# CYSE 680 – Windows System For Cybersecurity

**Lab Assignment: Windows Fundamentals 2 & 3 Using TryHackMe**

**Objective**

In this week's lab assignment, you will use **TryHackMe** to explore Windows system administration and security features. This hands-on exercise will introduce you to Windows system configuration, system management tools, Windows security features, Windows Firewall, network protection, and other Windows security tools.

TryHackMe is a valuable cybersecurity learning platform that provides interactive, practical training in ethical hacking, penetration testing, and system security. You are encouraged to use your personal or student account to strengthen your technical skills and support your future cybersecurity career.

**Lab Platform**

**Website:** https://tryhackme.com/

**Rooms:** Windows Fundamentals 2 and Windows Fundamentals 3

**Room Links:**
Windows Fundamentals 2 – TryHackMe

Windows Fundamentals 3 – TryHackMe

**Assignment Instructions**

1. Access the assigned rooms and follow all instructions provided on the platform.
2. Complete **every task and question** in the assigned TryHackMe rooms.
3. Carefully read the explanations and perform the practical activities as instructed.
4. Take clear screenshots of **each completed task, question, and required activity**. Screenshots must provide sufficient evidence of your work and answers.
5. Include all required screenshots in a Microsoft Word document.
6. For each task or question, provide a brief explanation of **2–3 complete sentences** describing what you did, what you observed, or what you learned.
7. Organize the document in the same order as the TryHackMe rooms to ensure that all activities are easy to follow and evaluate.
8. Review your document before submission to confirm that no questions, screenshots, or explanations are missing.

**Required Documentation Format**

For each activity, use the following format:

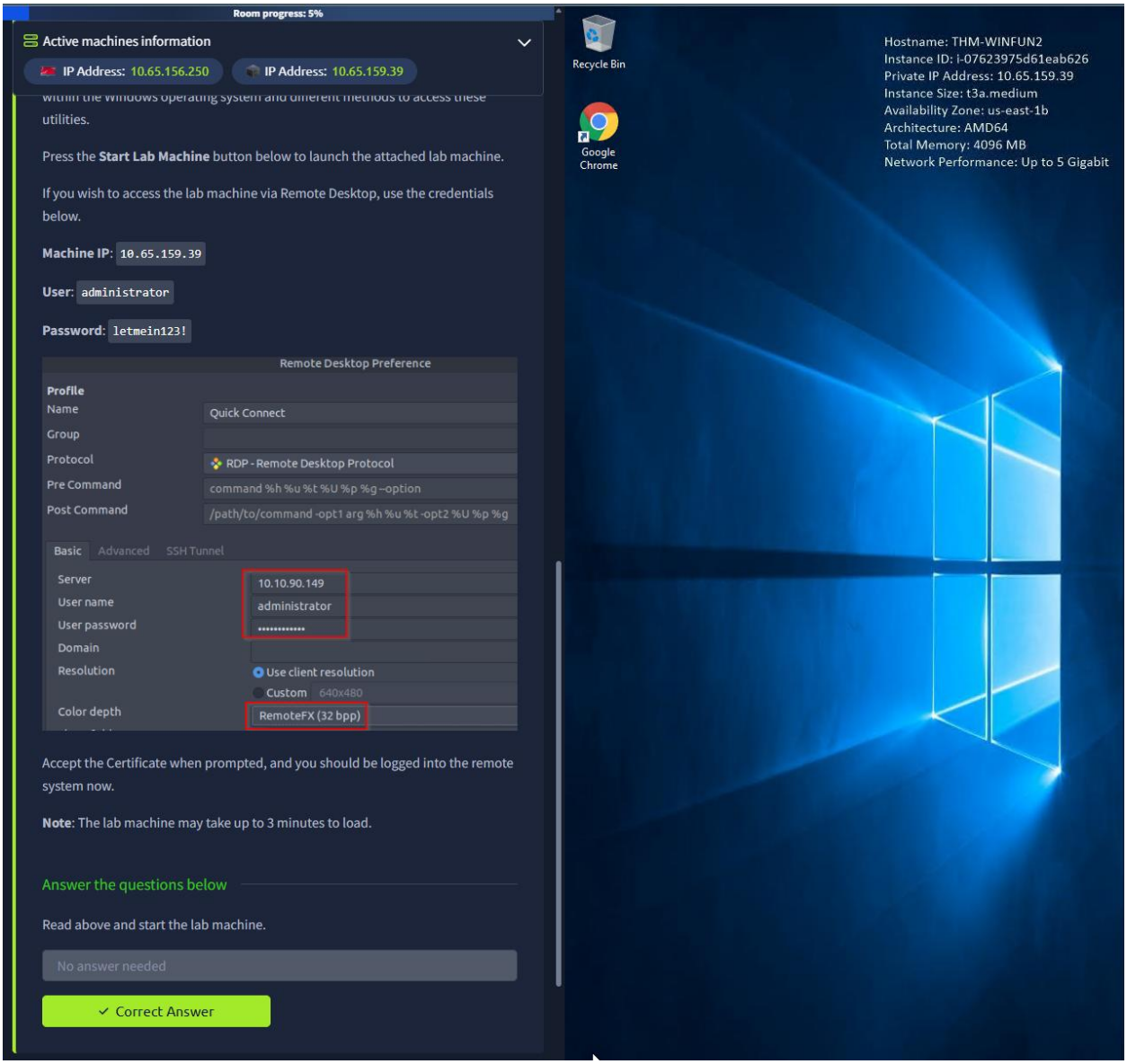
**Task/Question Number:** [Enter task or question number]

**Activity:** [Briefly describe the activity performed]

**Screenshot:** Insert a clear screenshot showing your completed work.

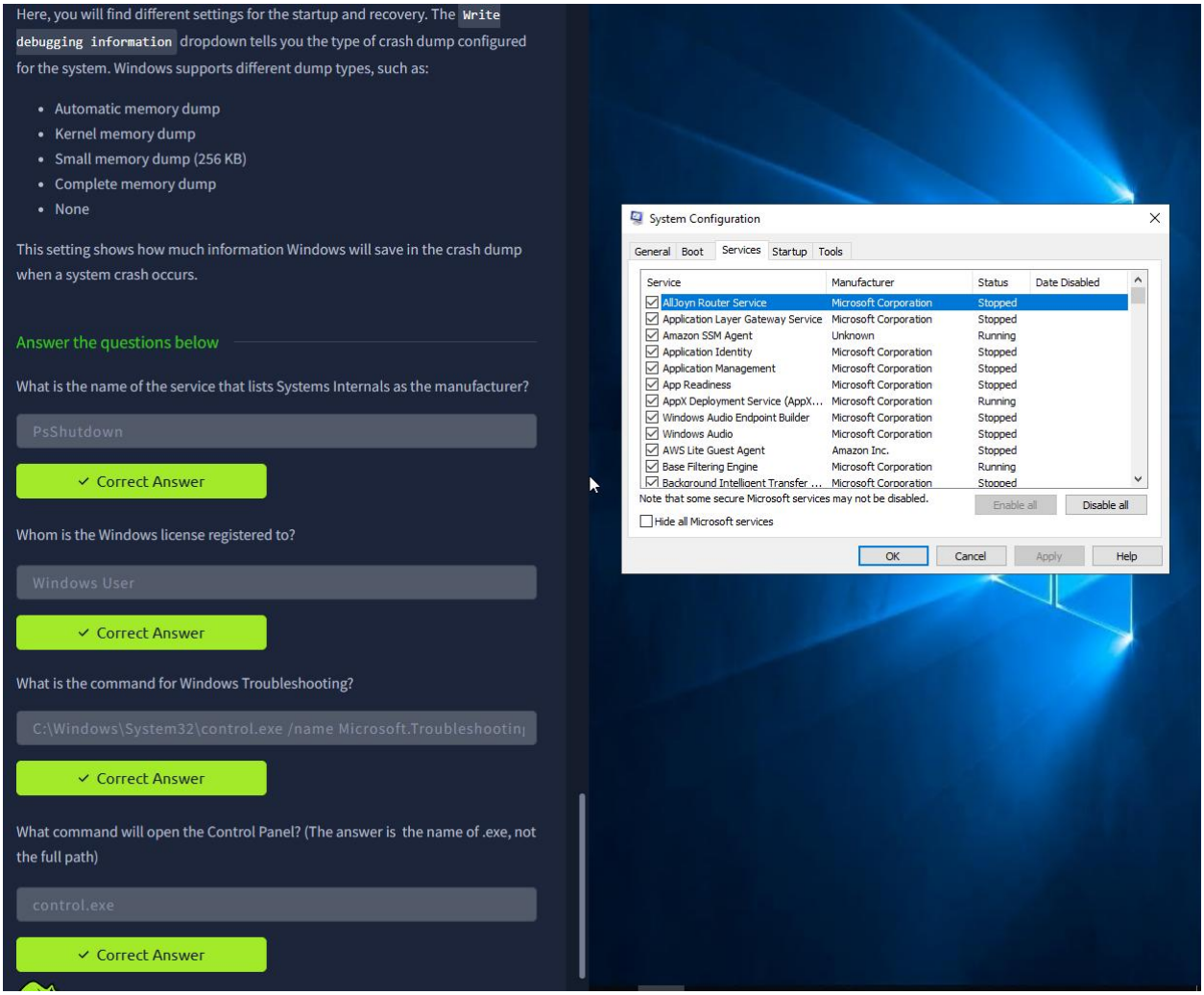
**Explanation:** Write 2–3 sentences explaining the activity, your observations, or the concept you learned.

1. Start Lab Machine



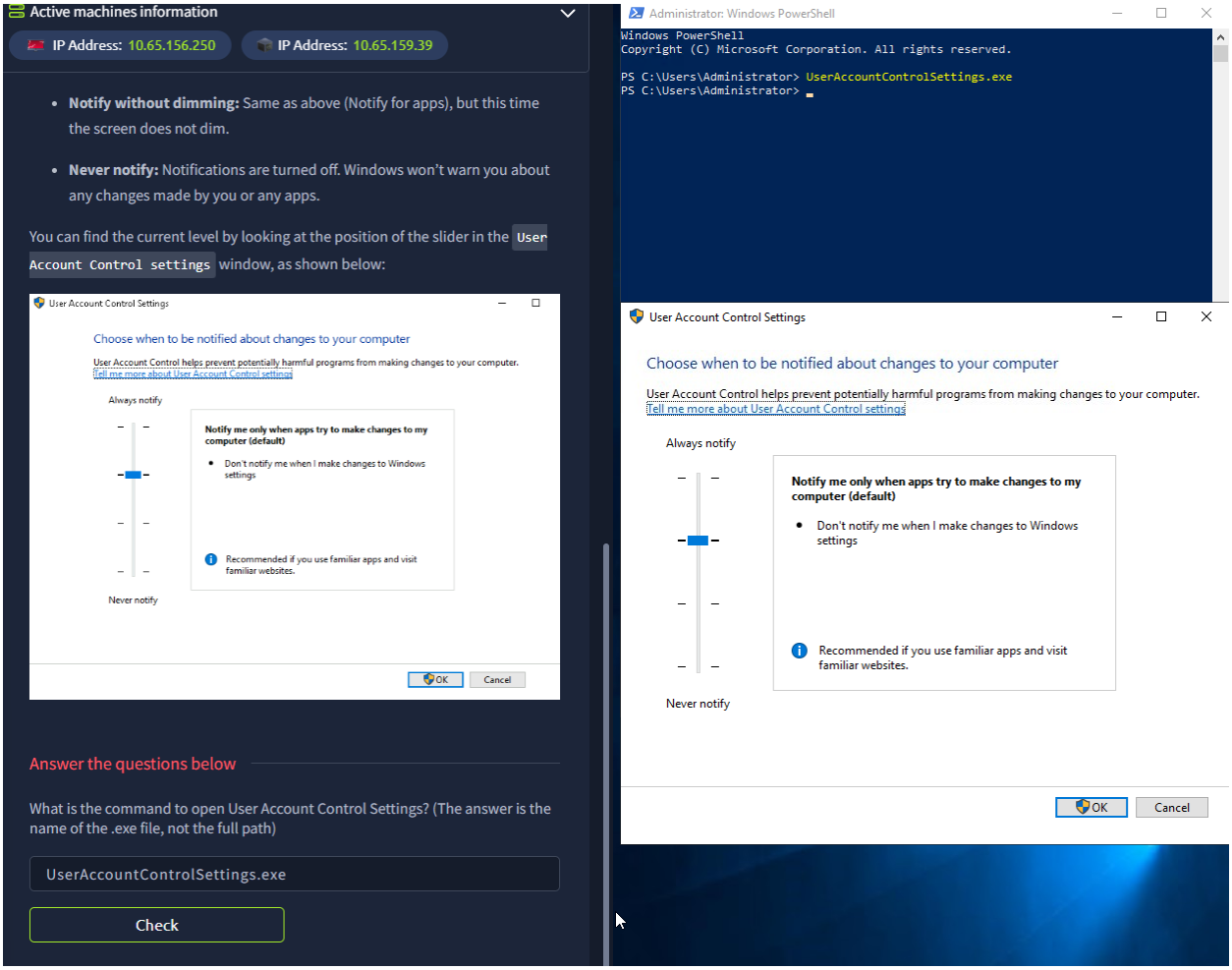

This task is the introduction. It involved starting the virtual machine and covered connection methods.

2. System configuration and Advanced System Settings



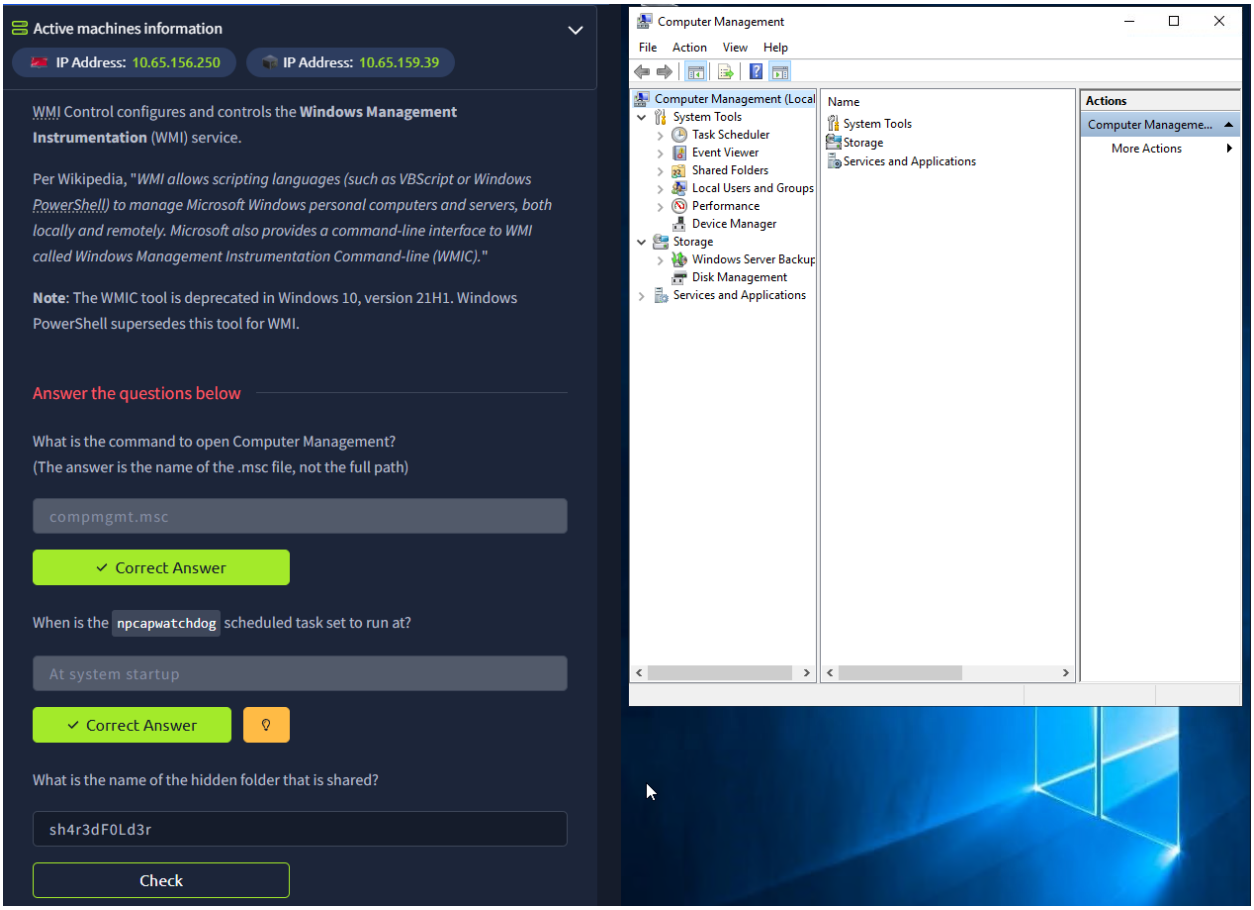

This task covers system configuration and advanced troubleshooting techniques. The prompts included commands related to troubleshooting and basic information related to hardware and the Windows license.

3. Changing user account settings



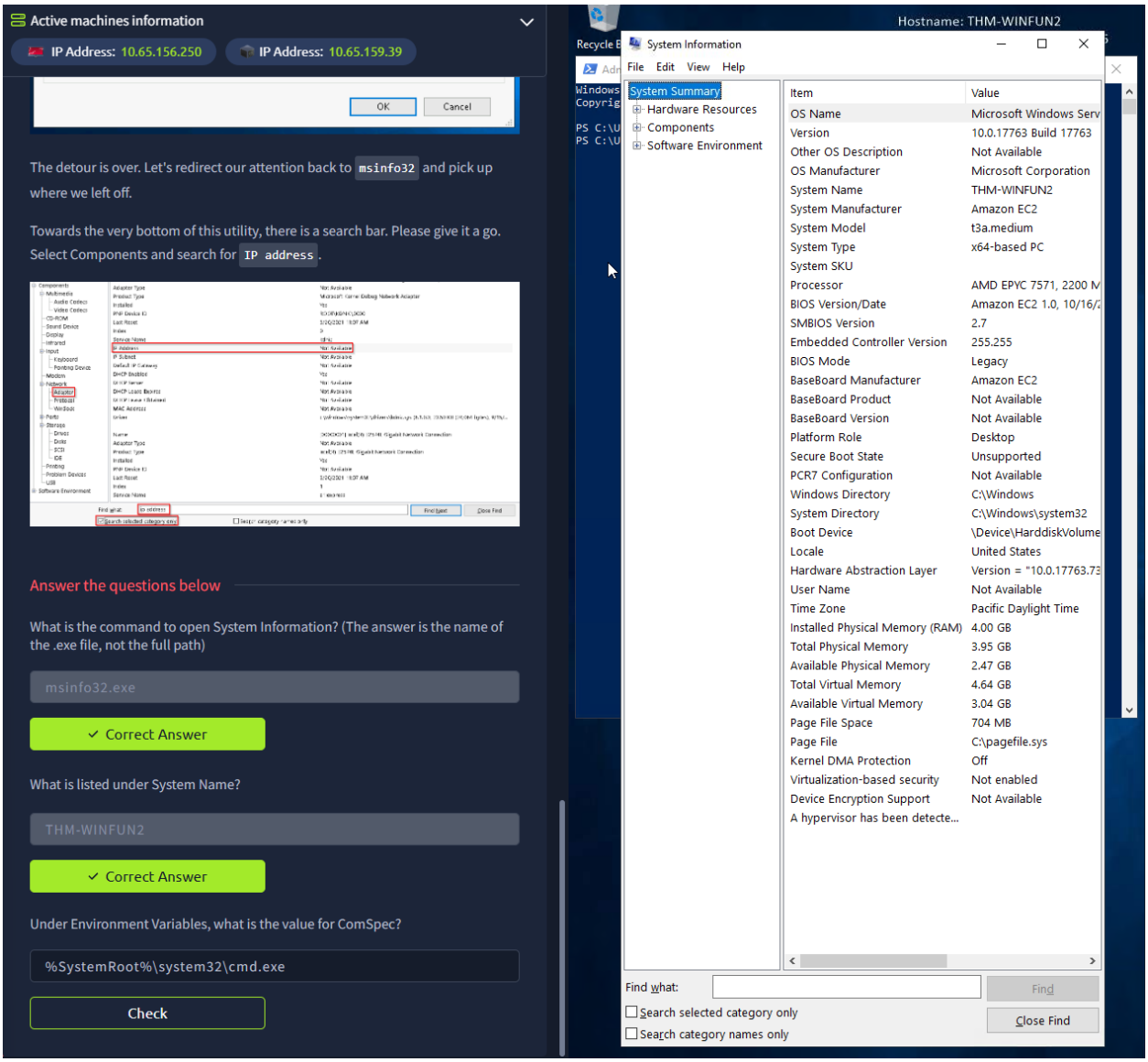

This task involves User Account Control Settings. The command to open the control settings was UserAccountControlSettings.exe. I executed this command in PowerShell.

4. Computer Management



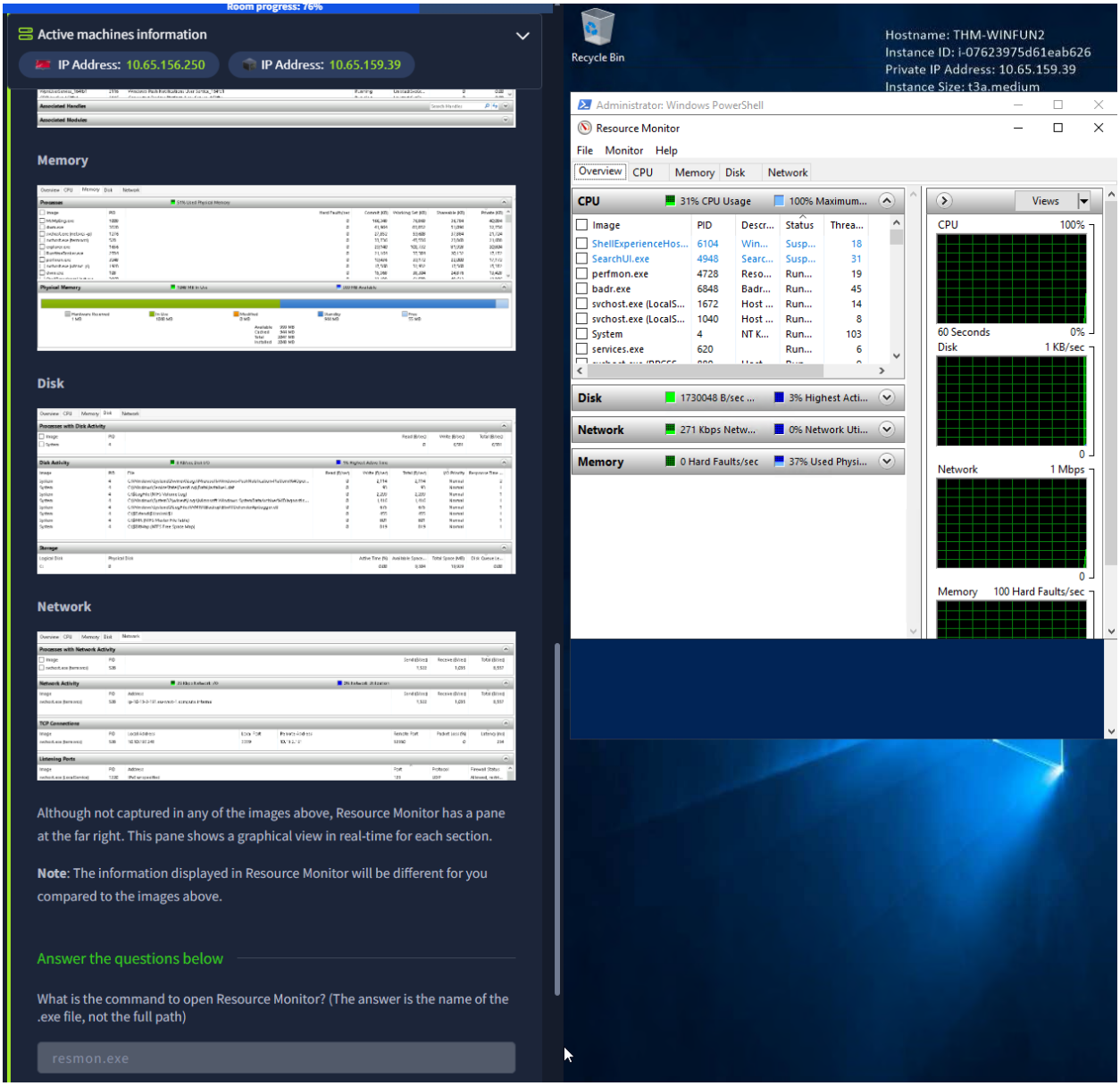

This task involves creating tasks, managing devices, and managing storage. Computer Management can be opened using compmgmt.msc.

5. System information



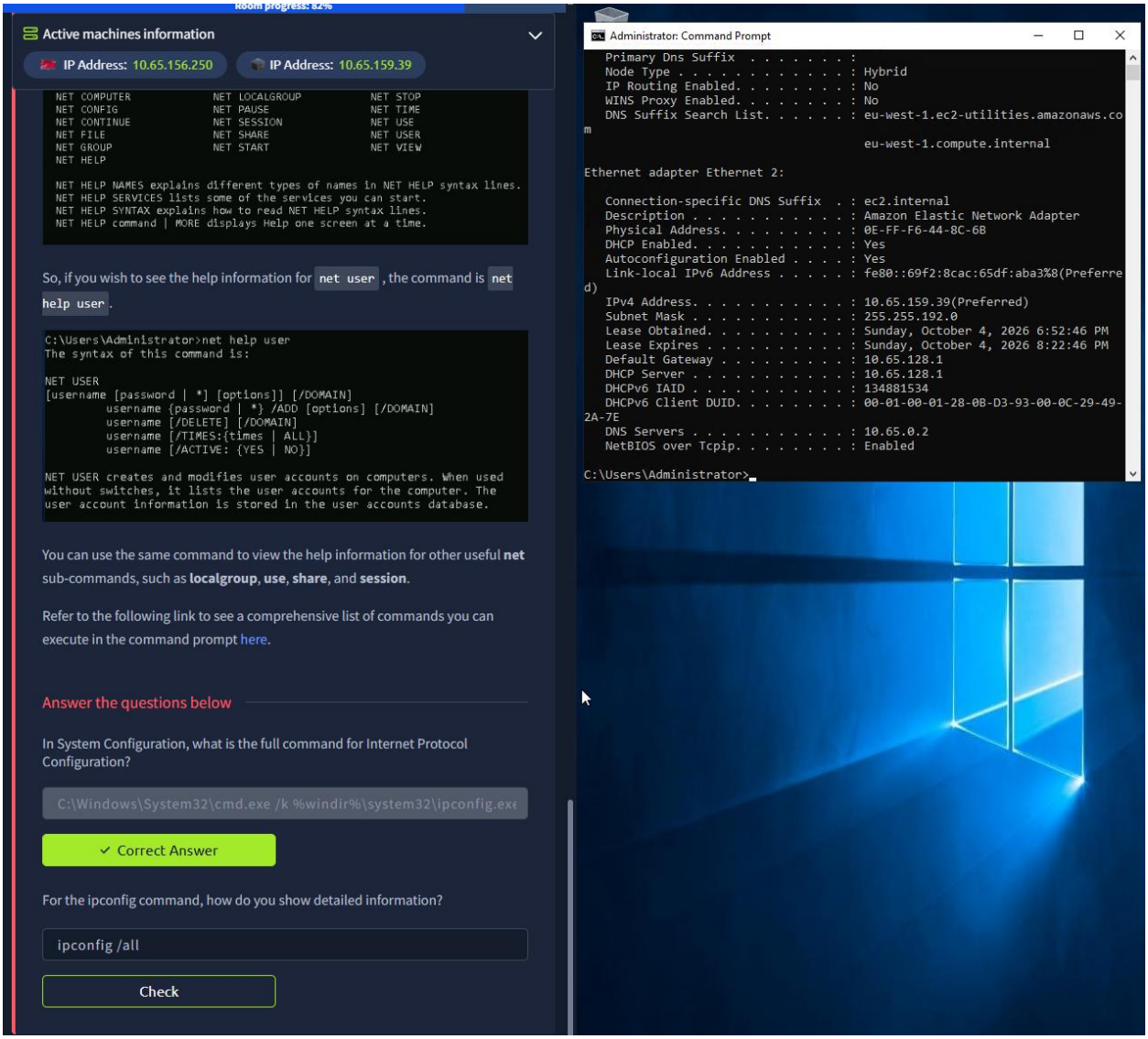

This task involved investigating system information such as the system name. Using msinfo32.exe, I was able to find the system name.

6. Resource Monitor



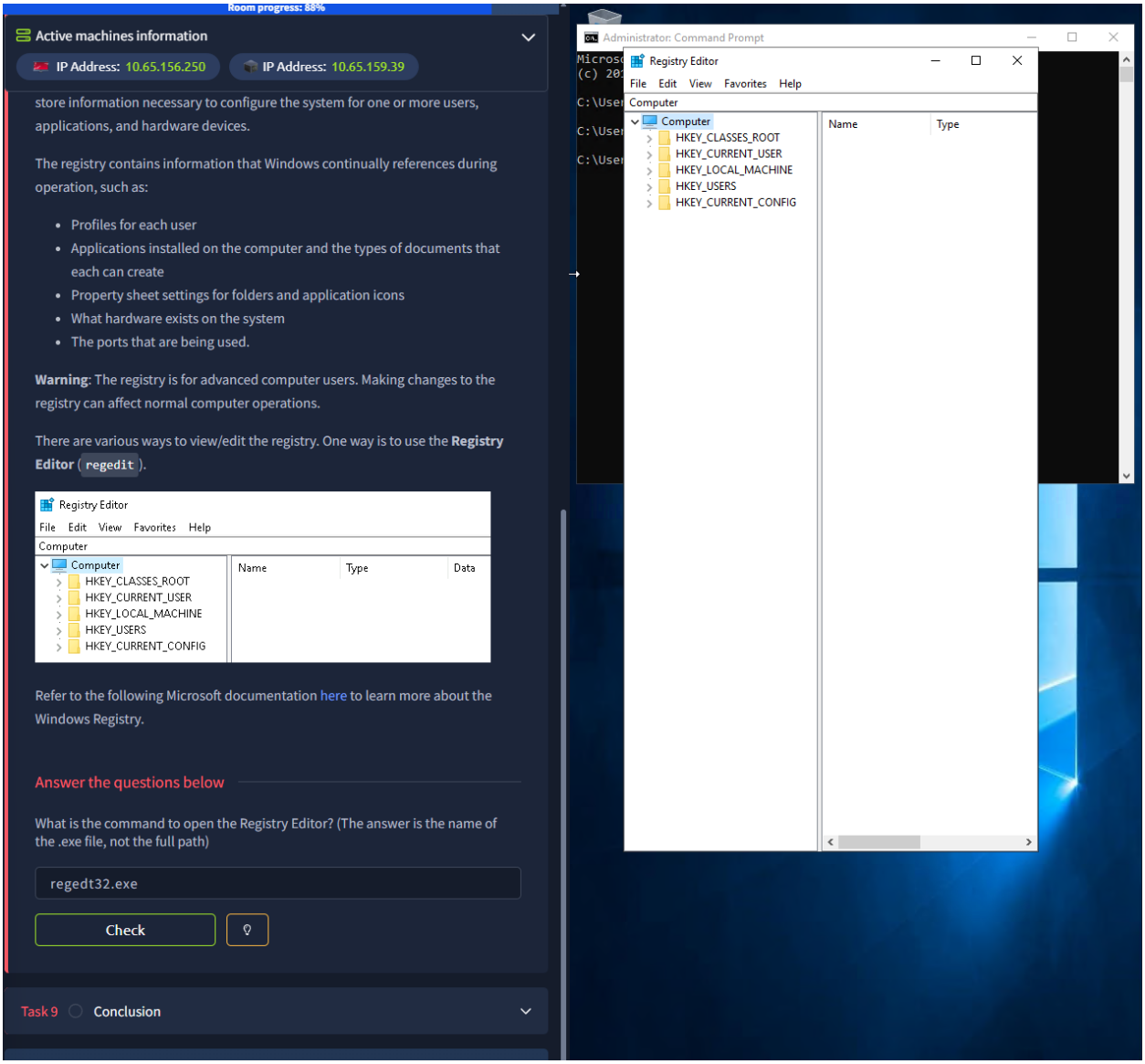

This task involved using the resmon.exe command to view system resources. Using this command, I was able to view CPU, Memory, Disk, and Network usage.

7. Using Command Prompt



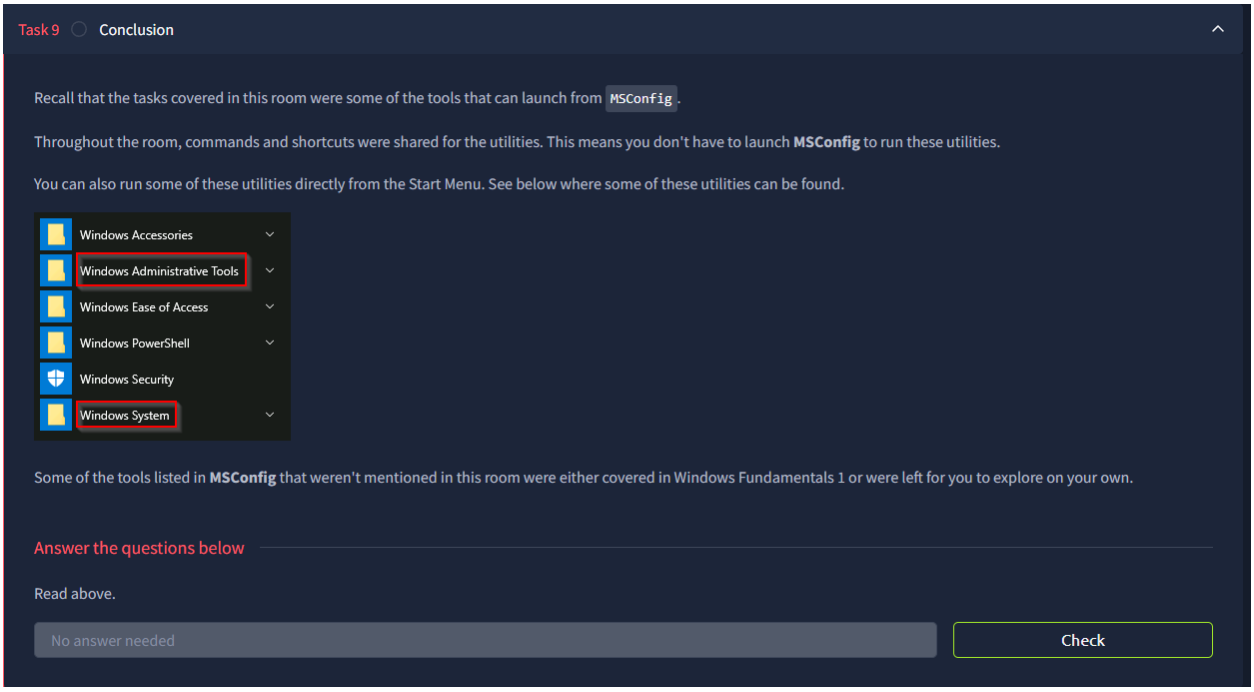

This Task involves network configurations. Network information can be viewed using the ipconfig command.

8. Registry Editor




This task involves launching the Registry Editor. This can be done using the command regedit.exe or, in the case of what the lab was expecting, regedt32.exe.

9. Conclusion




This task is the conclusion of the module. It provides a list of utilities that can be run without using MSConfig.