KWANTLEN POLYTECHNIC UNIVERSITY

INFO 2416 – Summer 2024

PROJECT HANDOUT

Term Project

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Section: A11
Date: 13.08.2024

"This project, all names, characters, and incidents portrayed herein are fictitious. No identification with actual persons or fictitious characters should be inferred. No animals were harmed in the making of this project."

OVERVIEW

This topic will involve analysis of a business case and the design of a network to support it. The precise details of the business case are below. For the project you will be required to:

a. Create an organization chart for the business.

b. Provide cost data for the system's hardware, software and licenses, including references for your prices.

c. Design and document the organizational units, security groups, and shared folder configuration that you will need.

d. Configure Windows Server 2022 for the business, including DNS, folder/file sharing and printer sharing. e. Implement the OU and security group plan.

f. Add a folder redirection GPO.

g. Create an IT Department web page for the business, and deploy it using IIS server.

h. Submit a report including screenshots verifying every aspect of the implementation. You should also describe what work would be needed from this point to actually implement your system in real life.

Part 4: Implementation II & Write-Up Due: By August 13 (8:30 AM)
• Create all your Organizational Units (OUs) as determined in Part 2.
• Link a GPO to the Medical Staff OU.
• Use this GPO to redirect each medical staff member's Documents folder to the shared Medical Records folder.
• Add the IIS role, and set up a simple web page for the care home (the page just needs to have some text on it with your name and the project title, but you can be fancier if you like). Take a screenshot showing the website's advanced settings (make sure the values are completely visible) using the IIS tool.
• Take screenshots to show the contents of each OU, to show that folder redirection works for a medical staff member, and to show that you can open the web page on the server using a browser on the desktop.
• Write a brief paragraph indicating what work would need to get done from this point to actually install and deploy the entire system physically at the T-RICH facility.

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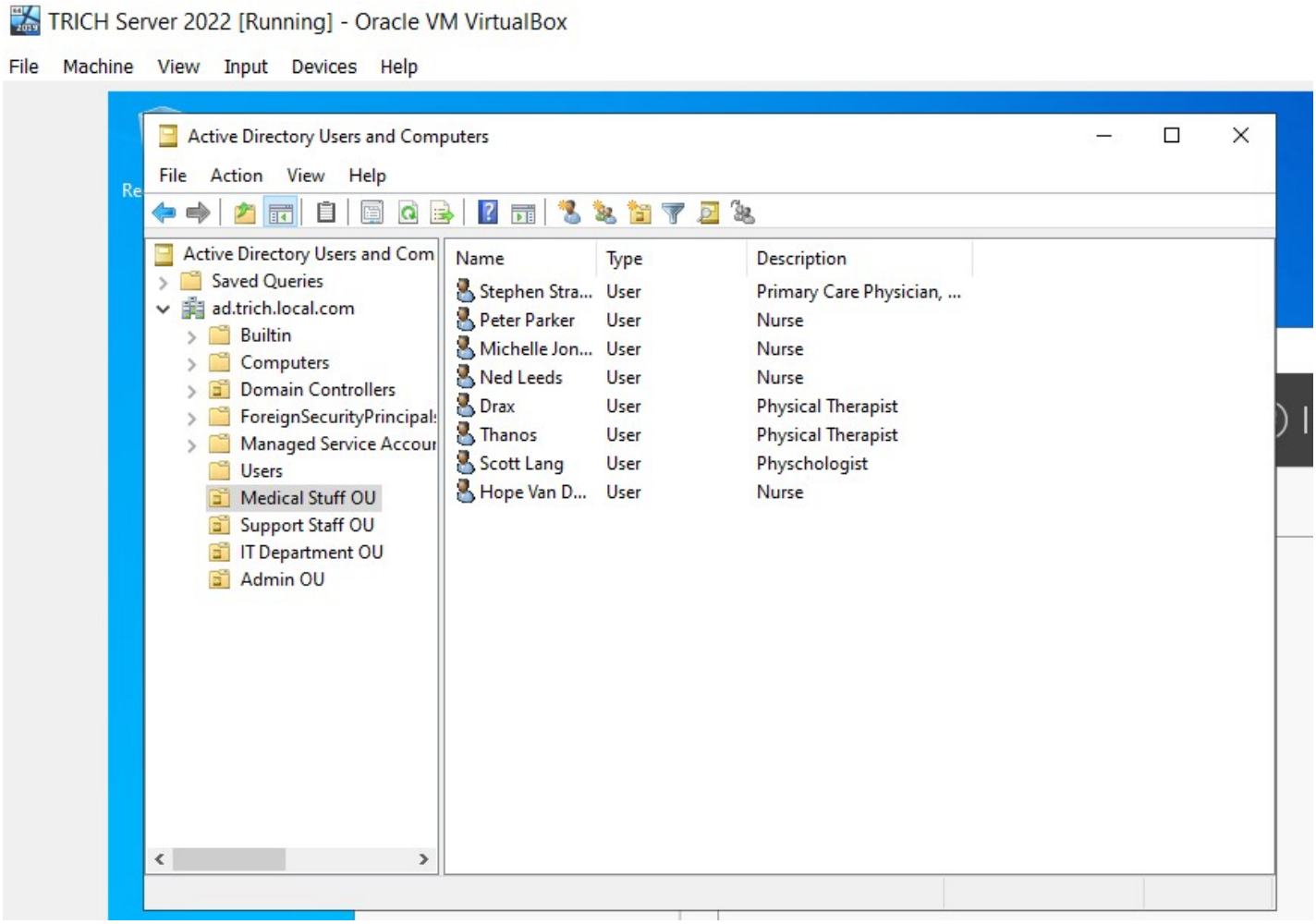
• Write a brief paragraph describing your work on the project: what was challenging, what specific things you did to address the challenges, what took longer or shorter than expected, and what you learned doing the project.

Implementation II & Write-Up

Organizational Units:

Medical:



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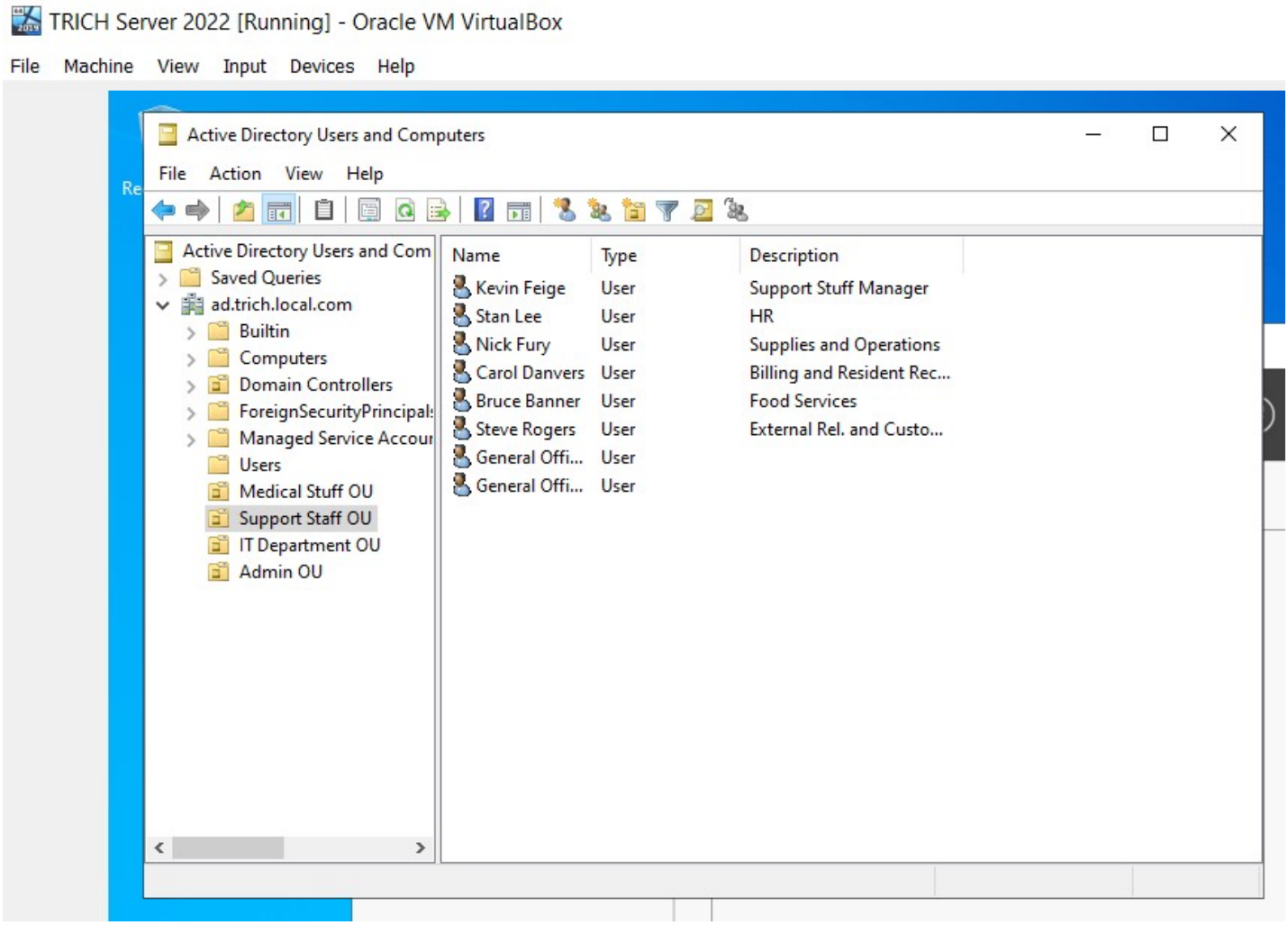
Support Staff:



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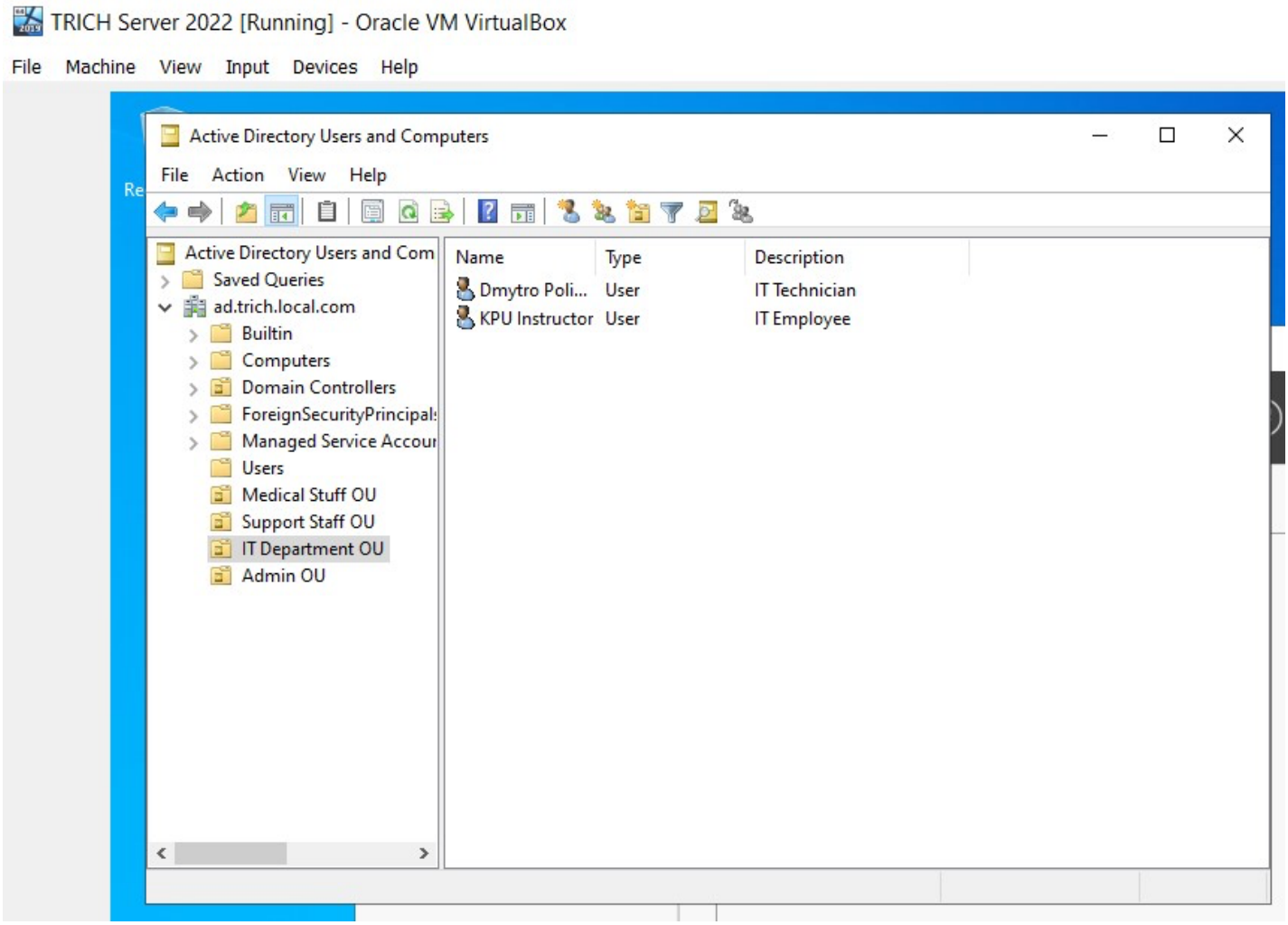
IT:



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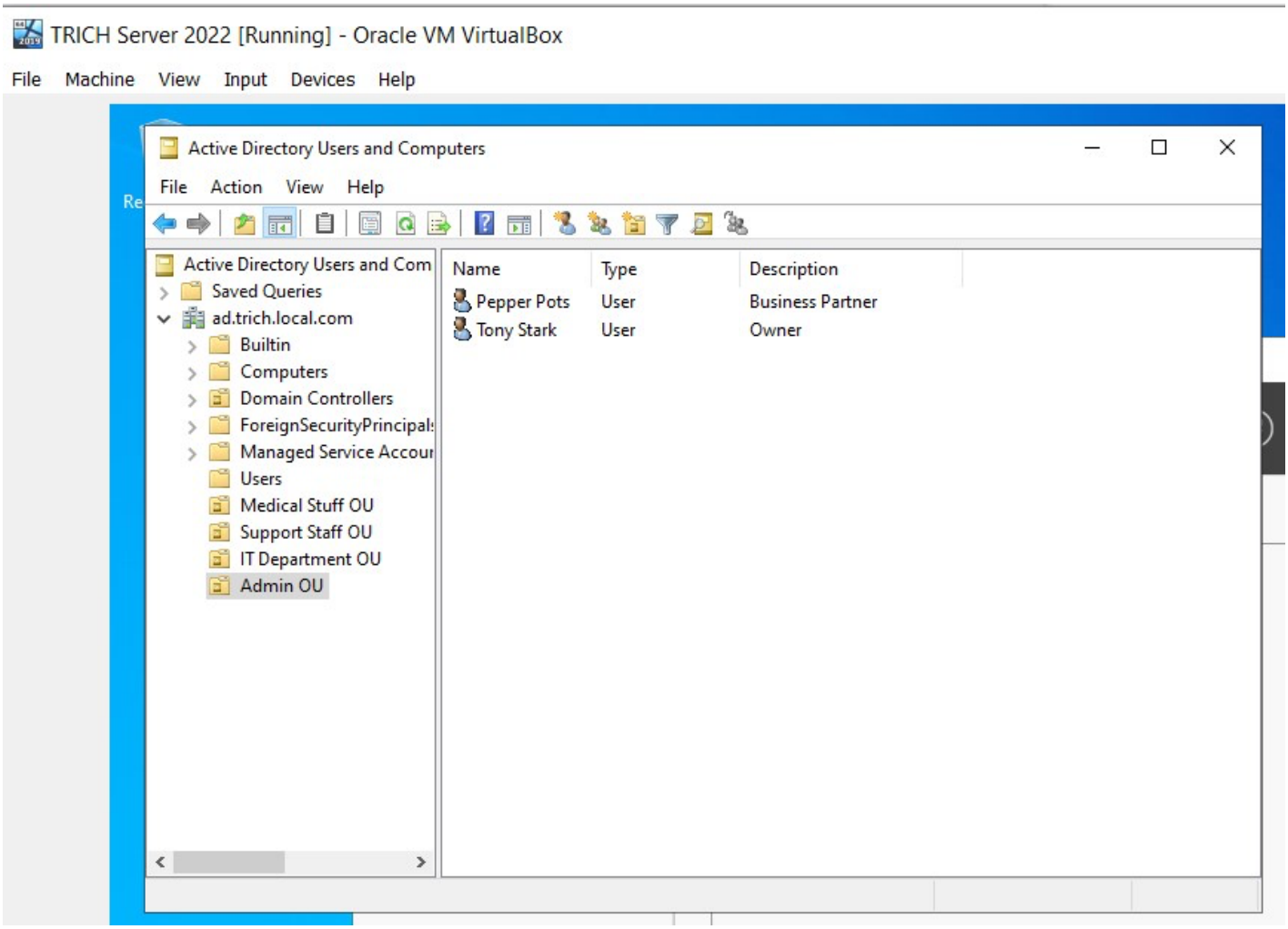
Admin:



Create Computers for all your workstations:

Ideally, we should have 15 laptops. One laptop for every person. But for this example, I will create 4 workstations, one workstation for each department just to show how it should work.

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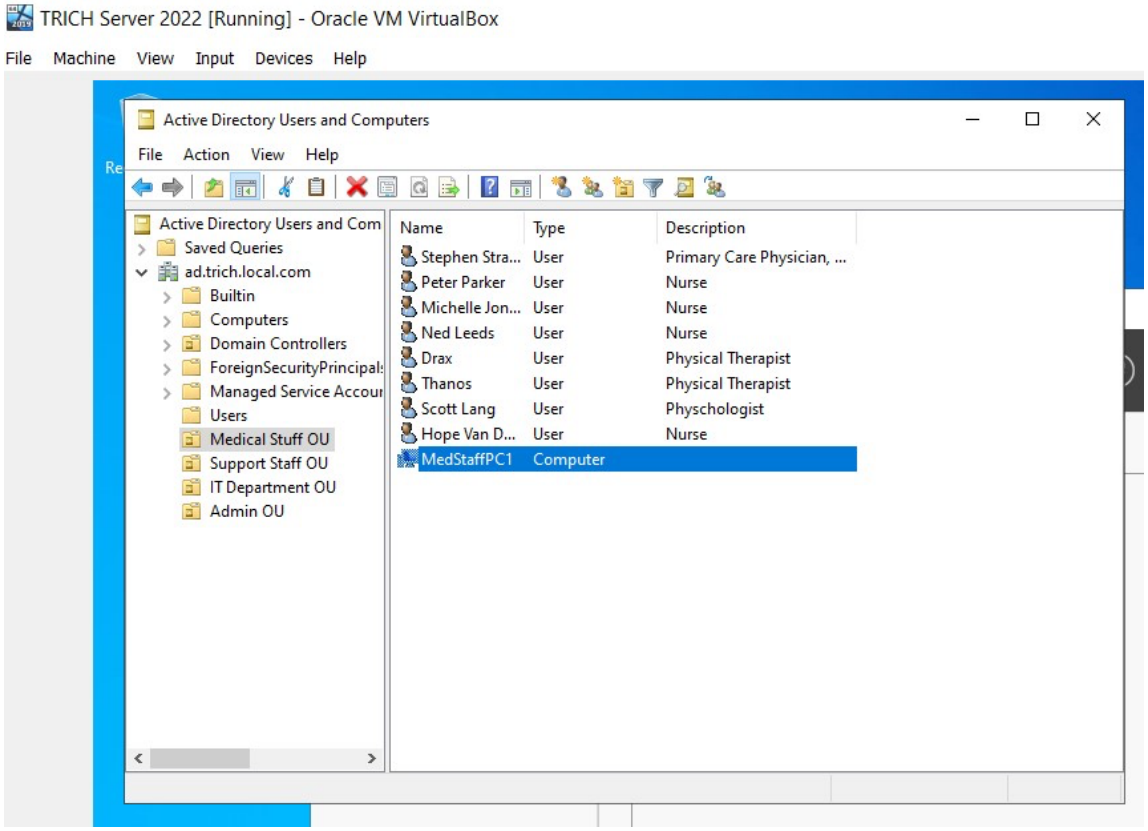
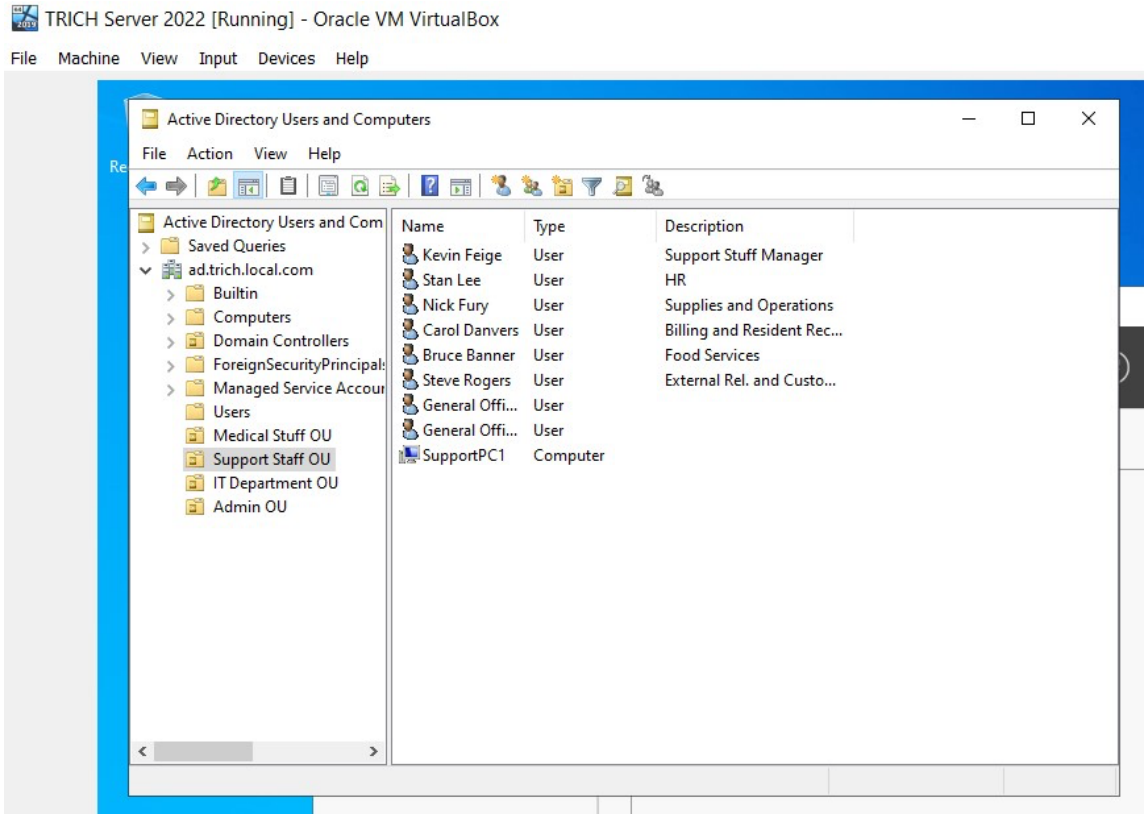
Medical:



Support Staff:



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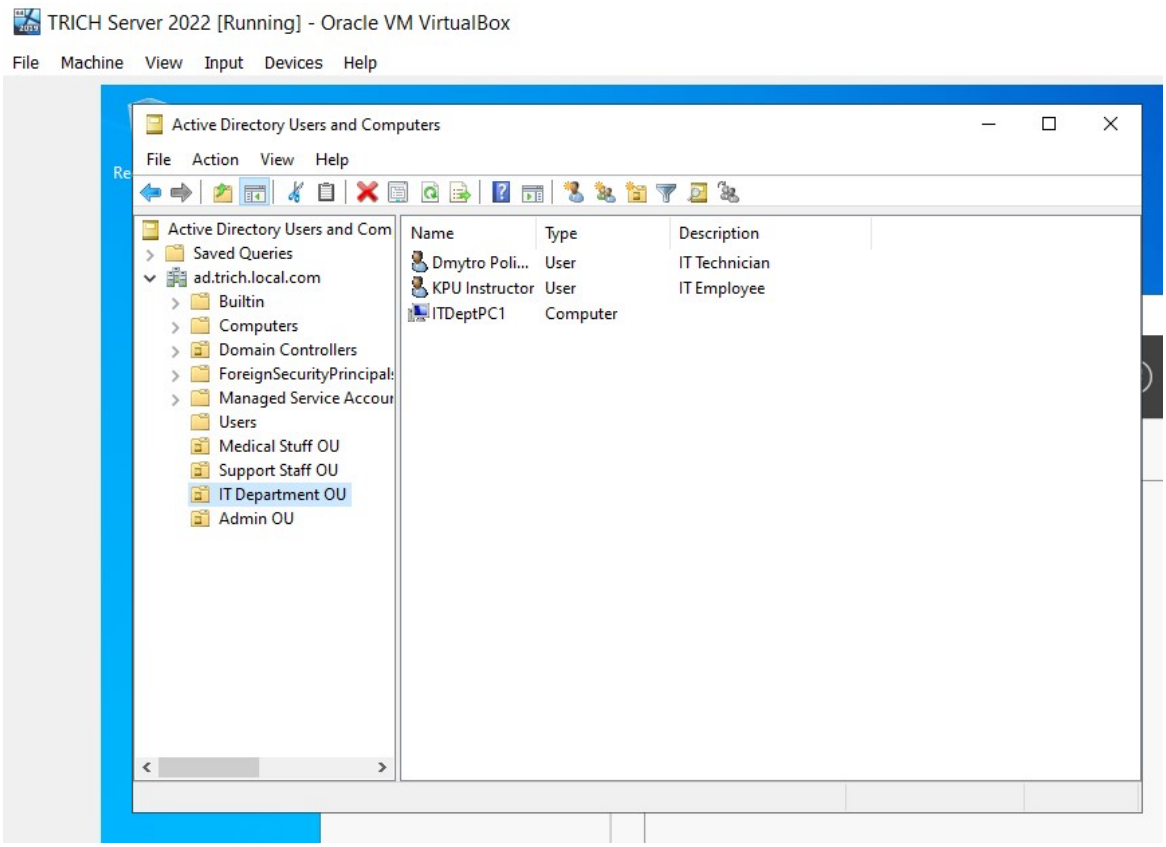
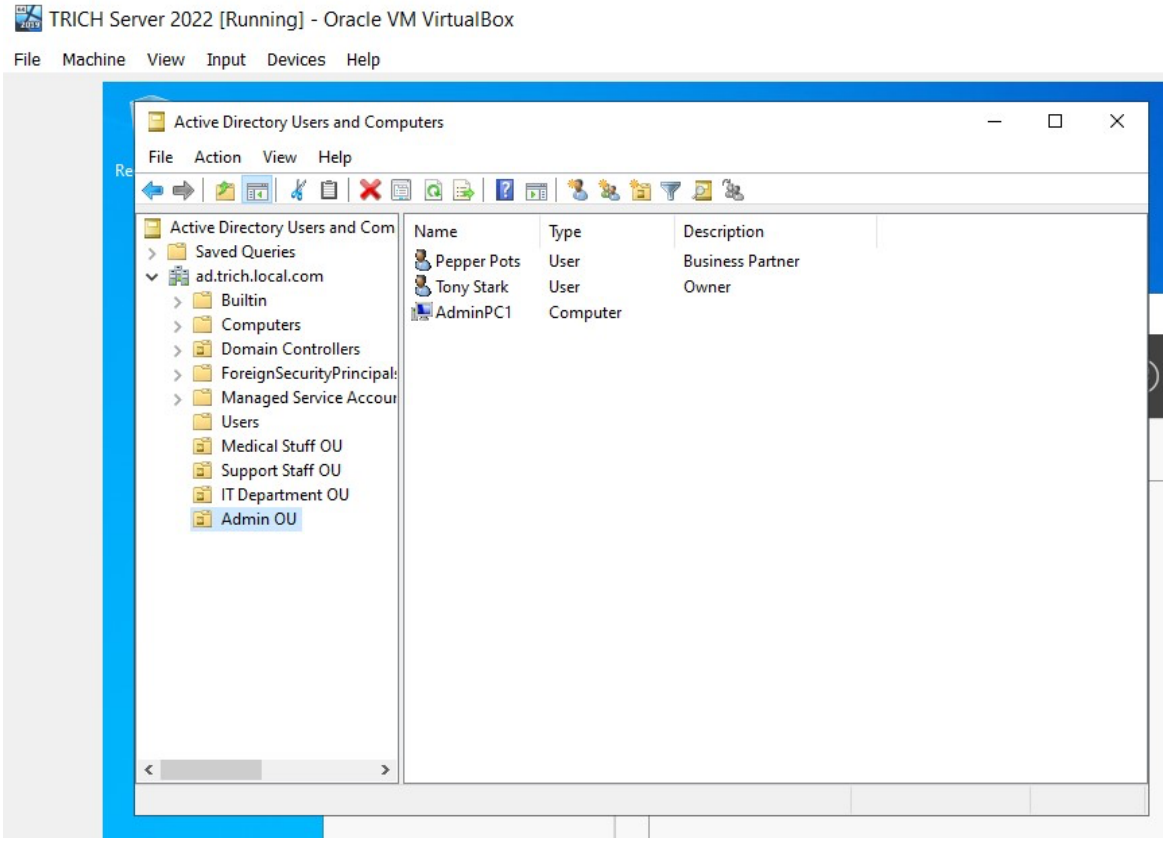
IT:



Admin:



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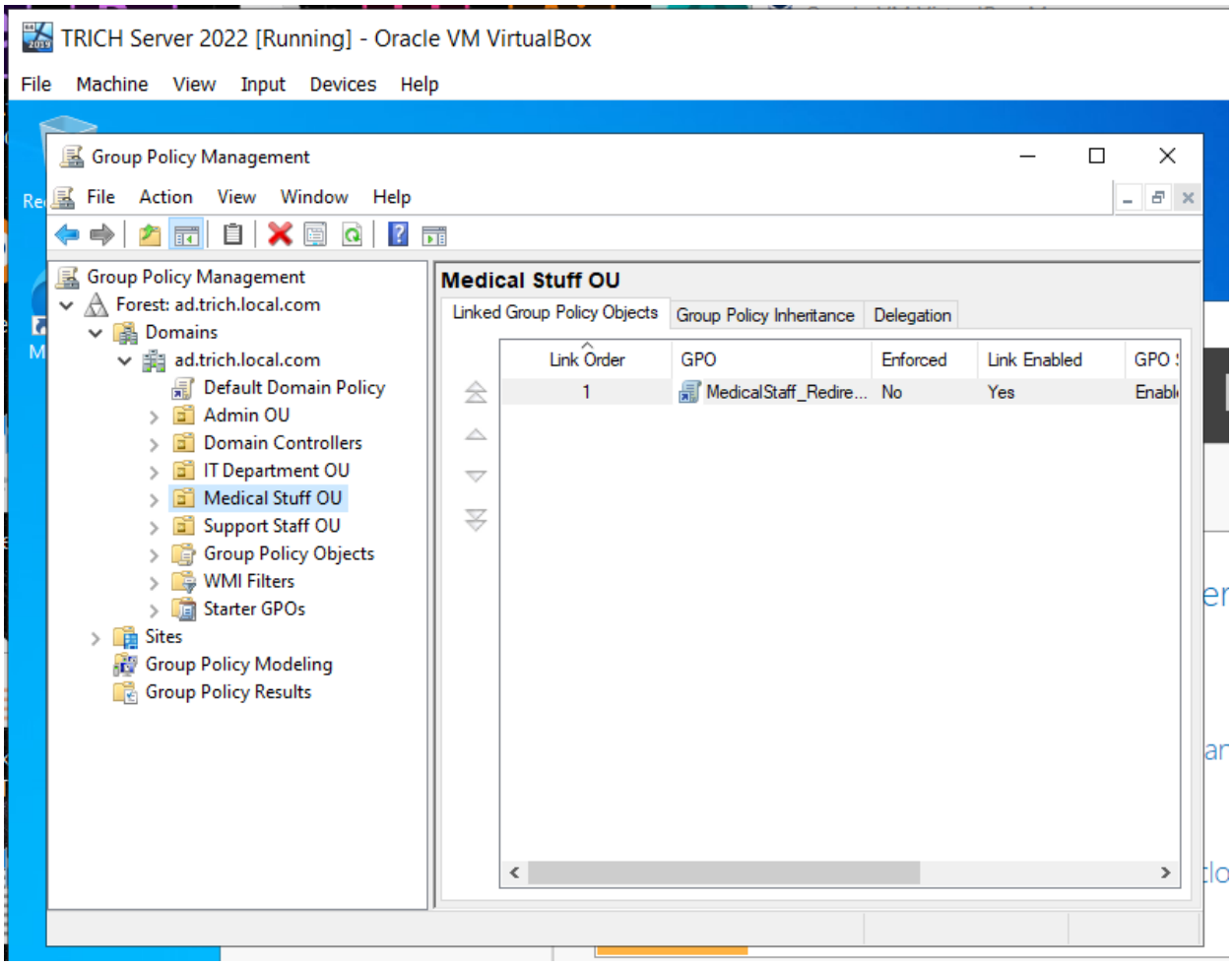
Linked GPO under the Medical Staff OU



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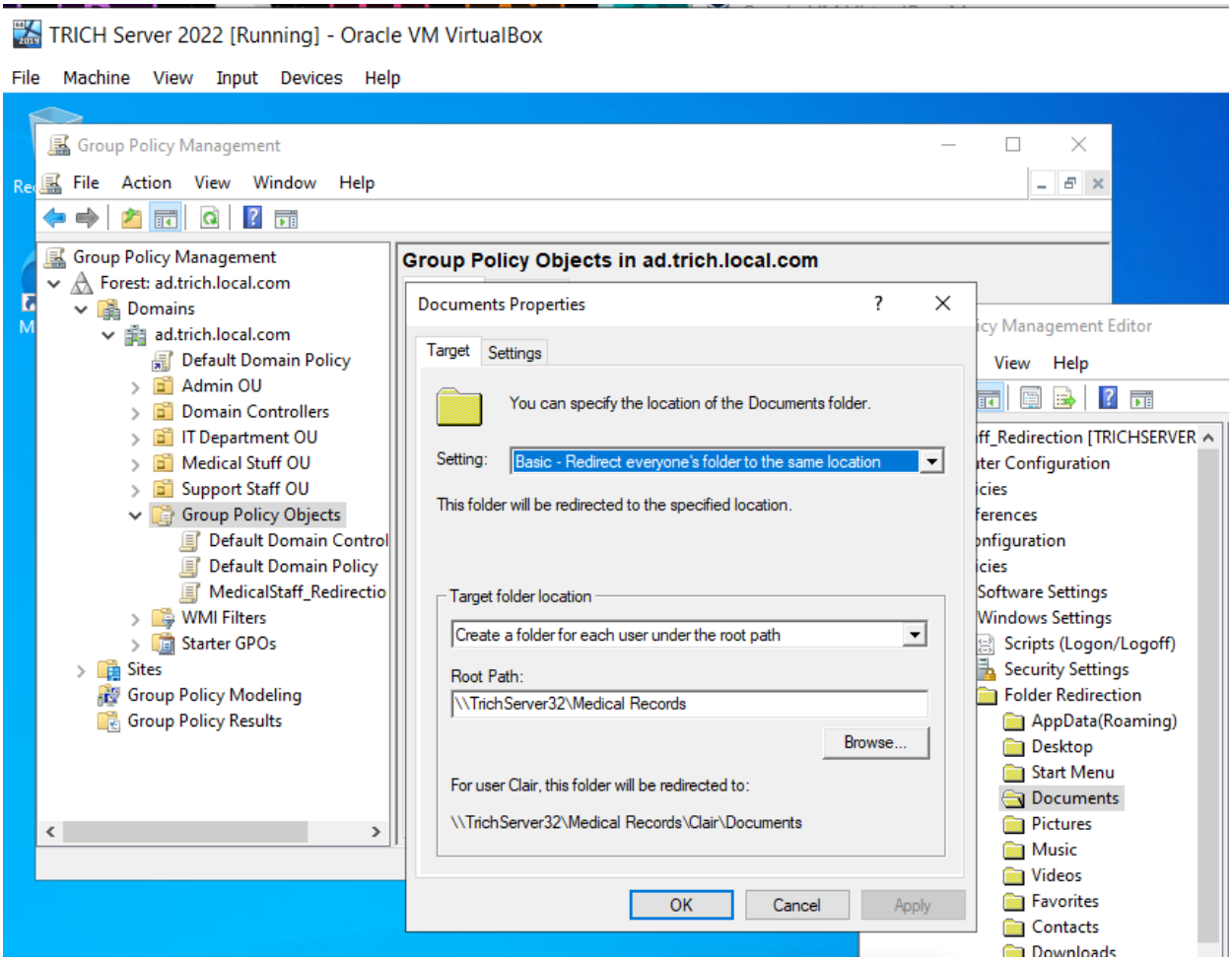
Folder Redirection Settings



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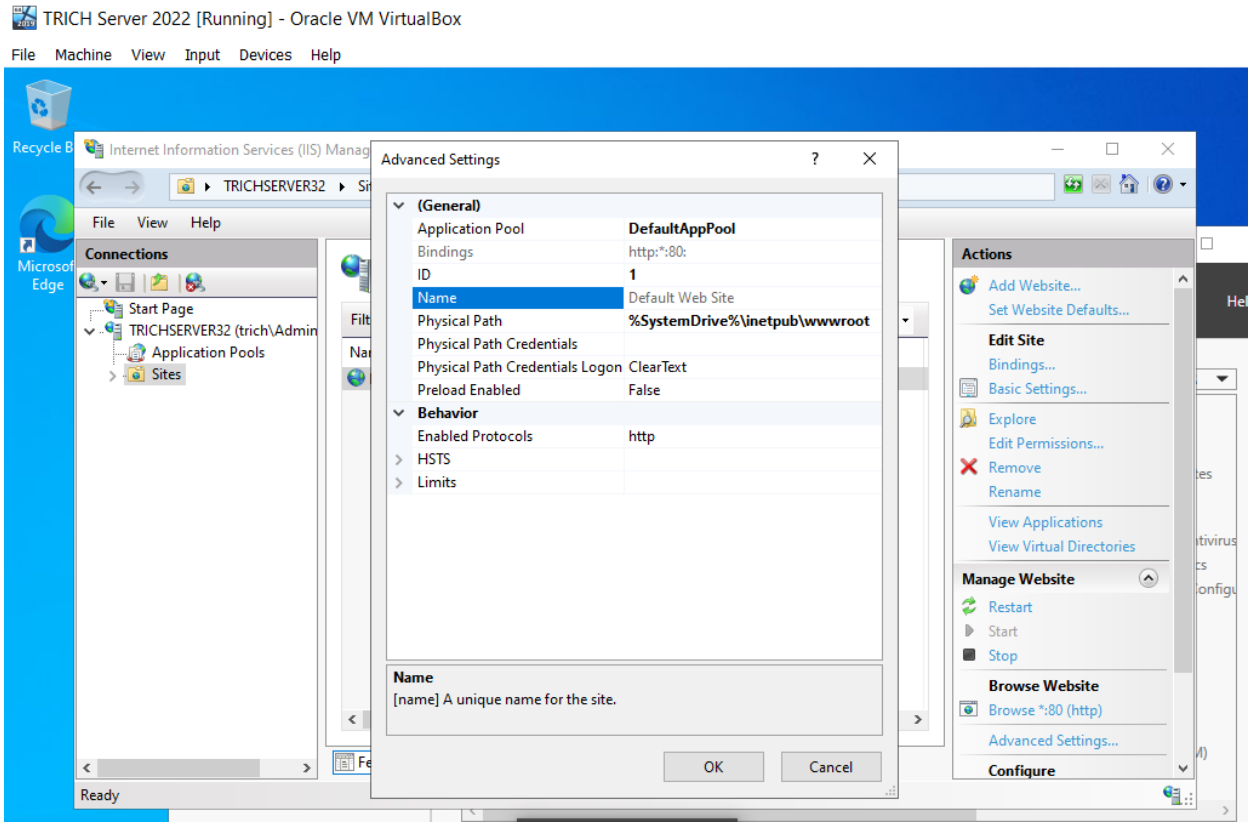
Advanced Settings of website



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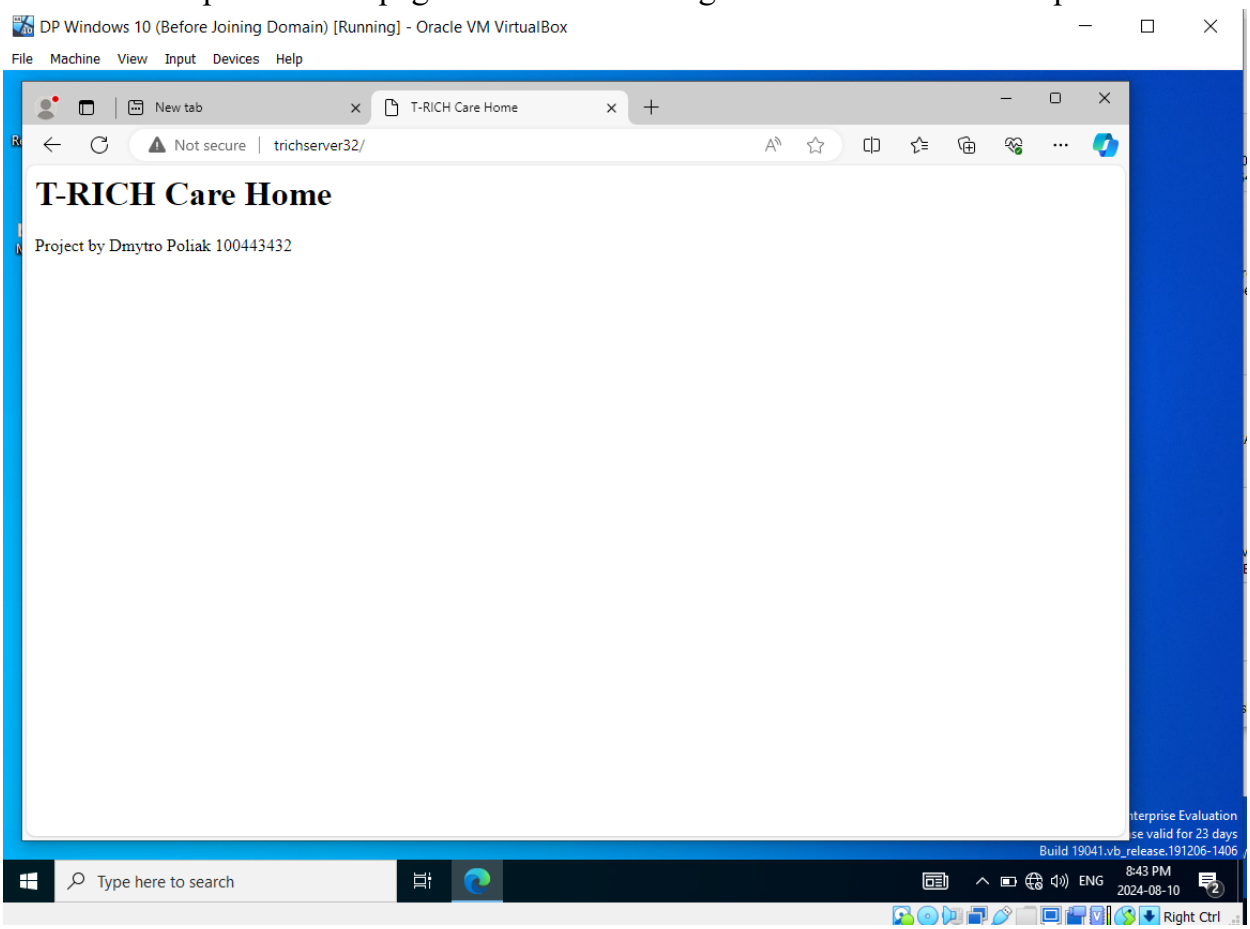
Open the web page on the server using a browser on the desktop



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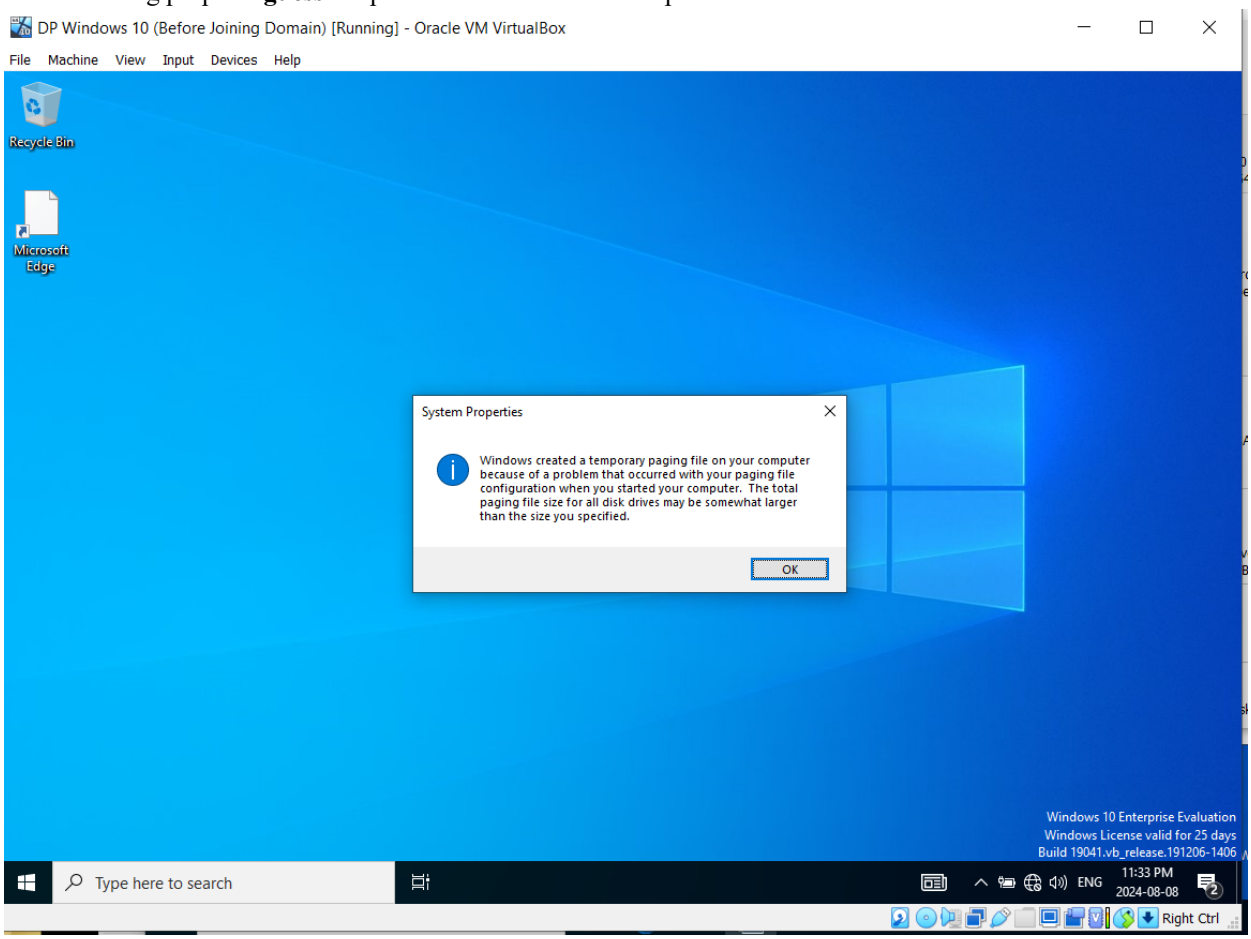
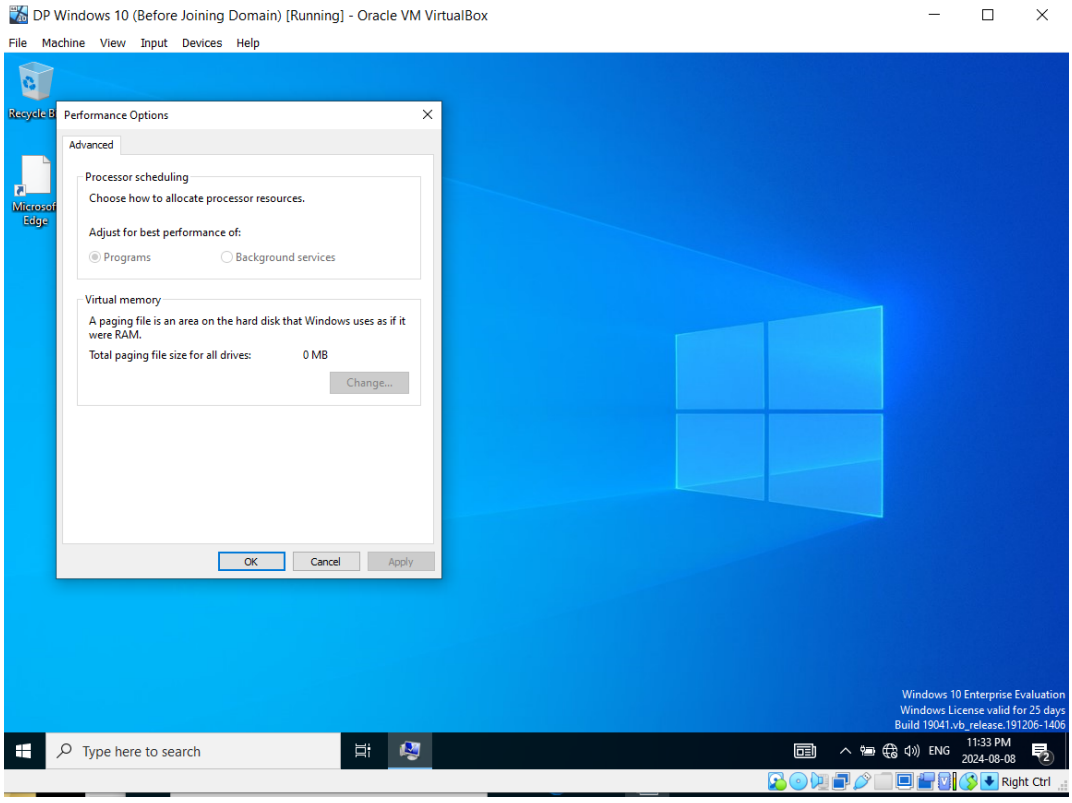
Folder Redirection:

Is not working proper. I **guess** the problem is in the low disk space.





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Work Needed to Install and Deploy the System at T-RICH Facility

To set up the system at the T-RICH facility, we'd need to put together all the physical hardware like servers, workstations, and network devices. The servers would have to be configured with roles like Active Directory, DNS, and IIS, just like in the virtual setup. We'd also need to join the staff workstations to the domain and set up the printers for each department. After everything is connected and working, it would be important to test all the group policies, folder redirection, and security settings to make sure they work correctly. Finally, we'd need to train the staff on how to use the new system.

Reflection on the Project

This project was both interesting and challenging. One of the toughest parts was figuring out the right permission structure to create, as it was important to make sure everyone had the right access without creating security risks. The folder redirection issue was also difficult because, even though I set it up correctly, it just didn't work as expected. The IIS setup took longer than I thought, especially getting the right home page to show. But it was a good learning experience, and it helped me understand more about setting up and managing servers, Active Directory, and IIS. Overall, I learned a lot from this project.

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