Task 1:

* VPN tunnel connections:
  + 172.16.10.0/24: Screened Subnet (Prod-Joomla)
  + 172.16.10.0/24: Userspace Subnet (Security Desk and Workstation)
  + 172.16.10.0/24: Production (AD-Server, Fileshare, Database)
* Encryption: AES\_CBC
* Hashing: HMAC\_SHA2
* Added NAT Rule: Routes http and https requests first to the main firewall, and then internally to Prod-Joomla

Task 4:

* Samba: File sharing systems that allows files to be shared across different operating systems over a network
* SFTP: Secure File Transfer Protocol. Protocol which uses secure shell encryption to provide security for sending/receiving files
* Why Fileshare wants to allow: These are two common methods of transferring files, so it makes sense that the fileshare system will need to permit them to operate.