

JBL LAB3: Configuring Windows File System Permissions

Lab #3 Screen Captures

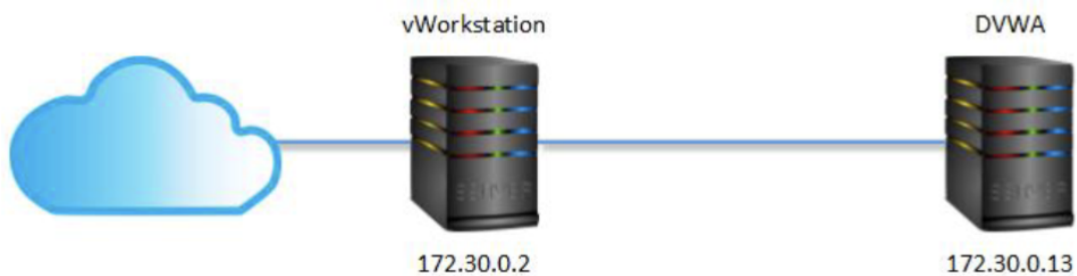
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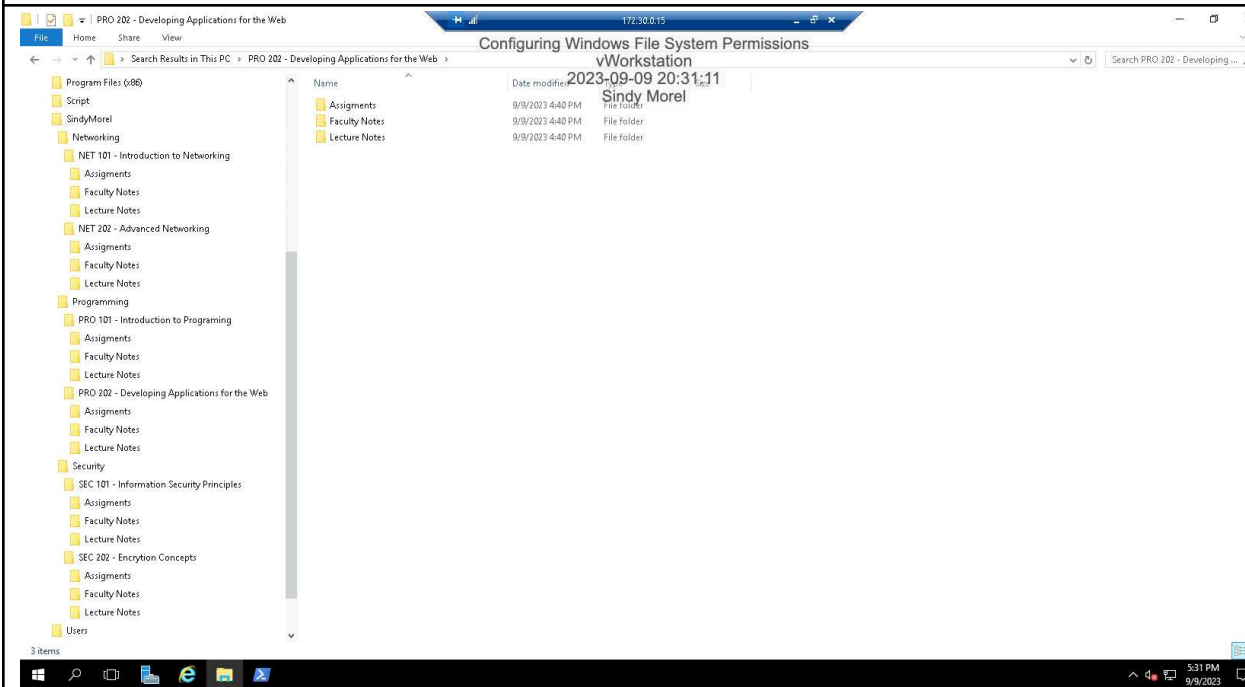
Topology

This lab contains the following virtual devices. Please refer to the network topology diagram below.

- vWorkstation (Windows Server 2016)
- DVWA (Debian Linux)

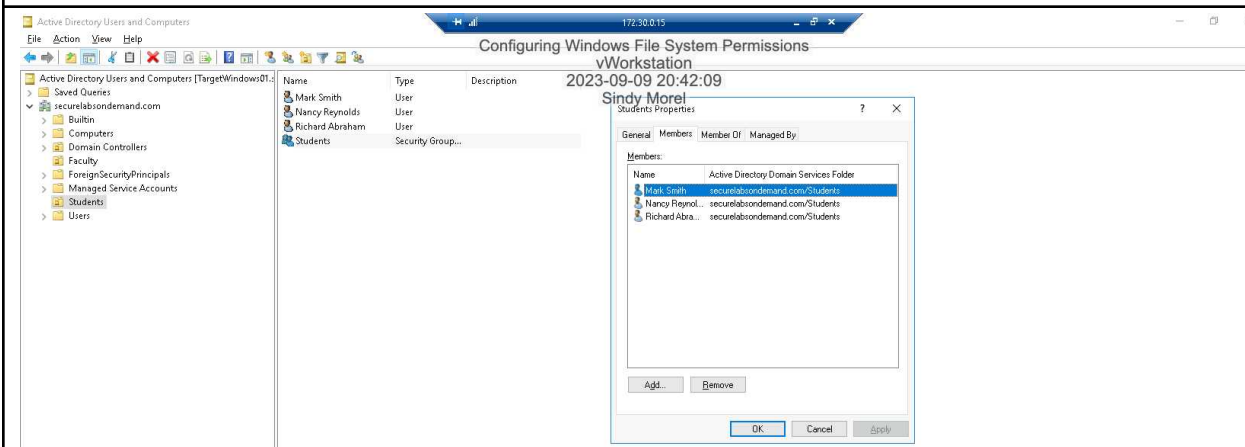


Part 1: Setting Up Necessary Folders

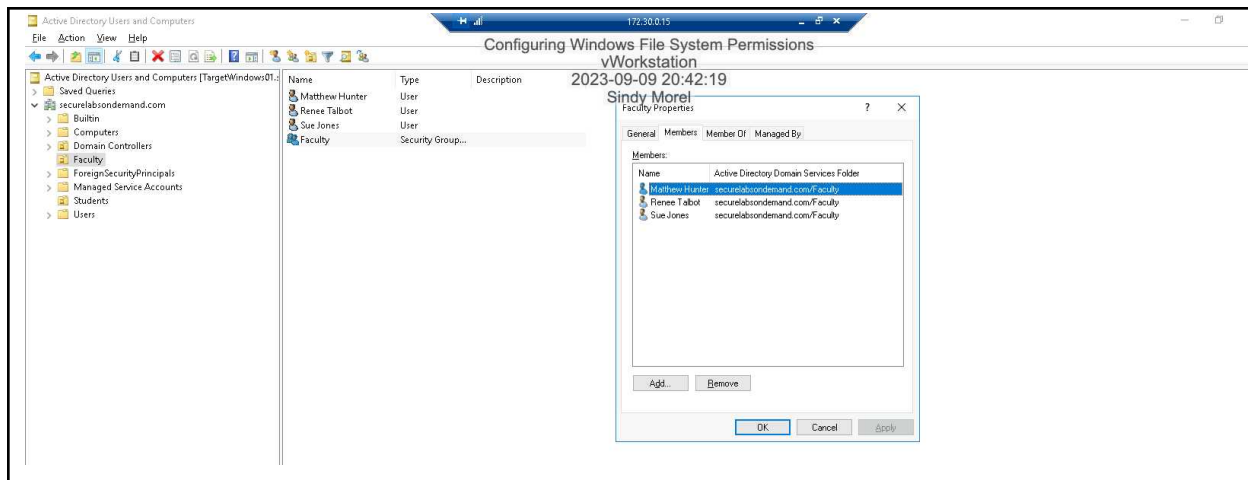


Listed course folders with sub folders for assignments, faculty notes and lecture notes.

Part 2: Create Security Groups

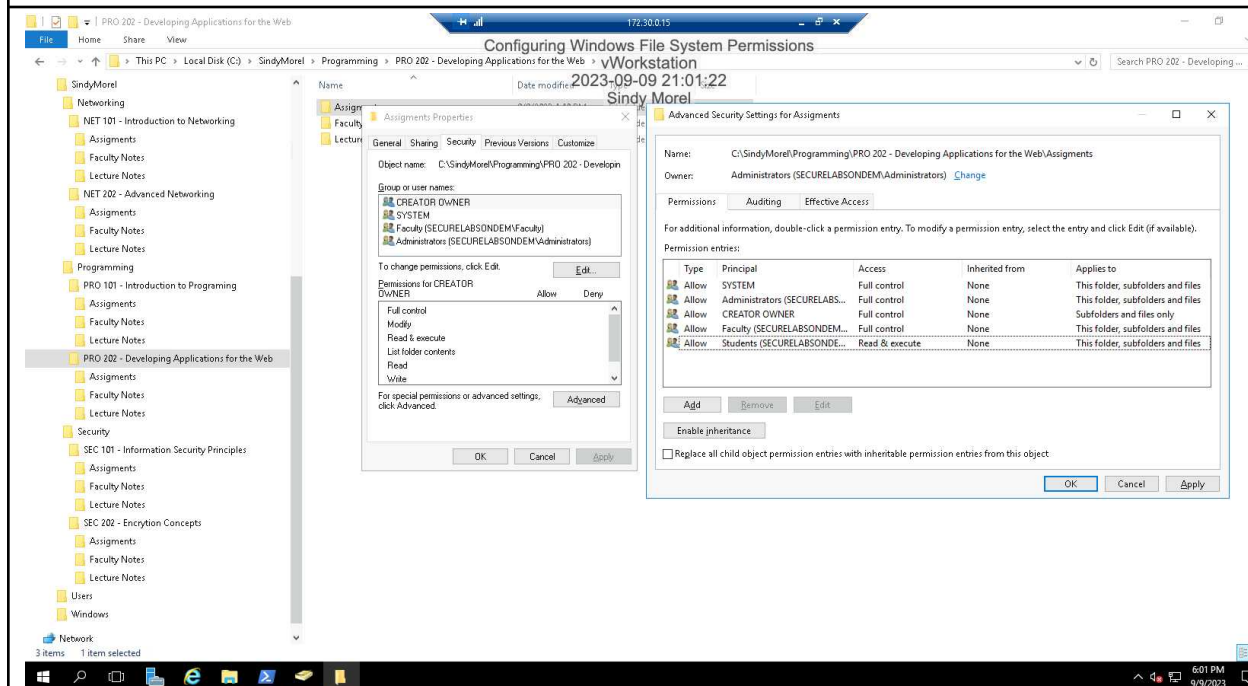


Student group created.



Faculty Group Created

Part 3: Set Group Permissions on Folders



Faculty & Students groups added to Permissions.

The image displays two screenshots of a Windows File Explorer window titled "Configuring Windows File System Permissions" for the folder "PRO 202 - Developing Applications for the Web". The folder path is "C:\SindyMorel\Programming\PRO 202 - Developin". The folder contains subfolders: "Assignments", "Faculty Notes", and "Lecture Notes".

The first screenshot shows the "Assignments Properties" dialog box with the "Security" tab selected. The "Group or user names" list includes "Students (SECURELABSONDEM\Students)", "Faculty (SECURELABSONDEM\Faculty)", and "Administrators (SECURELABSONDEM\Administrators)". The "Permissions for Students" table shows the following permissions set to "Allow":

Permissions for Students	Allow	Deny
Full control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Modify	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read & execute	<input checked="" type="checkbox"/>	<input type="checkbox"/>
List folder contents	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The second screenshot shows the same dialog box with the "Faculty" group selected. The "Permissions for Faculty" table shows the following permissions set to "Allow":

Permissions for Faculty	Allow	Deny
Full control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Modify	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read & execute	<input checked="" type="checkbox"/>	<input type="checkbox"/>
List folder contents	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Both screenshots show the "OK" button highlighted, indicating the permissions are being applied.

Permissions set for Faculty and Students group.

Rationale:

1. **Top-Level Structure:** The top-level folder is named "Sindy Morel" to represent the root. Under this folder, we have separate subfolders for each course: Networking, Programming, and Security. This structure helps keep the content organized and easily accessible.
2. **Departmental Subfolders:** Each course has its own subfolder containing subjects within the course to further categorize the course's materials.
3. **Course Folders:** Within each subfolder, there are subfolders for each course offered. These course folders are named according to the course code and title (e.g., NET101 - Introduction to Networking). This makes it clear which course each folder belongs to.
4. **Content Subfolders:** Each course folder contains three subfolders: Lecture Notes, Faculty Notes, and Assignments. These subfolders are where the specific course materials are stored.
5. **Access Control:** Access control permissions are set to ensure that faculty members have full control (modify, read and write access) to all folders, while students have execute, read-only, and list access to the Lecture Notes and Assignments folders. This ensures that faculty can manage and update the content while students can only view the relevant materials.

This folder structure is logical, organized, and aligns with the requirements of providing access to faculty and students with the necessary permissions. It allows for easy management and access to course materials for each department and course within Acme Technical Institute.