

# Task 4 - Basic Server Configuration Part 2

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- 1) What steps did you take to configure the network settings, and how did you verify that they were correctly applied?
  - a) Set Network Adapter: In VMware, select the VM and set the Network Adapter to Bridged or Custom (VMnet).
  - b) Assign Static IP: In Windows Server, go to Network Settings, set:
    - i) IP: 192.168.0.20, Subnet: 255.255.255.0, Gateway: 192.168.0.1
    - ii) DNS: Preferred - 127.0.0.1, Alternative - 8.8.8.8
  - c) Rename & Workgroup: Change Computer Name to CCSDC01, Workgroup to CCS, then restart.
  - d) Verify Settings: Run ipconfig, ping 192.168.0.1, and hostname in Command Prompt.
  
- 2) Why is it important to set a preferred and alternative DNS server, and how do they impact network connectivity?
  - a) Setting a preferred and alternative DNS server ensures reliable name resolution and network connectivity. The preferred DNS (127.0.0.1) allows the server to resolve domain names locally, while the alternative DNS (8.8.8.8) serves as a backup if the primary DNS fails. This setup improves reliability by ensuring uninterrupted connectivity and enhances performance through faster name resolution and caching, leading to better browsing and system response times.