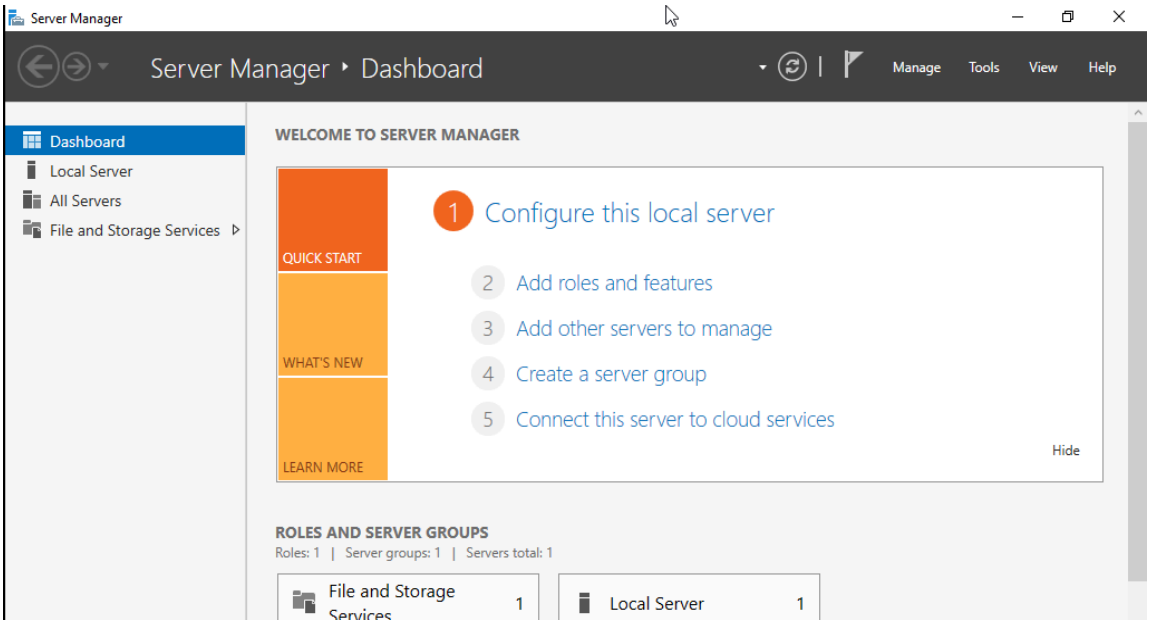
Configuring Windows Server 2022 as a Domain Controller

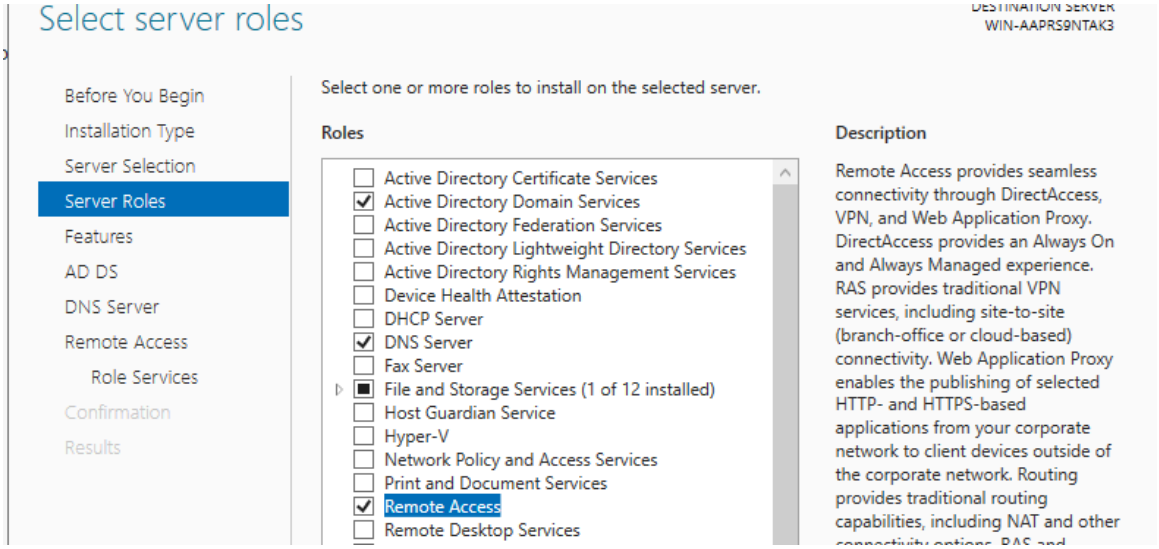
1. **Start the Installation Process:**
    - Log in to the server using the administrator as the username and the password.
    - The **Server Manager** should have automatically opened when we logged in. If not, open it from the Start menu.



    - Click on **Manage** in the top-right navigation bar, and then select **Add Roles and Features**. A new box will pop up.
    - Click **Next** on the "Before You Begin" screen.
    - On the **Installation Type** screen, we will leave the default, **Role-based or feature-based installation**, and click **Next**.
    - We will click **Next** on the **Server Selection** screen as well, ensuring our current server is highlighted.

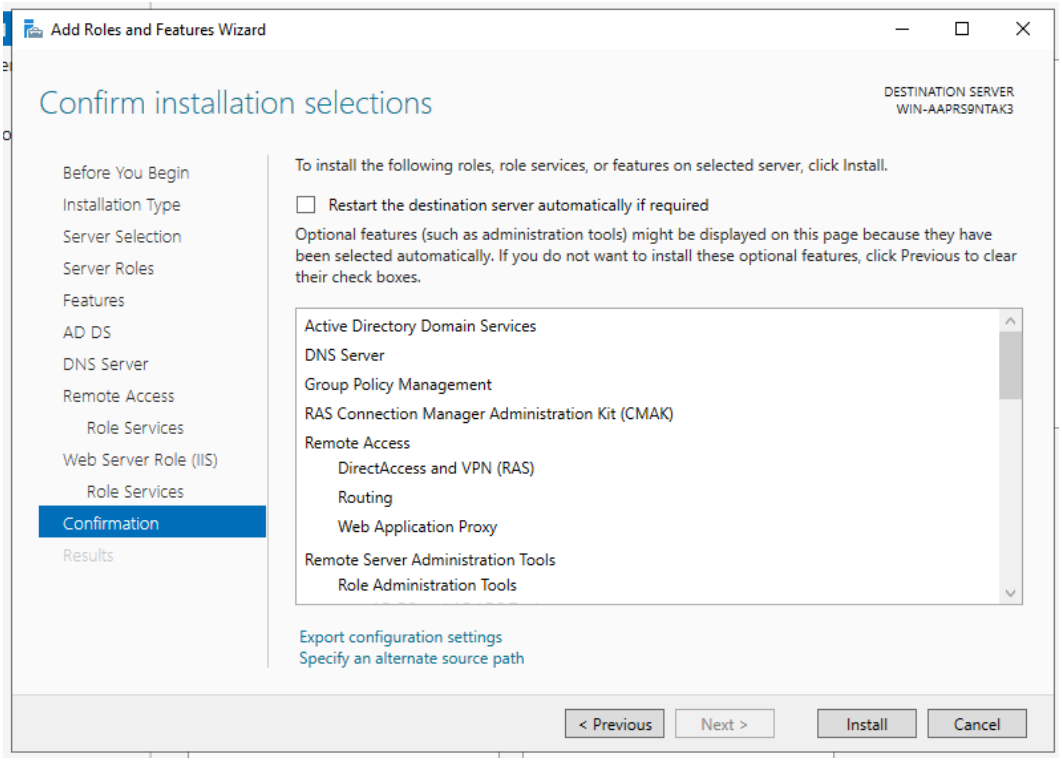
2. **Select Server Roles:**
    - In the **Server Roles** section, we must select the following roles:
        - **Active Directory Domain Services (AD DS)**. A new box will pop up; click **Add Features**.

        - **DNS Server**.
        - **Remote Access** (and anything else we might want later).
    - We will also expand the storage options: Click the arrow next to **File and Storage Services**, then the arrow next to **File and iSCSI Services**. We will check the box for **File Server Resource Manager** to help manage and classify data stored on file servers.

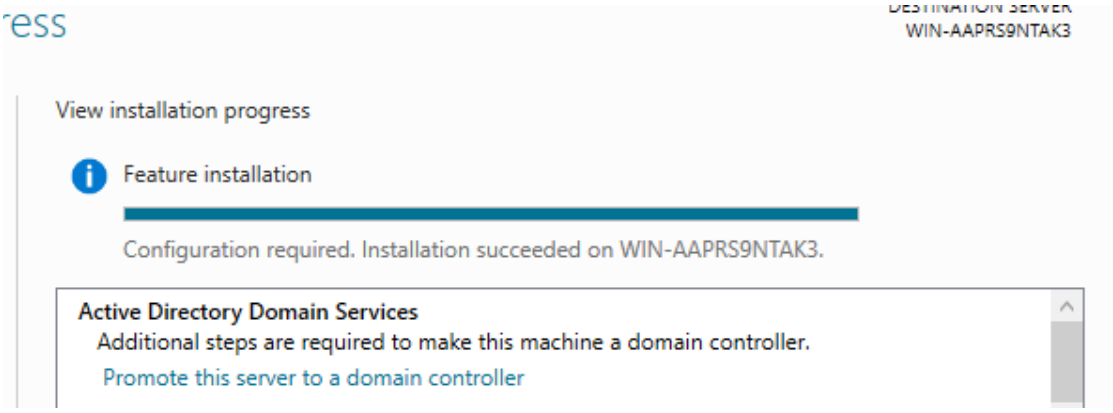


    - After selecting the necessary roles, click **Next**.

3. **Select Features and Confirmation:**
    - In the **Features** section, we will verify that **Group Policy Management** is already selected (it is included with AD DS). Click **Next**.
    - We will continue clicking **Next** on any following sections and select any necessary Role Services for Remote Access if we chose that role.
    - Finally, on the **Confirmation** section, we will click **Install**. (We will not check the "Restart the destination server automatically" box, as we have one final configuration step after the installation finishes.) The installation will take a few minutes.



4. **Promote the Server to a Domain Controller:**
    - Once the installation is complete, a yellow warning icon will appear next to the **Manage** menu. Click on it, and then click **Promote this server to a domain controller**.



    - This is a critical step because we are building this environment from scratch and do not have an existing domain controller.

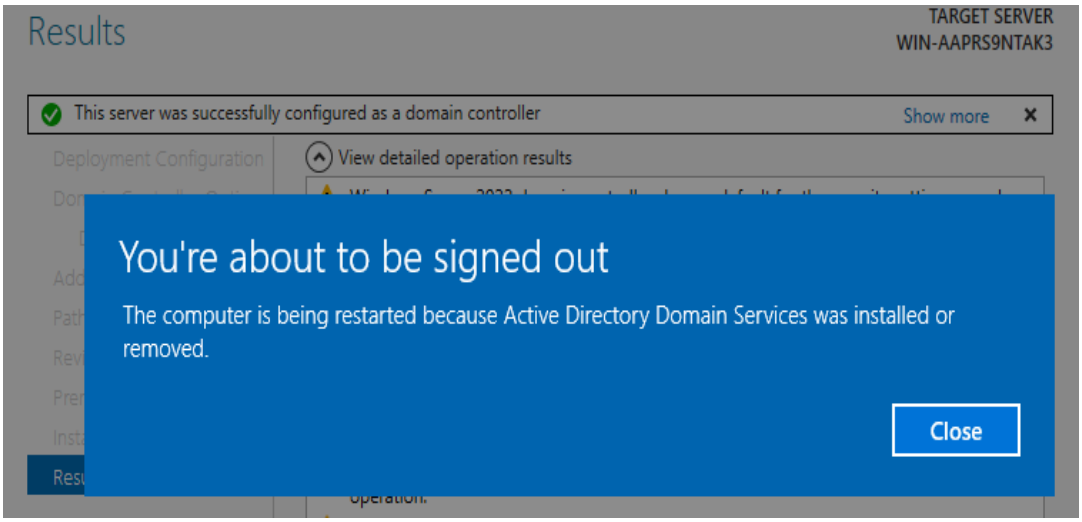
5. **Configure the Deployment:**
    - The **Deployment Configuration** box will pop up. Here, we must select **Add a new forest**.
    - We will create a **Root domain name**. For our local domain, we will name it **poudelsta.local** and click **Next**.

6. **Set Domain Options and Password:**
    - We will select the **functional level** of the new forest and root domain. We should choose the latest available (typically **Windows Server 2016** or higher, depending on the current version).
    - We must also type a strong password for the **Directory Services Restore Mode (DSRM)**.
    - Click **Next**. We can click **Next** again on the DNS Options screen.

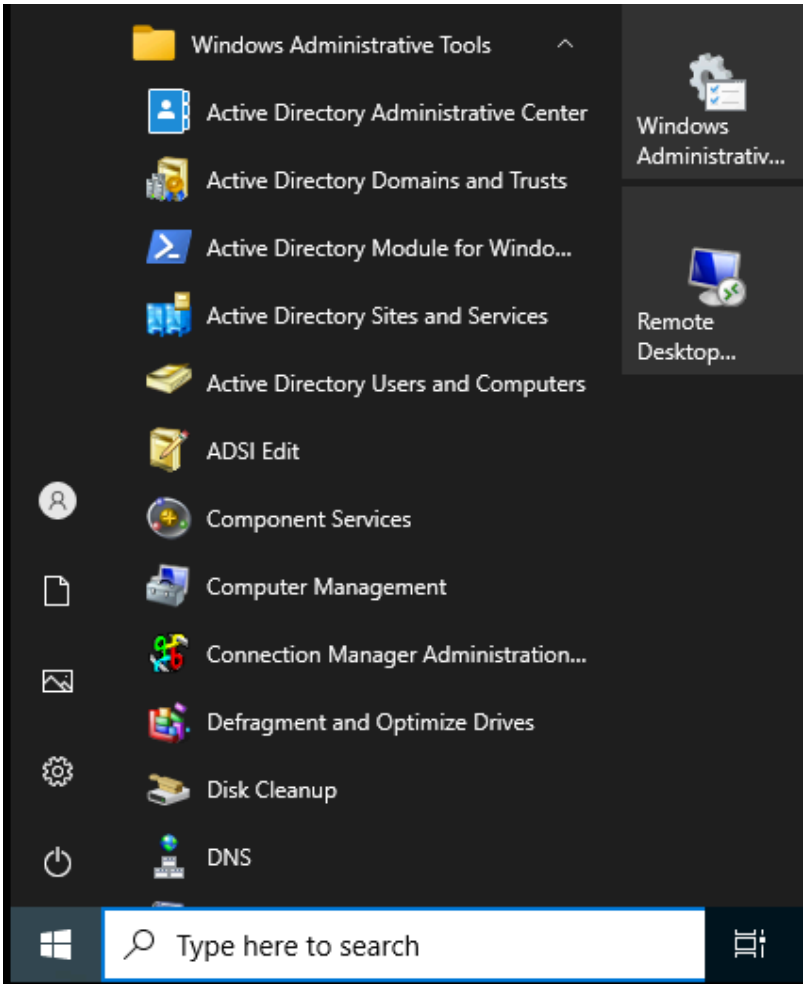
7. **Final Configuration Steps:**
    - On the **Additional Options** screen, it will take a few seconds, and then we should see our proposed NetBIOS domain name (e.g., **POUDELSTA**). Click **Next**.

    - We will continue clicking **Next** for the next few sections (Paths and Review Options).

- On the **Prerequisites Check** screen, the system will verify all prerequisites for domain controller operations. This will take a few seconds, and if everything passes, we will be allowed to install.
- Click **Install**. The installation process will take several minutes to complete, and the server will **automatically reboot** afterward.



8. **Verify Domain Controller Installation:**
   - After the server reboots, we will log in using the domain administrator account (**POUDELSTA\Administrator**).
   - Click on the Start menu. We can now see the **Windows Administrative Tools** folder. Inside it, we can verify the installation of tools like **Active Directory Users and Computers**, **DNS**, and **Group Policy Management**.


Windows Administrative Tools
Active Directory Administrative Center
Active Directory Domains and Trusts
Active Directory Module for Windo...
Active Directory Sites and Services
Active Directory Users and Computers
ADSI Edit
Component Services
Computer Management
Connection Manager Administration...
Defragment and Optimize Drives
Disk Cleanup
DNS
Windows Administrativ...
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