ITSA1001: Server Administration Fundamentals

WEEK 8 PRACTICAL: ADMINISTERING ACTIVE DIRECTORY USERS and GROUPS

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Your assignment task for this week

- Record date, time
- Record all configuration updates you have made to the server during this practical task.
  - Add screen shots to highlight the changes.
  - The screenshot should show your name/student ID
- Report any errors/warnings from the event viewer
- Record the server status at the time you have done everything e.g. running normally or any observable issues.

Prerequisites

- Completion of the Week 5 practical tasks, in particular the creation of a storage pool, and a virtual volume.

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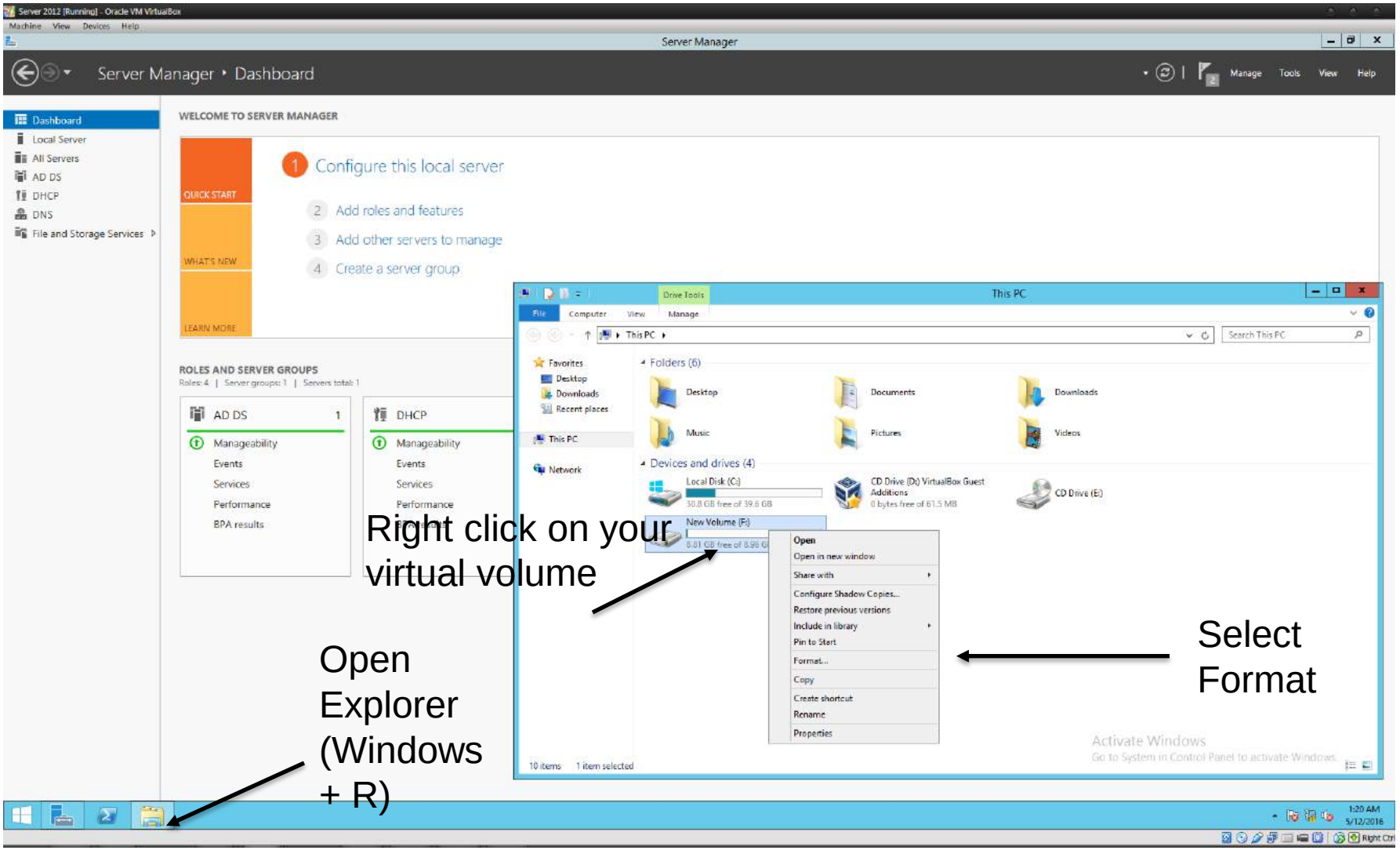
Create shared volume



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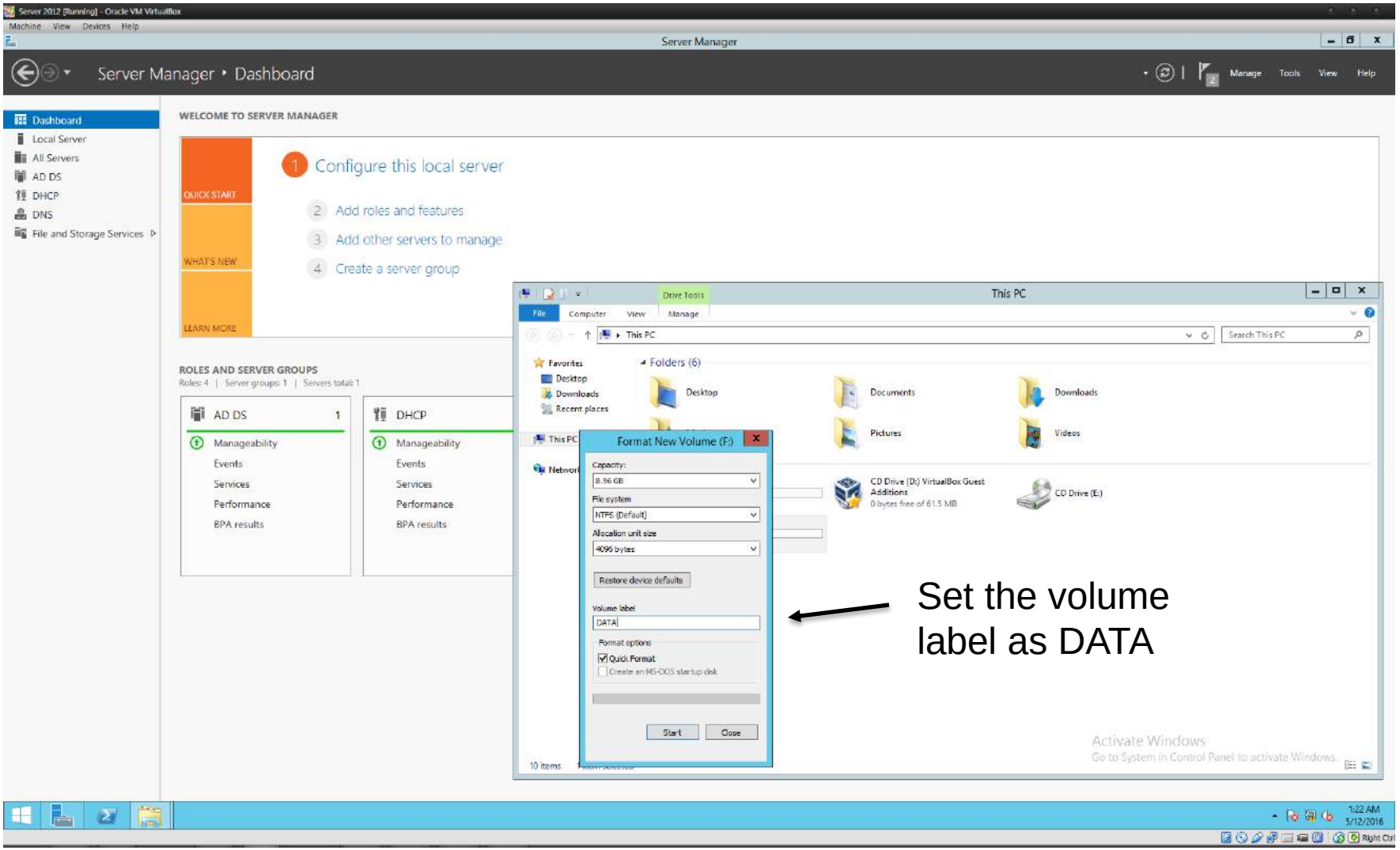
Format shared volume



Set the volume label as DATA

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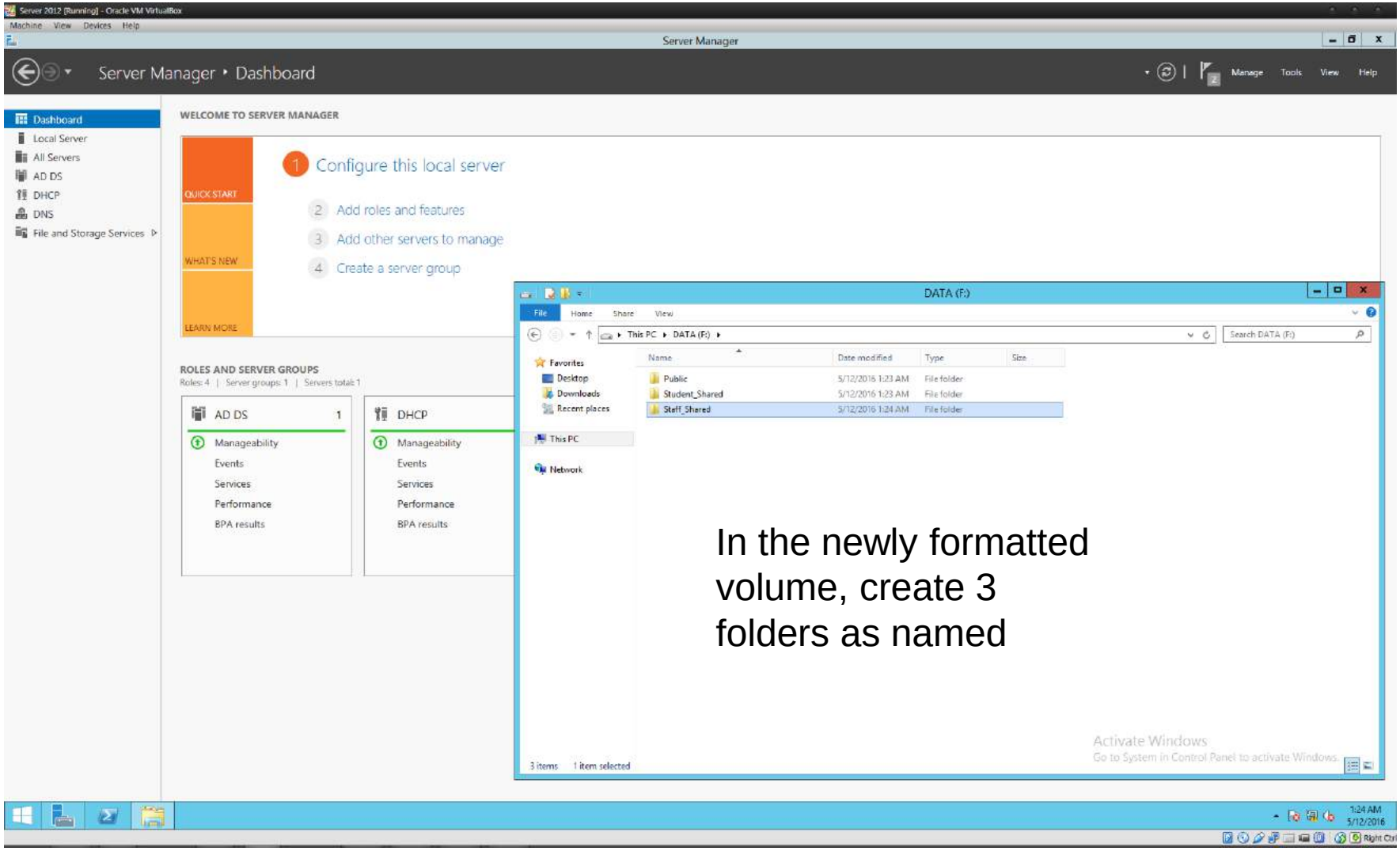
Create shared folders



In the newly formatted volume, create 3 folders as named

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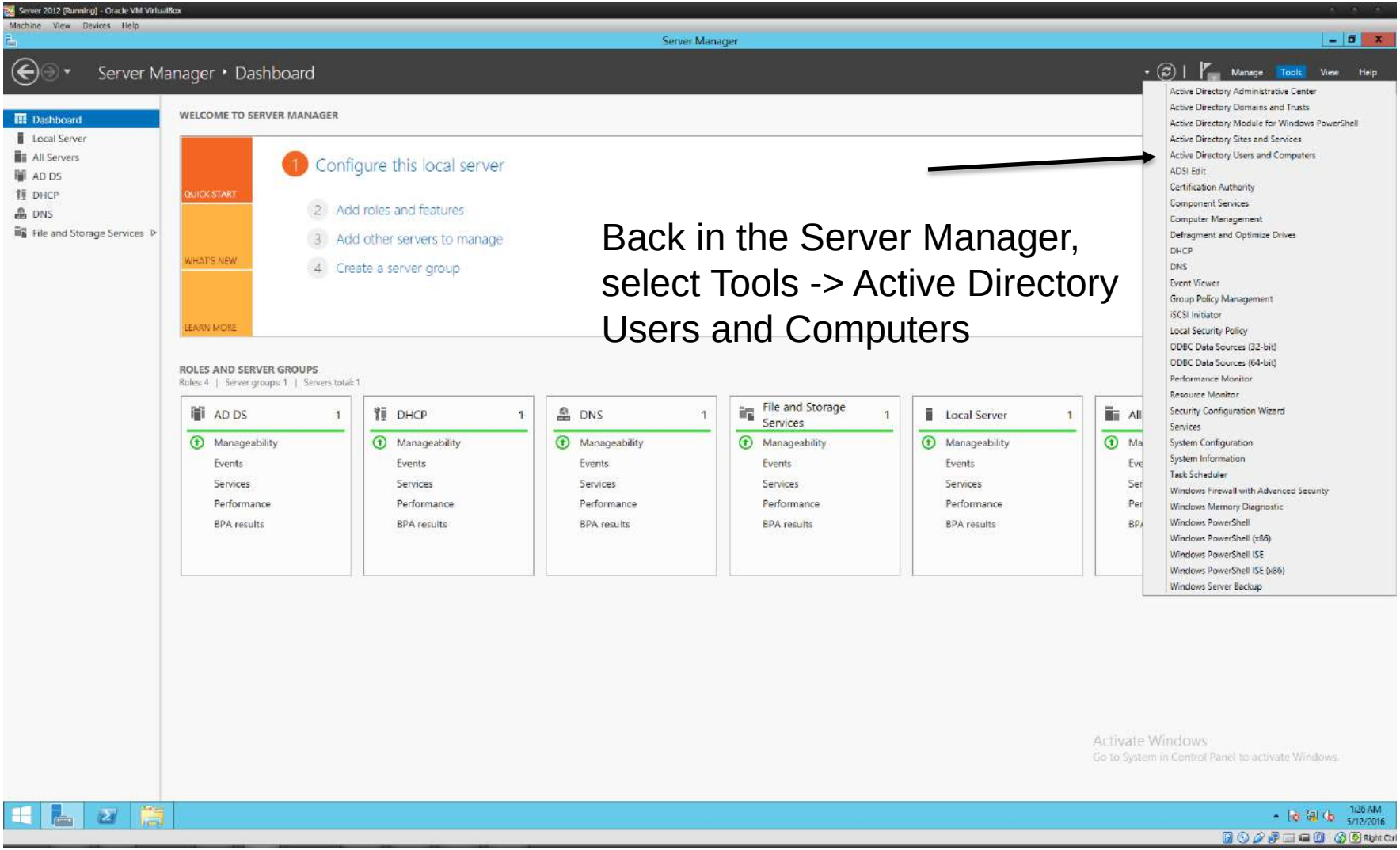
Create users and groups



Back in the Server Manager, select Tools -> Active Directory Users and Computers

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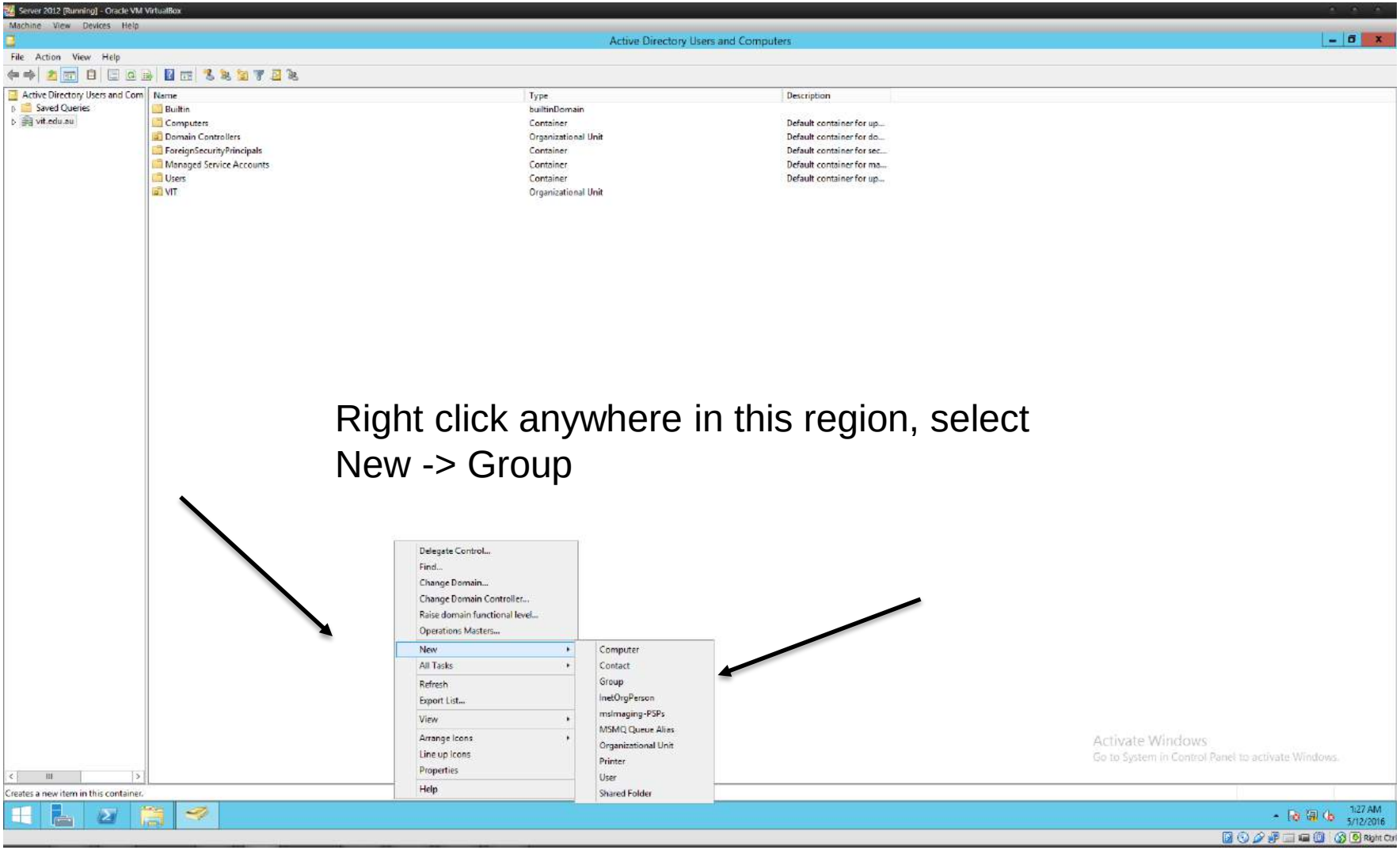
Create group for staff



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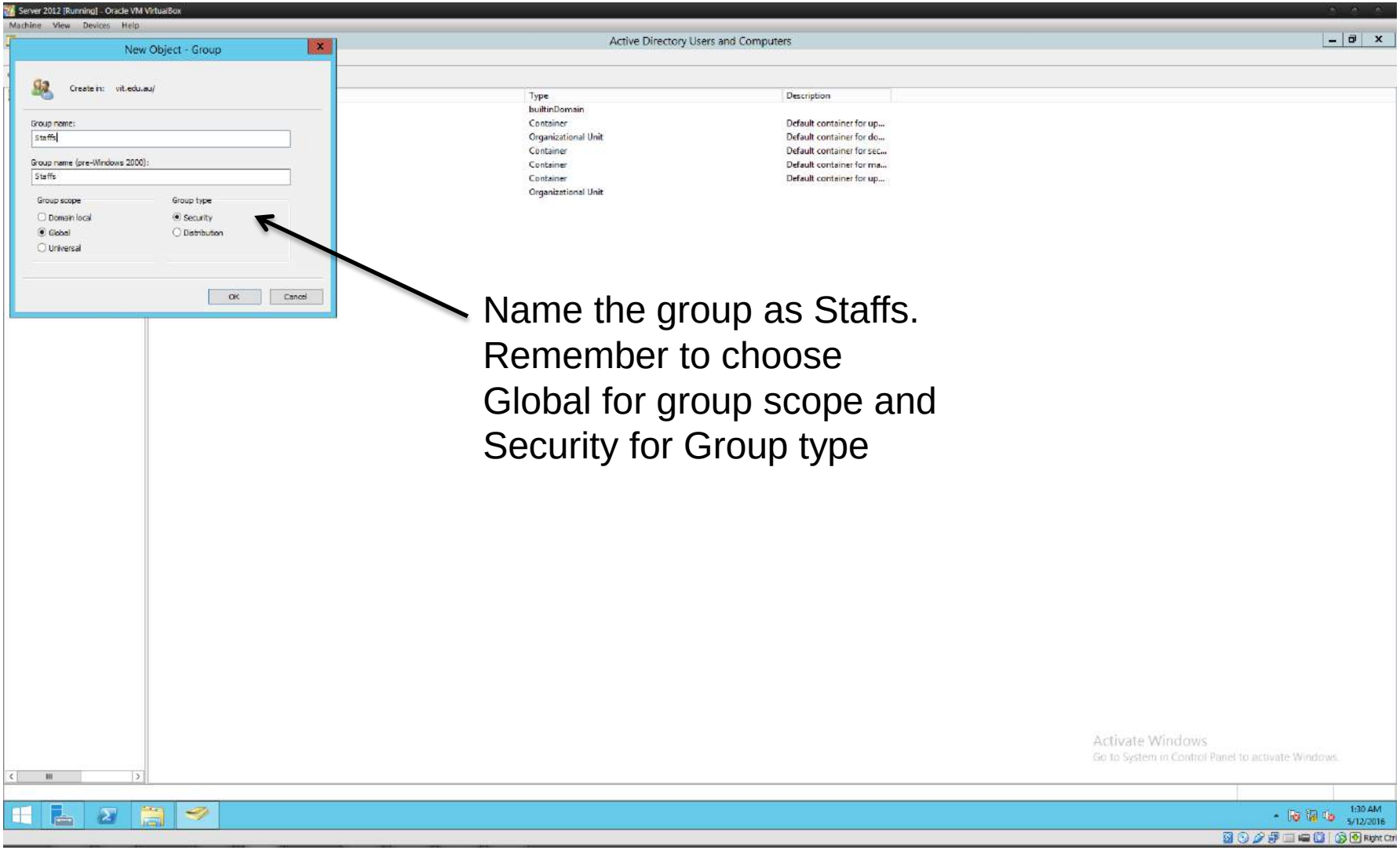
Create group for staff



Name the group as Staffs.
Remember to choose
Global for group scope and
Security for Group type

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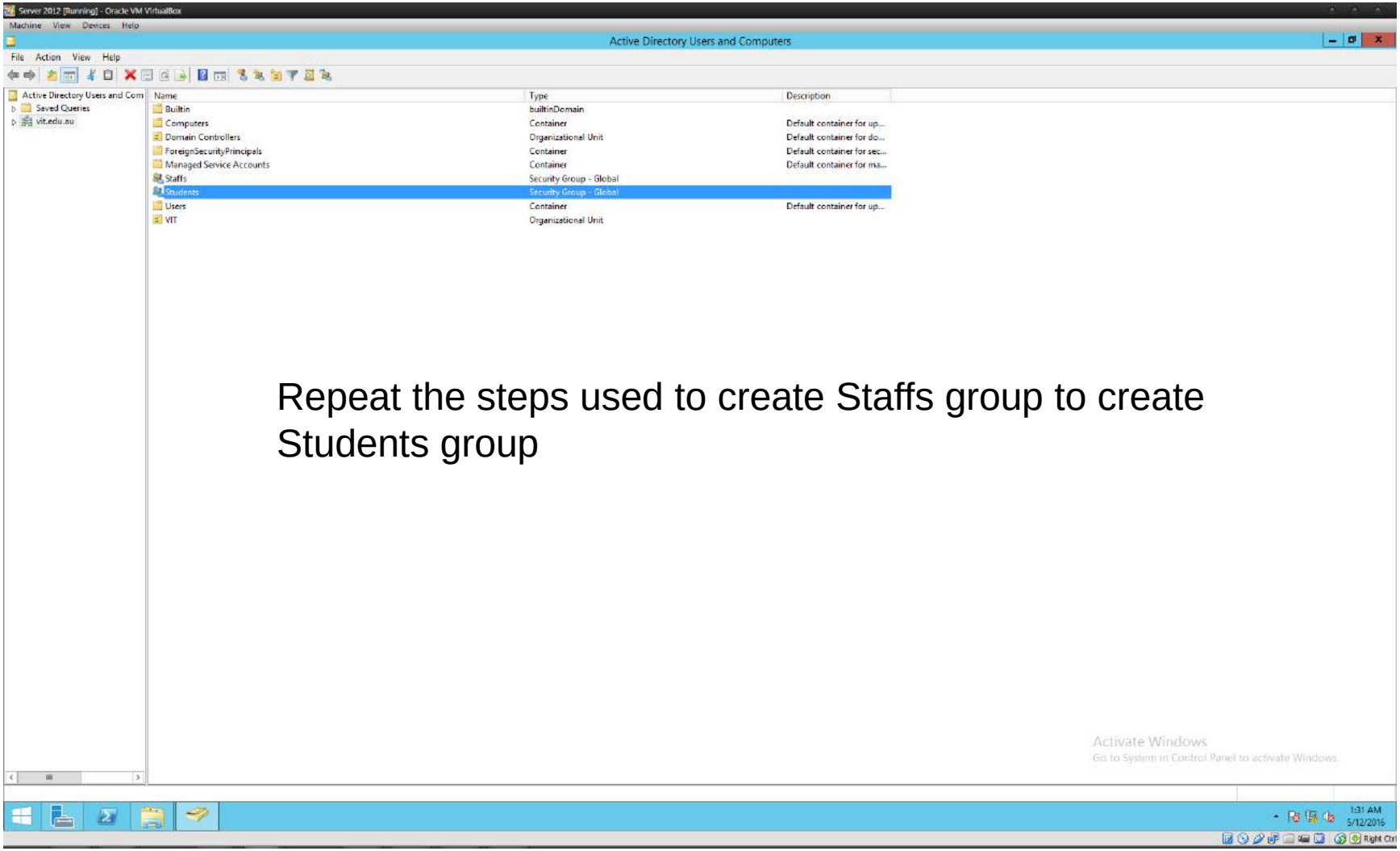
Create group for students



Repeat the steps used to create Staffs group to create Students group

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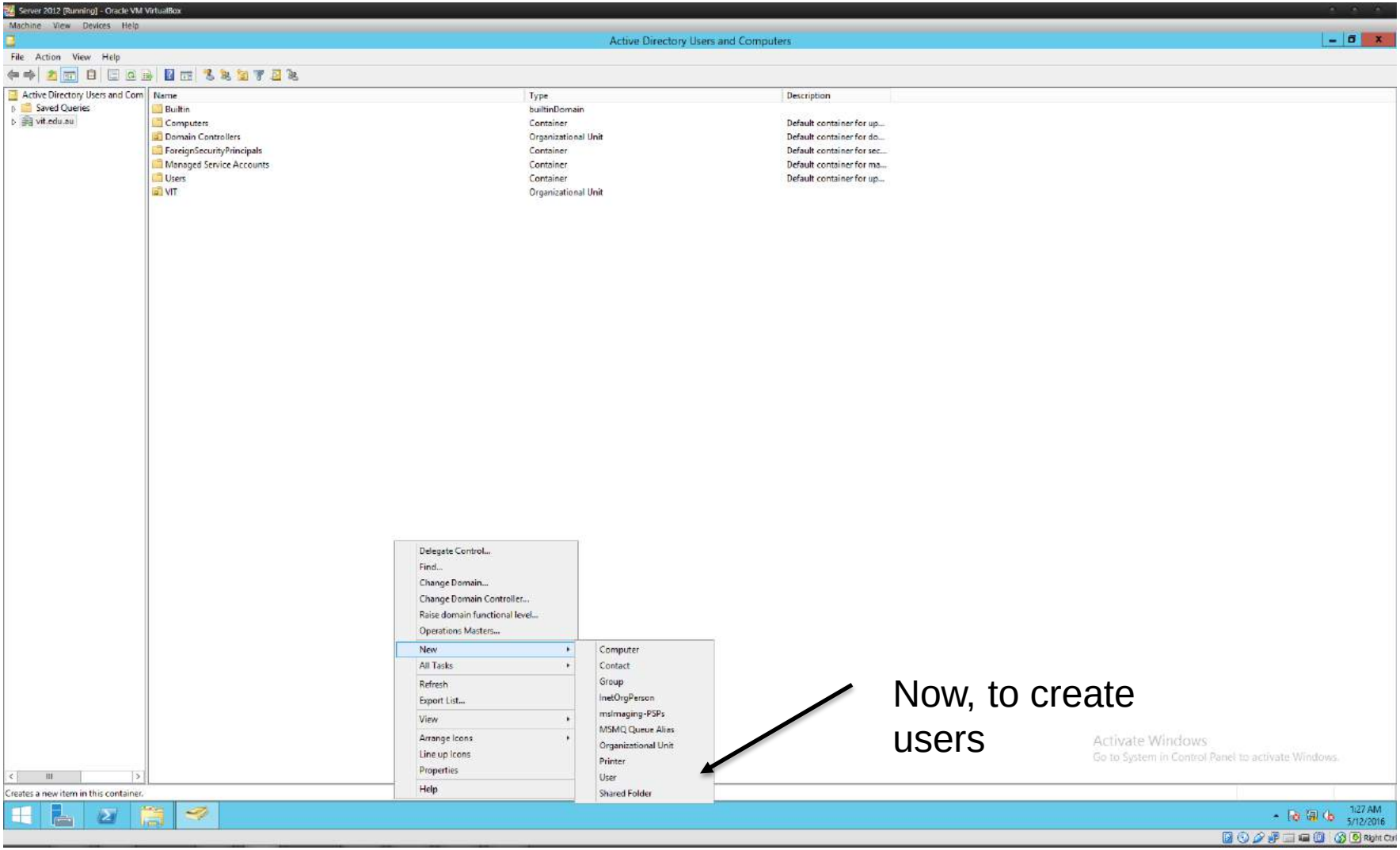
Create “test user” for each group



Now, to create users

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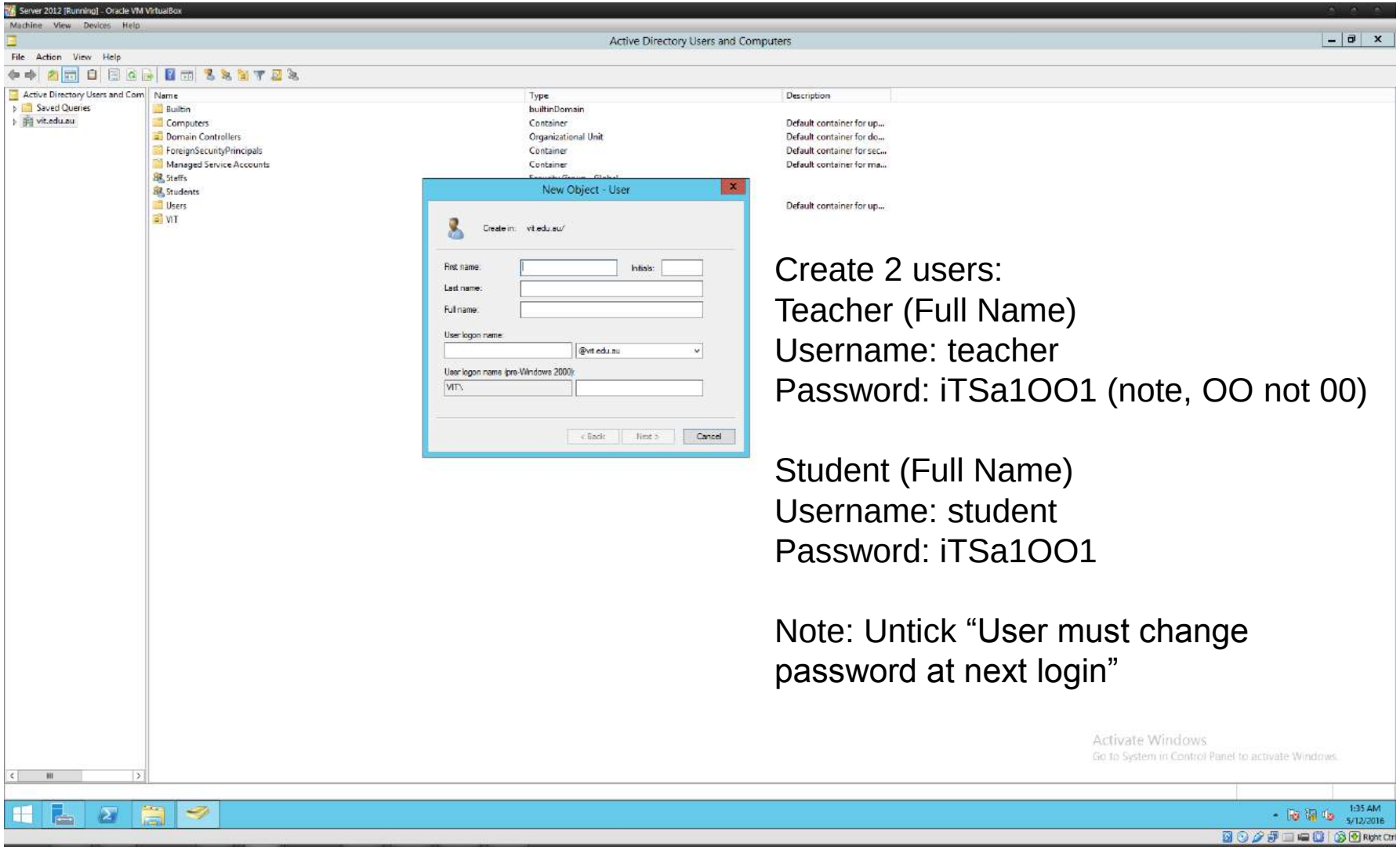
Create “test user” for each group



Create 2 users:
Teacher (Full Name)
Username: teacher
Password: iTSa1OO1 (note, OO not 00)

Student (Full Name)
Username: student
Password: iTSa1OO1

Note: Untick “User must change password at next login”

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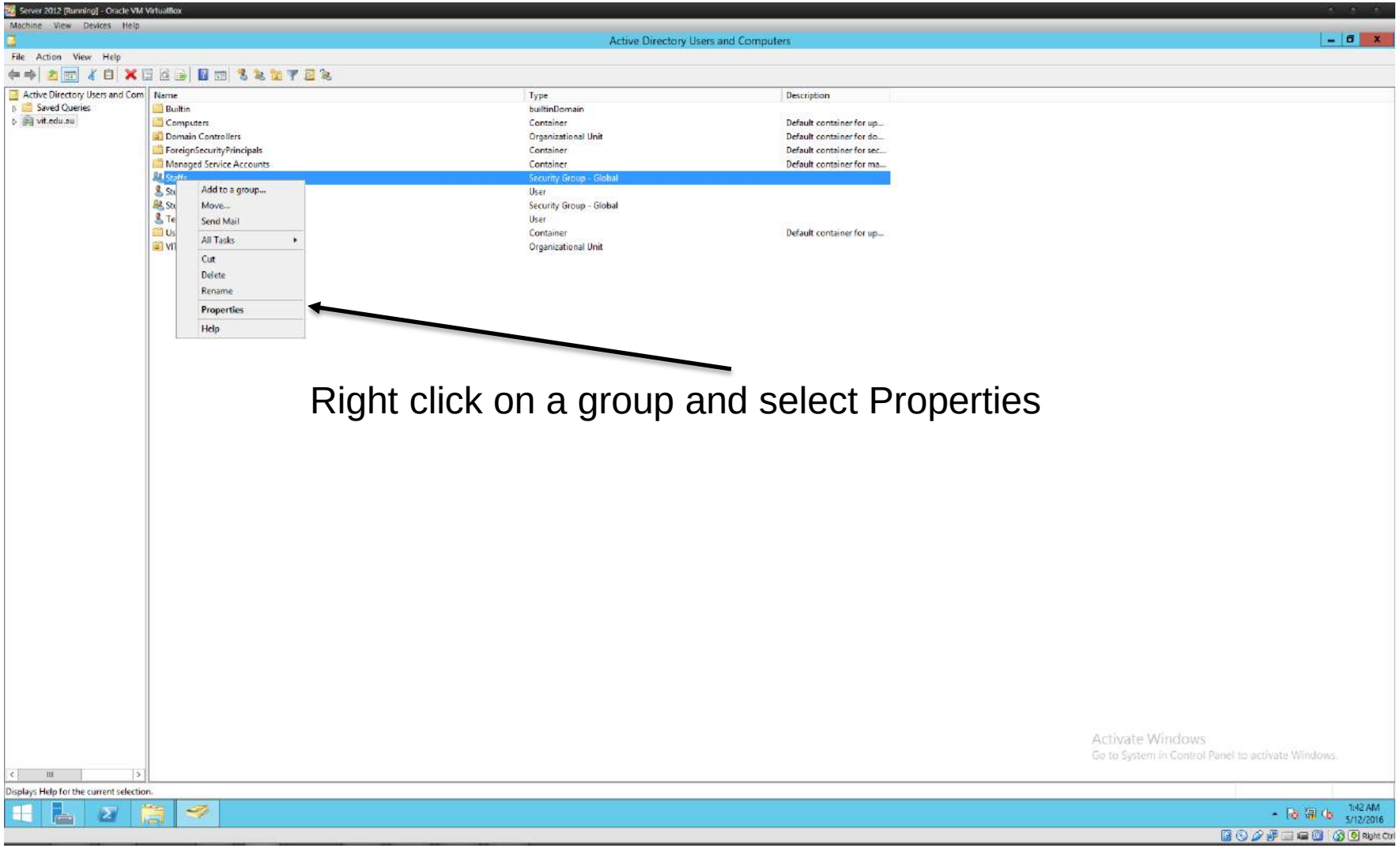
Add users to groups



Right click on a group and select Properties

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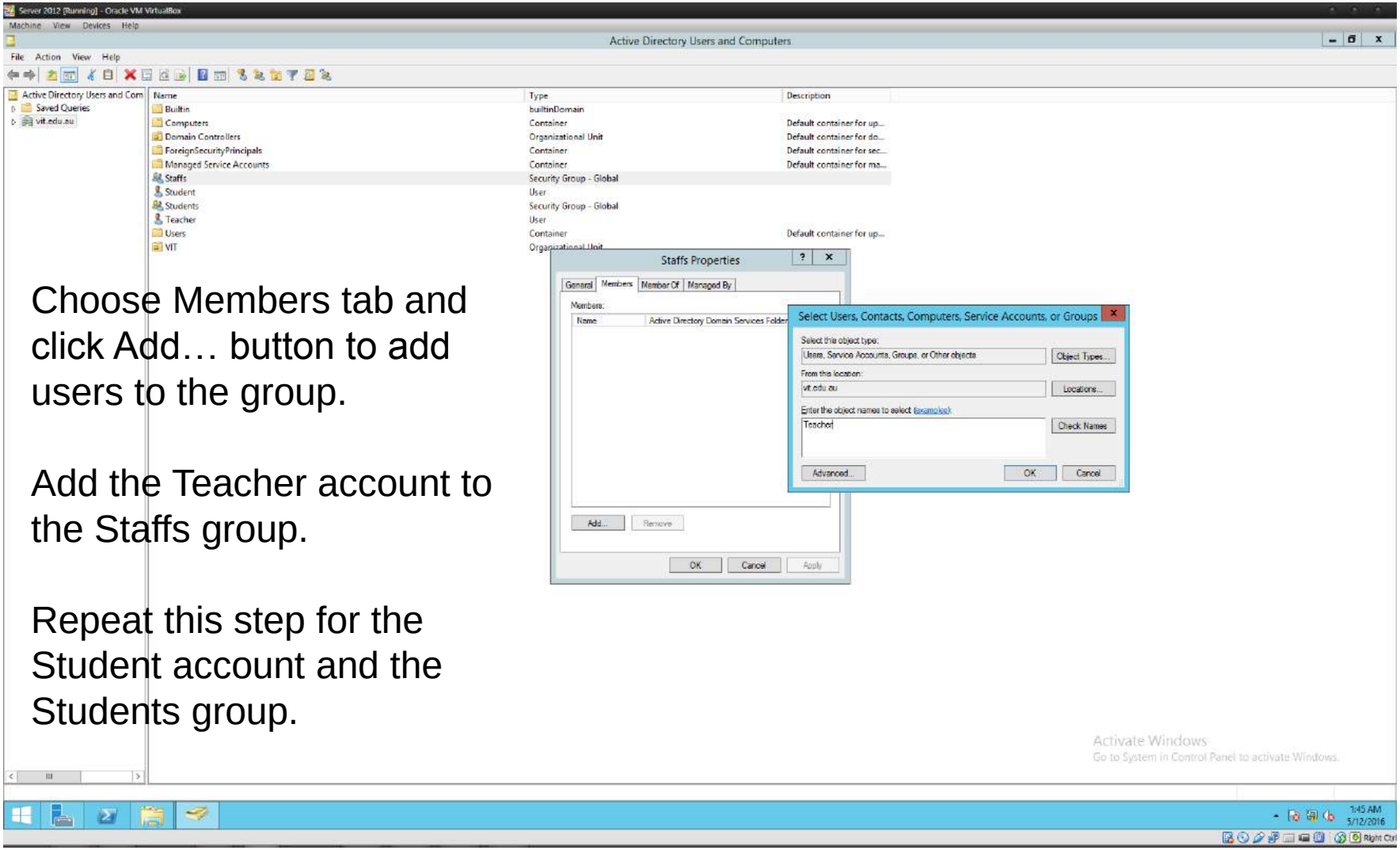
Add users to groups



Choose Members tab and click Add… button to add users to the group.

Add the Teacher account to the Staffs group.

Repeat this step for the Student account and the Students group.

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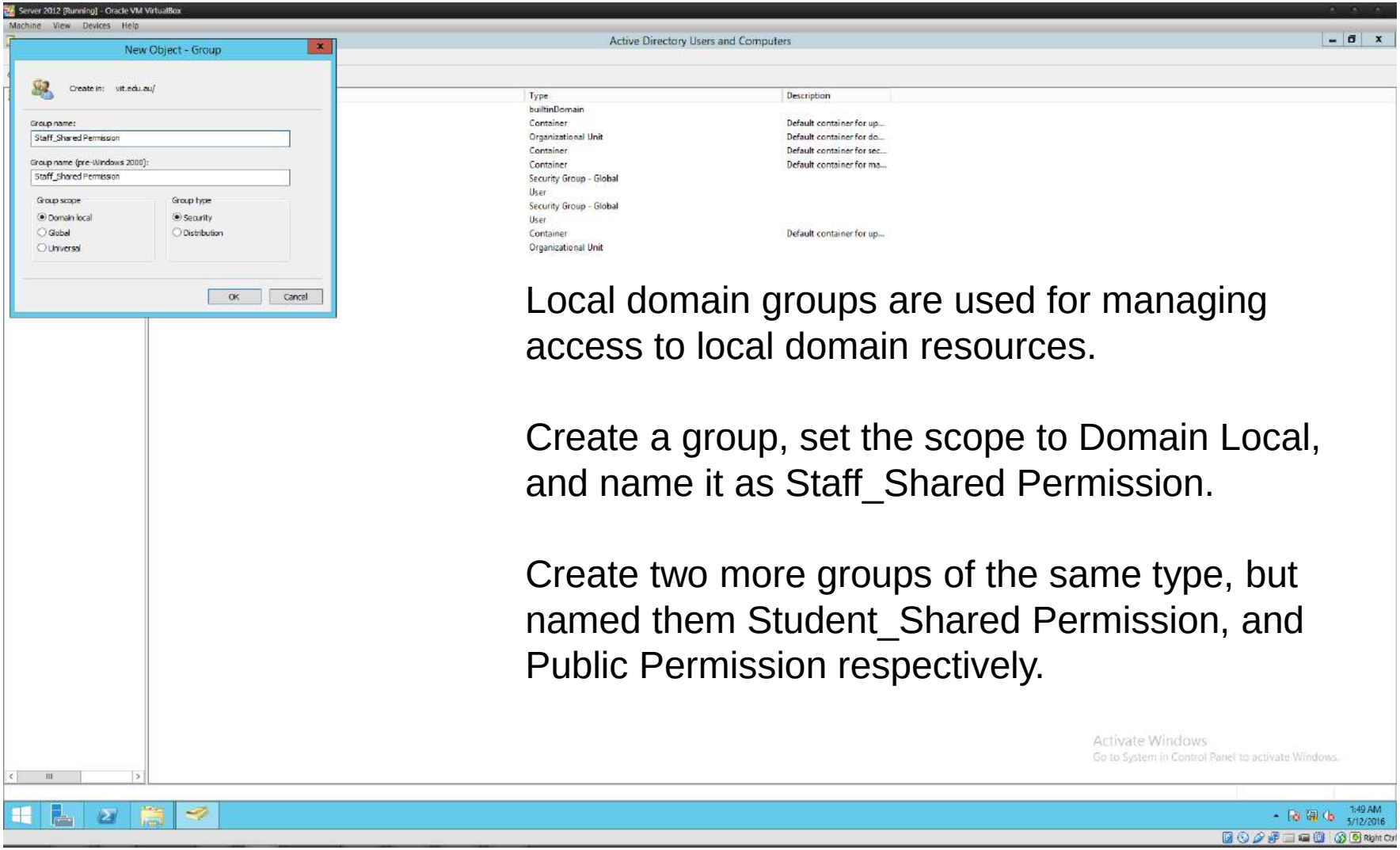
Create groups for domain resources



Local domain groups are used for managing access to local domain resources.

Create a group, set the scope to Domain Local, and name it as Staff_Shared Permission.

Create two more groups of the same type, but named them Student_Shared Permission, and Public Permission respectively.

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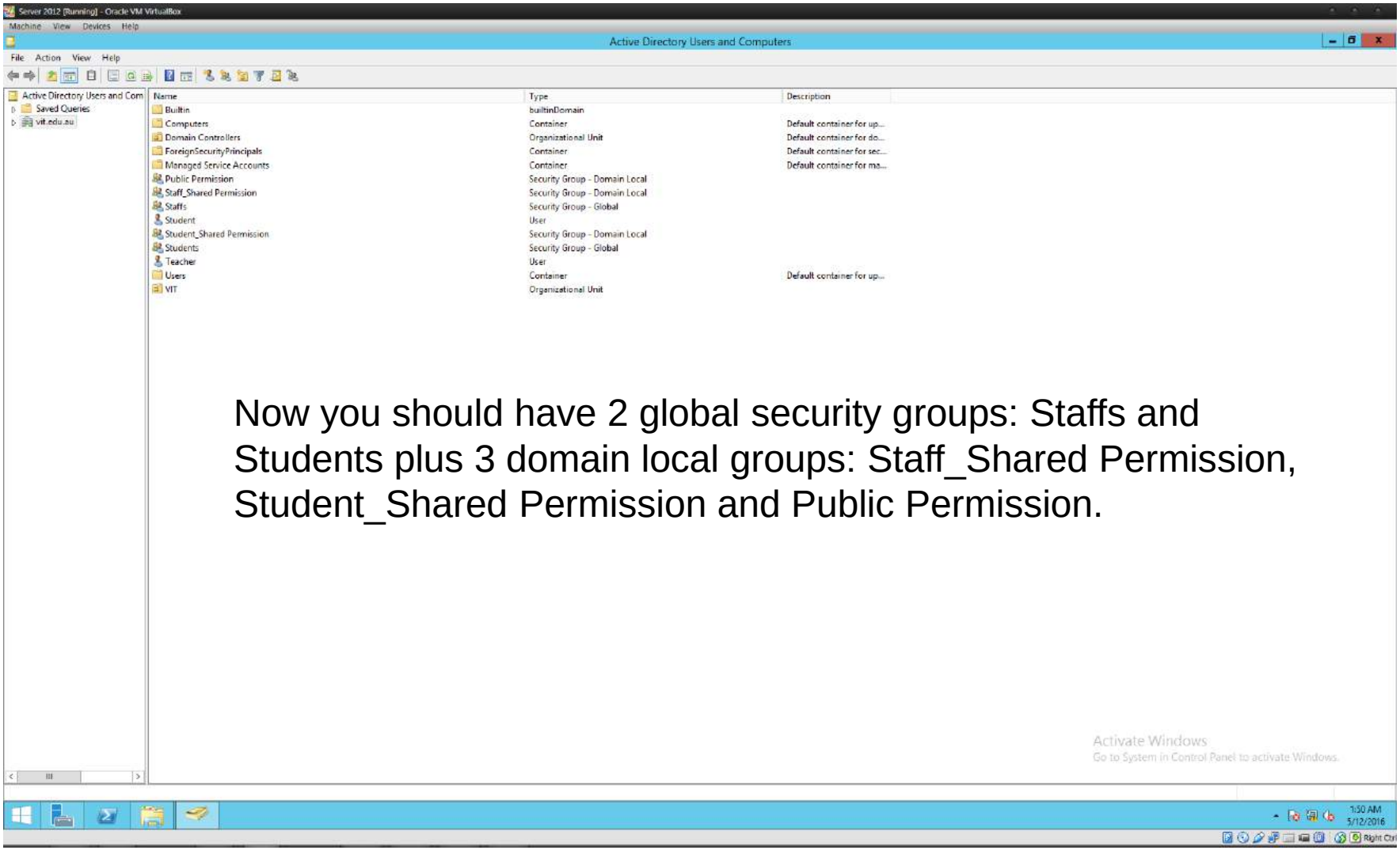
Create groups for domain resources



Now you should have 2 global security groups: Staffs and Students plus 3 domain local groups: Staff_Shared Permission, Student_Shared Permission and Public Permission.

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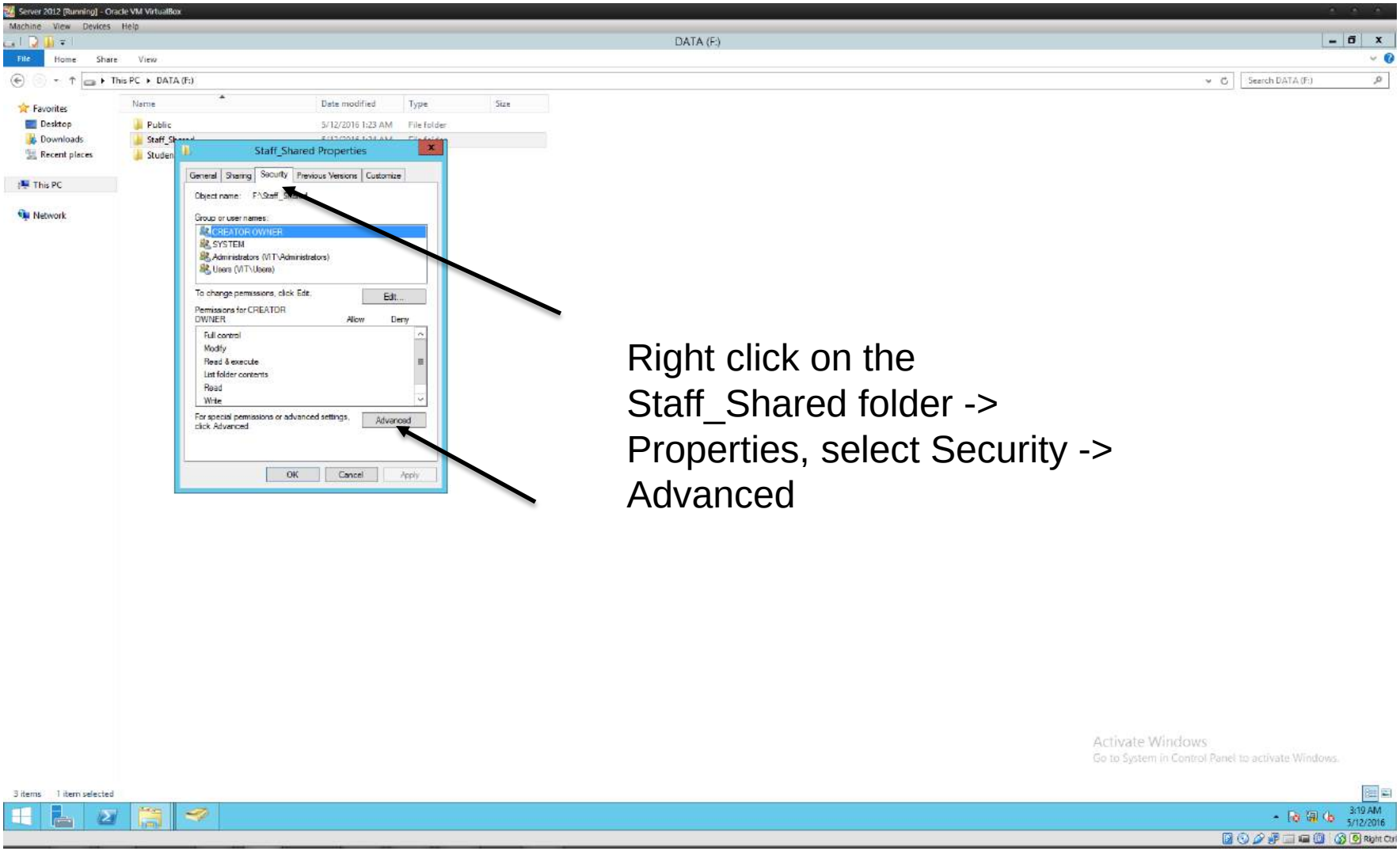
Assign permissions to Staff_Shared



Right click on the Staff_Shared folder -> Properties, select Security -> Advanced

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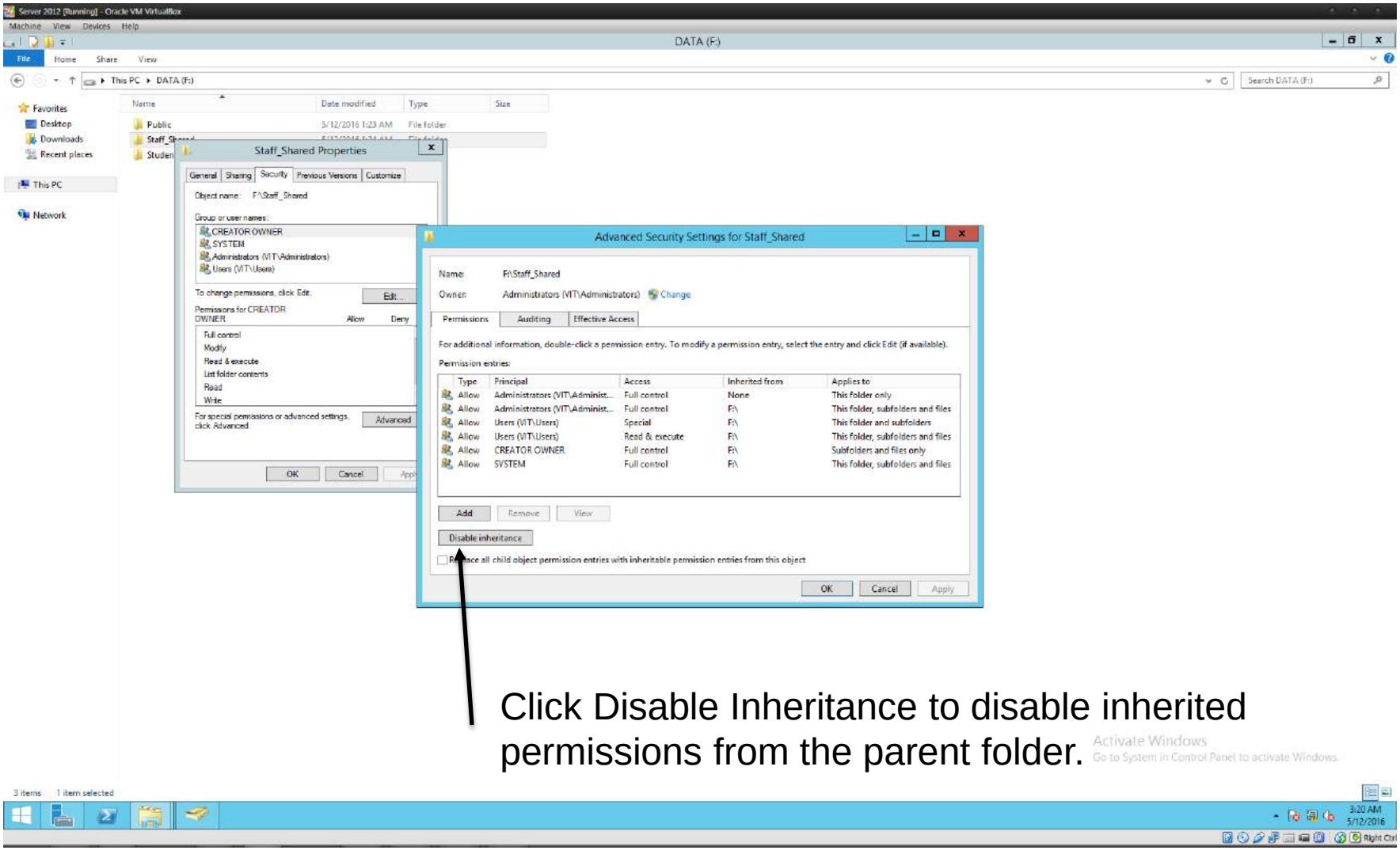
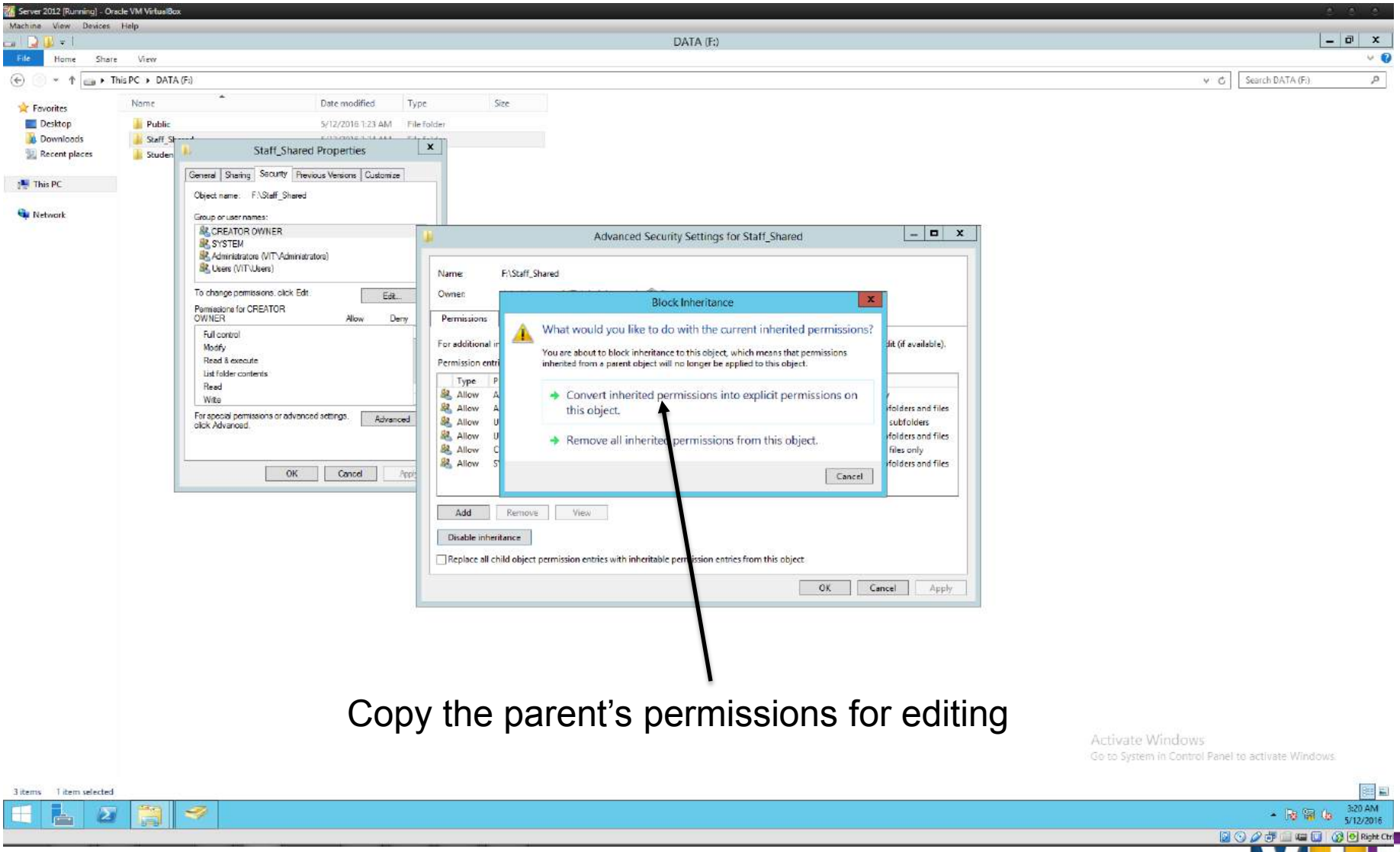
Assign permissions to Staff_Shared



Click Disable Inheritance to disable inherited permissions from the parent folder.

Activate Windows
Go to System in Control Panel to activate Windows.

Assign permissions to Staff_Shared



Copy the parent's permissions for editing

Activate Windows
Go to System in Control Panel to activate Windows.

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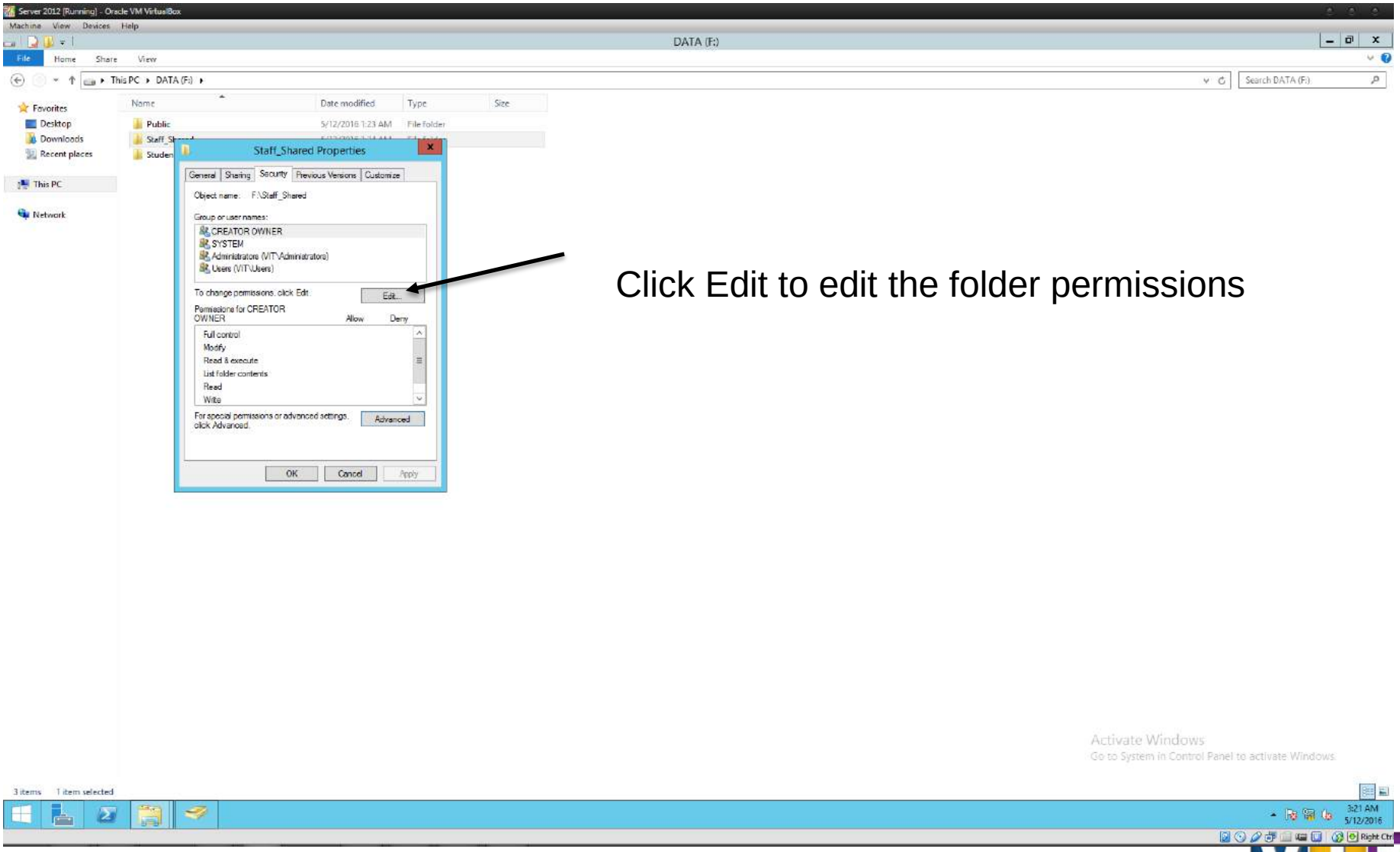
Assign permissions to Staff_Shared



Click Edit to edit the folder permissions

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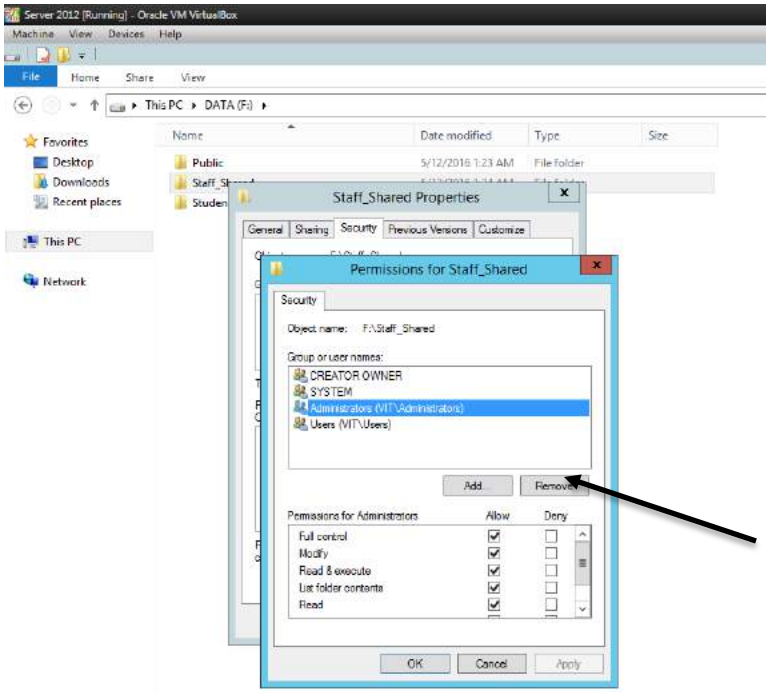
Assign permissions to Staff_Shared



Remove the Users groups to prevent any user from accessing the folder.

Add the Staff_Shared Permission group. Give it “Full Control” permission.

Now any member of the Staff_Shared Permission group will have full control over Staff_Shared folder.

Activate Windows
Go to System in Control Panel to activate Windows.

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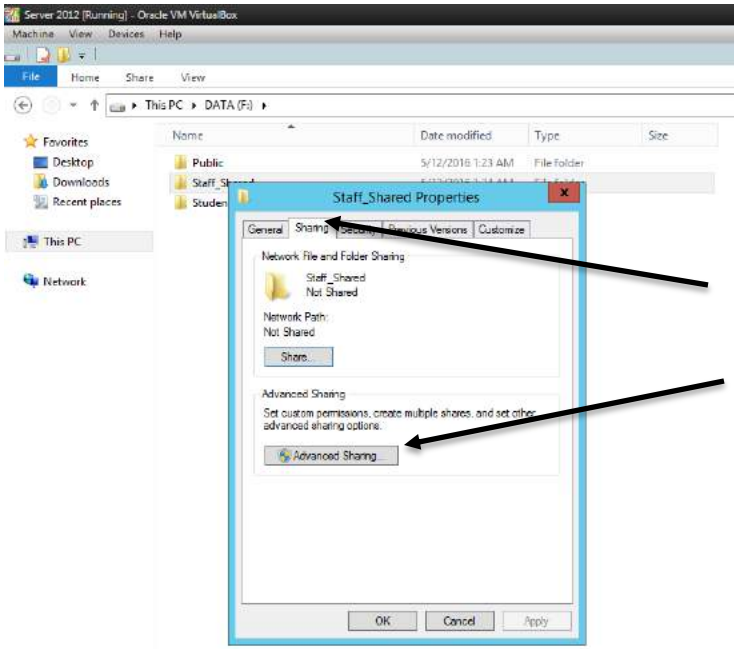
Assign permissions to Staff_Shared

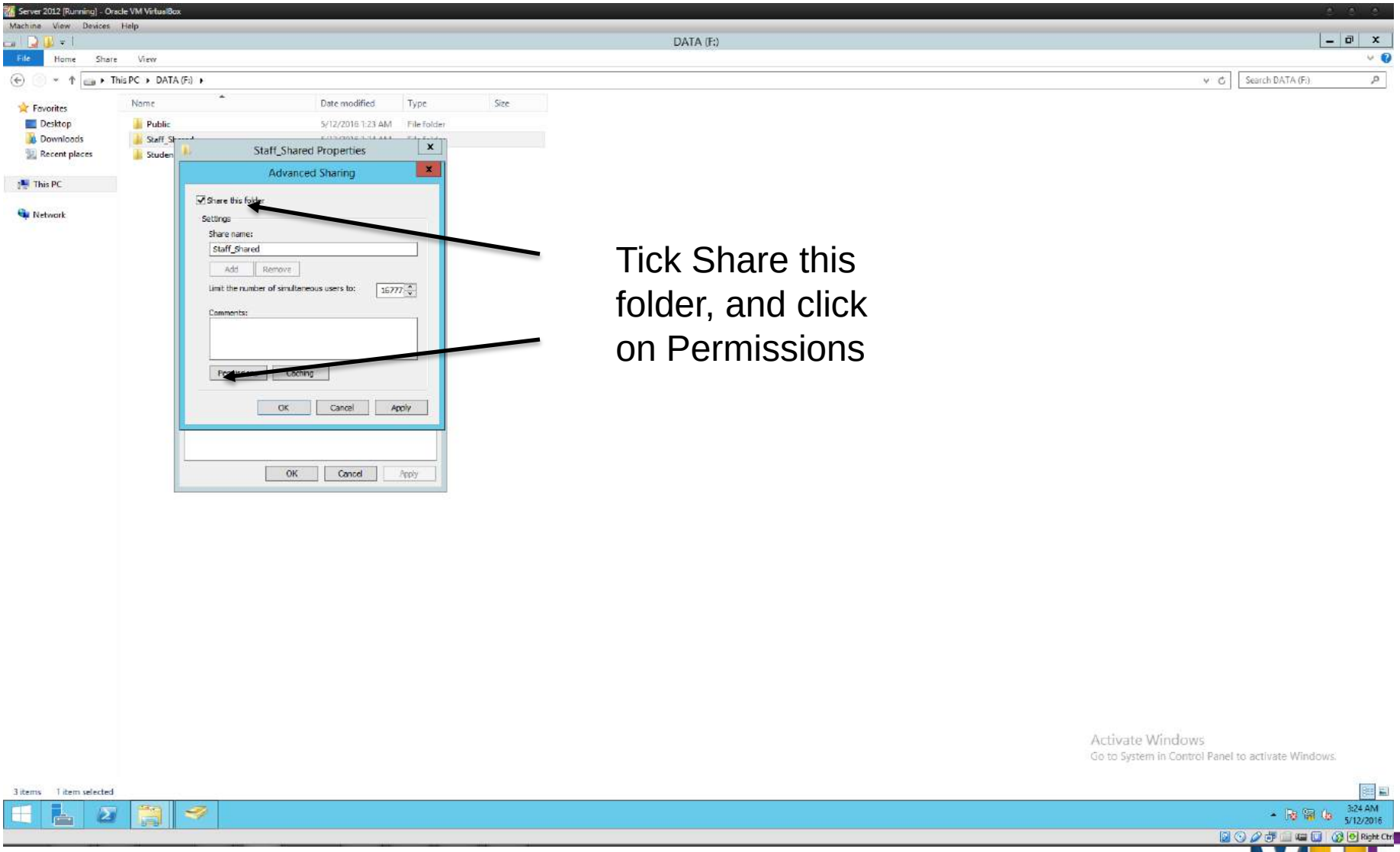


Switch to the Sharing tab

Select Advanced Sharing

Activate Windows
Go to System in Control Panel to activate Windows.

Assign permissions to Staff_Shared



Tick Share this folder, and click on Permissions

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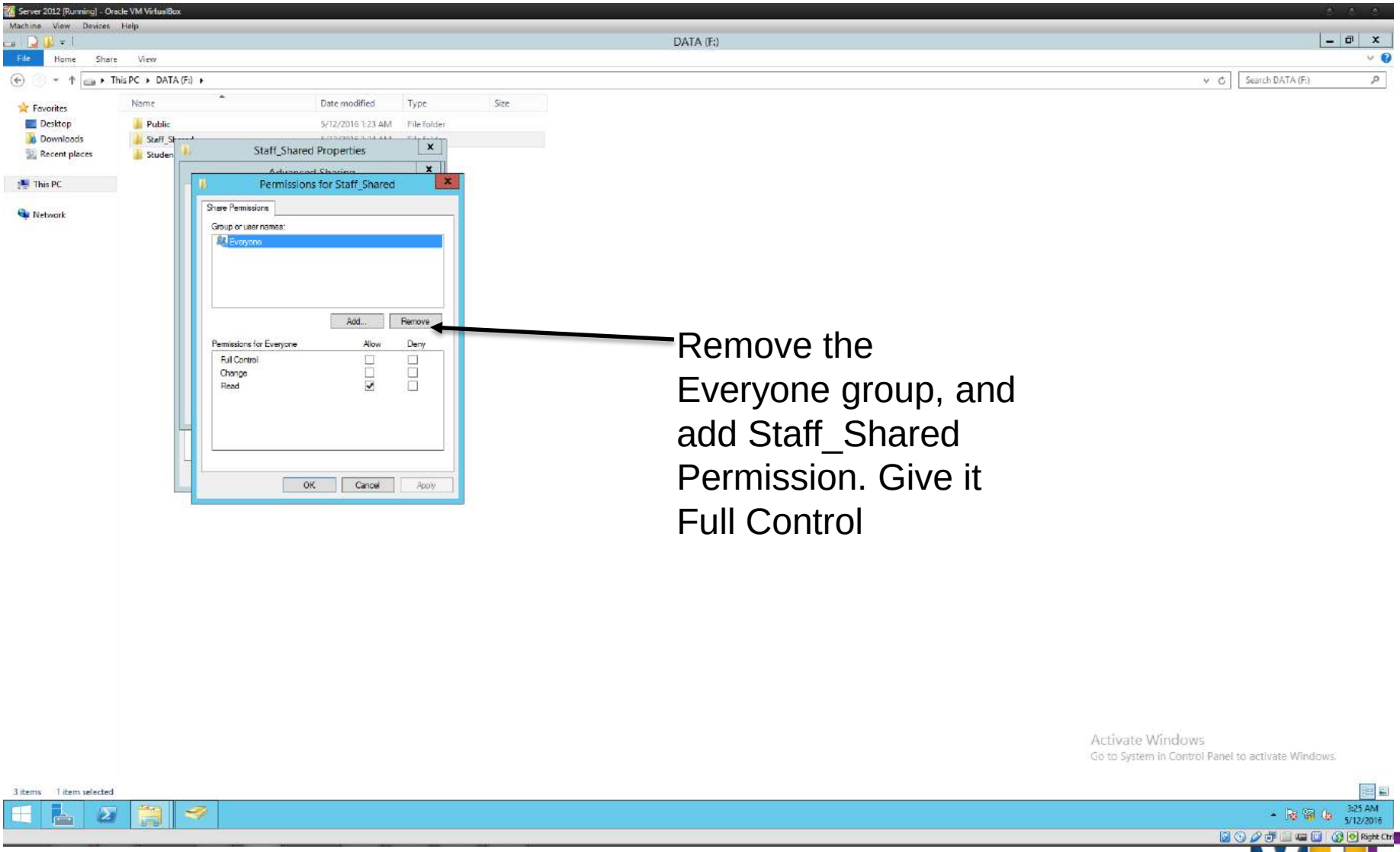
Assign permissions to Staff_Shared



Remove the Everyone group, and add Staff_Shared Permission. Give it Full Control

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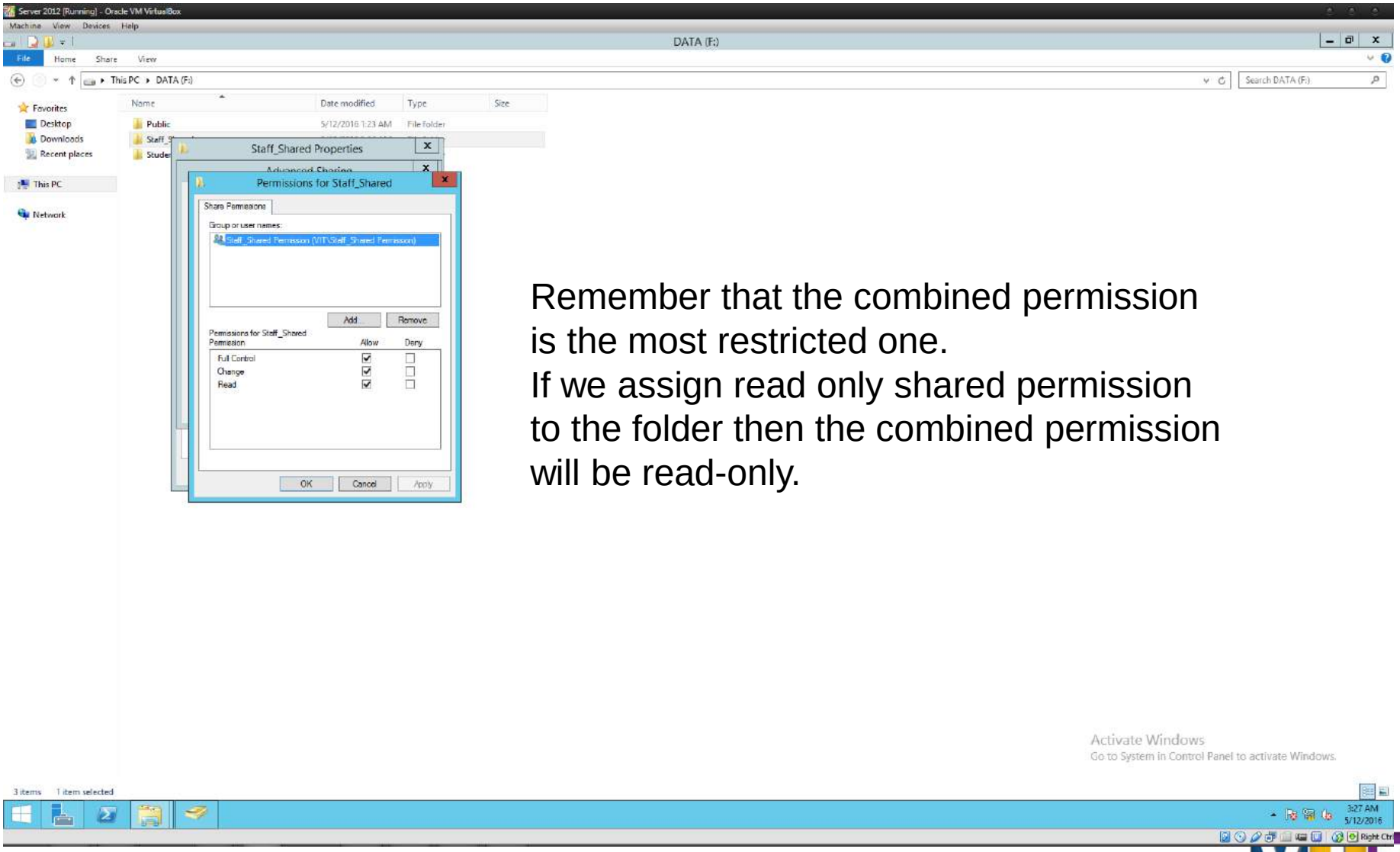
Assign permissions to Staff_Shared



Remember that the combined permission is the most restricted one.
If we assign read only shared permission to the folder then the combined permission will be read-only.

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Assign permissions to Staff_Shared

- Now the last step is to add Staffs group as a member of Staff_Shared Permission group.
- After you complete this step, any member of Staffs group will be able to have full access to Staff_Shared folder.
- To verify the access permission, add user **teacher** that you have created as member of Staffs group and try to logon to the domain from Windows XP client as the teacher.

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Assign permissions to Student_Shared

- Repeat the steps used to assign permission to Staff_Shared for Student_Shared (from slide 17).
  - Remember to add both Staffs and Students as members of Student_Shared Permission group so both staffs and students can access the folder.
- Apply permission for Public_Shared folder using similar steps that were used for Staff_Shared and Student_Shared.
  - Add **Everyone** group as member of Public_Shared permission group

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Verify the permission

- Try to logon to the domain from Windows XP client as the teacher, student and an another user to verify if the permissions were correctly assigned.

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