**Lab-7: Install & Configure FTP Server on Windows Server 2019**

**Lab Objectives**

* Install and configure an FTP Server on Windows Server 2019.
* Access the FTP server using FileZilla - FTP Client.
* Access the FTP server without using an FTP Client – Directly from Windows File Explorer.

**Lab Topology**

**Machine Number Host Name Role RAM Domain/IP**

1. IT2-DC01 AD DS, DNS, DHCP 2 GB NORTHERNCOLLEGE.LOCAL
2. IT2-FTP01 FTP Server 2 GB NORTHERNCOLLEGE.LOCAL
3. Win10-CL01 Client Machine 2 GB Auto/DHCP

**Lab Tasks and Required Screenshots**

* 1. **Hardware Configuration Verification (4 points)**
     + Take a screenshot of the hardware configuration for all three machines. (**Screenshot 1**) A screenshot of a computer

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  2. **User Account Creation (3 points)** o Create **User05**: Password@123
     + Take a screenshot showing the created user. (**Screenshot 2**) A computer screen shot of a computer

       AI-generated content may be incorrect.
  3. **User Login Verification (3 points)** o Log in with **User05** on **Win10-CL01**. o Run the whoami command and capture the output. (**Screenshot 3**) A computer screen shot of a computer screen

     AI-generated content may be incorrect.
  4. **Organizational Unit (OU) Assignment (3 points)** o Move:
     + - **Win10-CL01** to Canada -> Workstations
       - **IT2-FTP01** to Canada -> Servers o Take a screenshot showing the assignments. (**Screenshot 4**) A computer screen shot of a computer

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* 1. **IT2-FTP01 Basic Configuration (5 points)** o Configure **IT2-FTP01**:

1. IPv4 settings
2. Disable **Internet Explorer Enhanced Security Configuration**
3. Rename the machine to **IT2-FTP01**
4. Add the machine to **NORTHERNCOLLEGE.LOCAL**

o Take a screenshot of these settings. (**Screenshot 5**) A screenshot of a computer

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* 1. **Install FTP Services (5 points)** o Install the **Web Server (IIS) role**.
     + Under **Web Server Role (IIS) → Role Services**, install **FTP Service**.
     + Take a screenshot of the successful installation page. (**Screenshot 6**) A screenshot of a computer

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  2. **Create FTP Root Directory (2 points)** o Create a folder in \**C:\** named **FTP-root**. o Take a screenshot showing the folder. (**Screenshot 7**) A screenshot of a computer

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  3. **Create a Security Group (2 points)** o Create a new **security group** under Canada -> Groups -> FTP-Access. o Add **User01 to User05** to this group. o Take a screenshot showing the group and users. (**Screenshot 8**) A screenshot of a computer

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  4. **Verify IIS Installation (3 points)** o Open a web browser and navigate to http://localhost.
     + Take a screenshot of the IIS welcome page. (**Screenshot 9**) A computer screen shot of a computer

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  5. **Create FTP Site (5 points)** o Create an FTP site with the following configuration:
     + - **Site Name**: FTP-Main
       - **Path**: C:\FTP-root
       - **SSL**: No SSL
       - **Authentication**: Basic
       - **Authorization**: Specified roles or user groups
       - **Group Name**: FTP-Access A screenshot of a computer

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  6. **Permission**: Read and Write o Take a screenshot of the configuration. (**Screenshot 10**) **Install FileZilla FTP Client on Win10-CL01 (2 points)**
  7. o Download and install **FileZilla FTP Client** from: [FileZilla Download Link](https://download.filezilla-project.org/client/FileZilla_3.68.1_win64_sponsored2-setup.exe) o Take a screenshot showing the successful installation. (**Screenshot 11**) A screenshot of a computer

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  8. **Verify FTP Server using FileZilla FTP Client (5 points)** o Login using **Host, Username, Password** in FileZilla.
     + Create a folder and inside it, create a text file with the same name. o Verify file creation in **IT2-FTP01 -> C:\FTP-root**.
     + Take a screenshot of both the FileZilla client and the FTP-root folder. (**Screenshot 12**) A computer screen shot of a computer

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  9. **Verify FTP Server without Using an FTP Client (6 points)** o Add **FTP Network Location** in Windows Explorer. o Complete all required steps. o Create a new file named **test.txt** inside the FTP folder. o Verify file creation in **IT2-FTP01 -> C:\FTP-root**. A screenshot of a computer

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     + Take a screenshot showing the network location and created file. (**Screenshot 13**) A screenshot of a computer

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