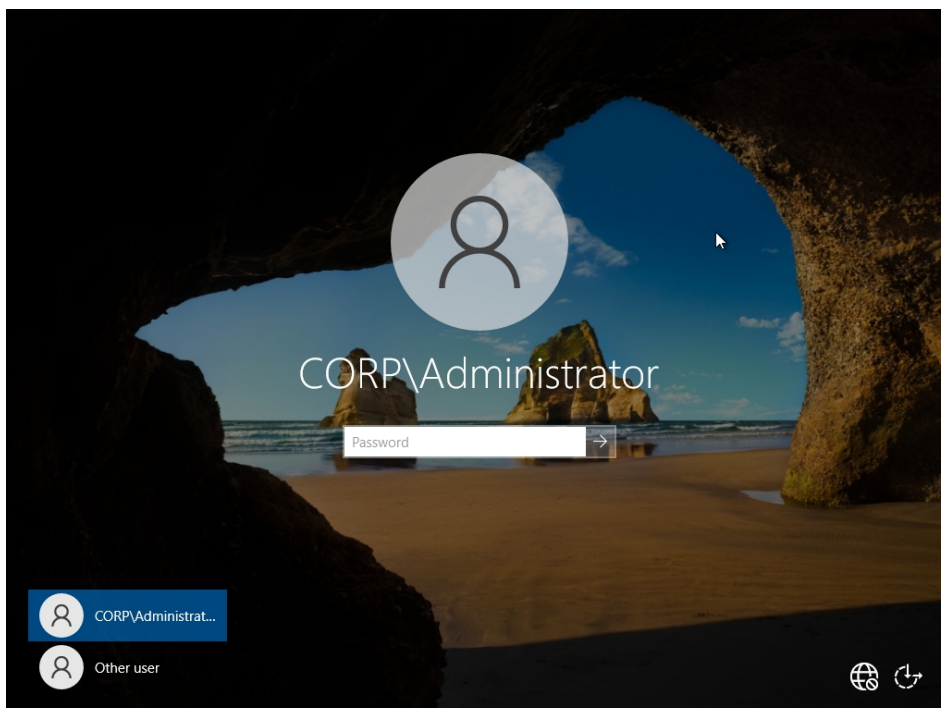


11) User Login Window After Restart

On reboot, the **login screen** displayed the updated domain:

CORP\Administrator

This confirmed that the server was successfully promoted to a **Domain Controller** for the corp.local domain.

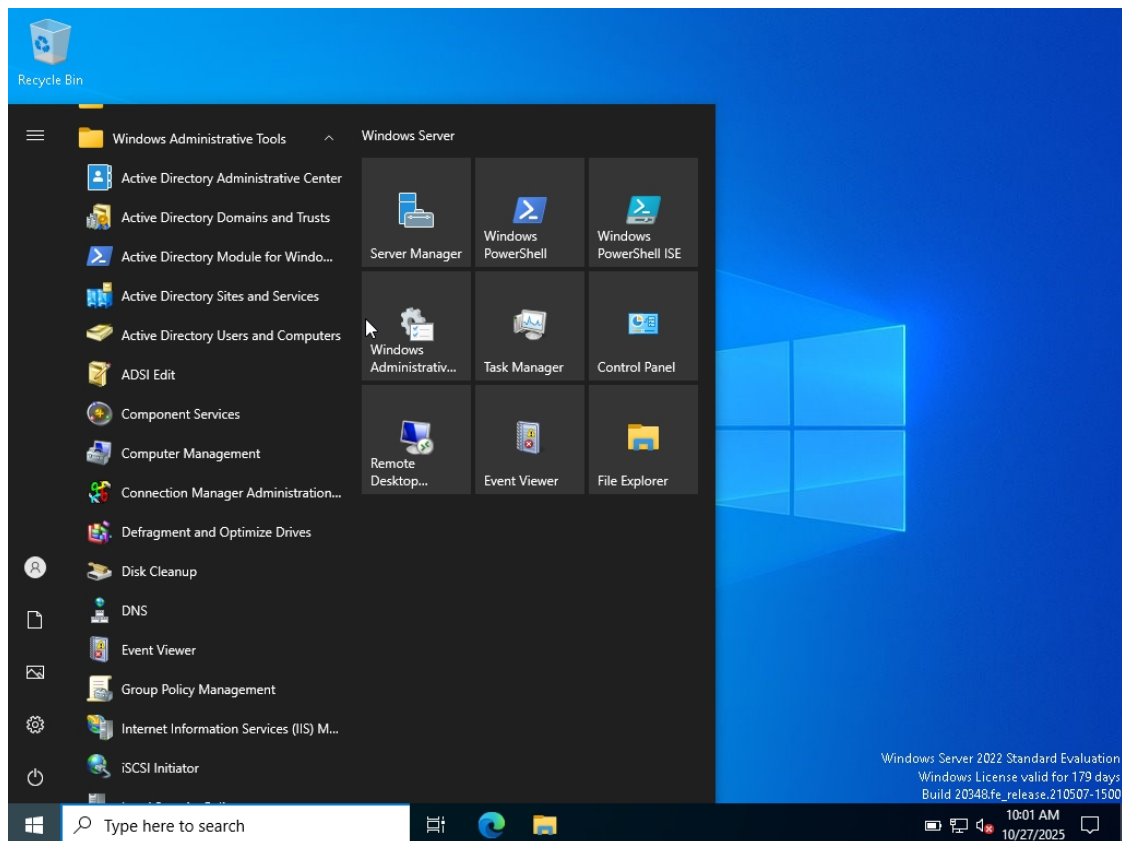


12) Checking Installed Services Under Windows Administrative Tools

After logging in, opened **Start** → **Windows Administrative Tools**.

Verified that the following tools were installed and available:

- Active Directory Users and Computers
- Active Directory Domains and Trusts
- Active Directory Sites and Services
- DNS Manager
- Group Policy Management



Result

The **Active Directory Domain Services (ADDS)** role was installed and configured successfully on **Windows Server 2022**.

A new forest and domain named **corp.local** were created, and the server was promoted as a **Domain Controller**.

All ADDS-related tools were verified under **Windows Administrative Tools**.

Conclusion

The configuration of **Active Directory Domain Services** was completed successfully. This forms the foundational step for the Windows Administration Project and sets up the environment for managing users, computers, and policies within the **corp.local** domain.