

Capstone Infrastructure

Objectives:

- Cloud migration
- Building out secure computer
- Migrates VMs into azure

Steps VMWare

1. Custom (advanced) -> Next
2. I can give more resources if you want
3. Hardware compatibility: Lowest compatibility layer -> workstation 17.5
4. Installer disc -> browse -> click the iso that we downloaded -> easy install is available -> next
5. You dont need windows product key
6. Version:
 - a. Use windows server 2022 standard
 - i. Core provides limited functionality (we arent going to use)
7. Define username and password
 - a. Name: standardized towards a naming convention (must be for capstone)
 - b. Password should follow best policy rules
8. Virtual machine name:
 - a. Give a name that is worth remembering (designates the VM)
 - b. Location, just put it in CPSC 253 folder
9. Keep at UEFI
10. Number of processors:
 - a. Free to increase or decrease (bare minimum is 2 -> choose whatever best for laptop)
11. Memory for this virtual machine (RAM) Just follow recommended memory
12. Keep at Nat translation
13. LSI Logic SAS (recommended)
14. NVMe
15. Create a new disk
16. Recommended to keep at 60 gigs
17. Make sure splitting into multiple files
18. Next
19. Confirm the specs -> finish
20. Download Server Manager [Driver->let finish]
21. VM tools [Driver-let finish]
22. Restart
23. Cannot do ctl alt delete -> click button to the right of the black ops 2 symbol

24. Bottom left go into settings (type settings) -> system -> about -> click rename this pc -> Give it a unique name (MUST BE UNIQUE) will show up on every network list, host name... ->
25. Search -> computer management -> local users and groups -> right click administrators -> Give password and click ok
26. Top right click manage -> next -> role based feature based -> make sure your name is set appropriately -> next -> select active directory domain services -> click next -> scroll to the bottom and click windows subsystems for linux -> next -> next -> at the top click the check mark -> yes -> install -> wait
27. Deployment configuration for SERVER MANAGER (maybe open server manager)
 - a. Active directory domain services configuration wizard
 - b. We cannot add it to an existing domain so we click "add a new forest"
 - c. The Root domain must be GLOBALLY UNIQUE
 - d. Ending with .org
28. Create a new password for recovery mode
29. Next
30. Next
31. The net bios domain name should auto-populate -> next
32. Next
33. Next
34. Will run a prereq check (Popular error, your password is not secure)
35. Click install!
36. Will restart

Server Manager

VM tools