

Andrew Plum

Mr. Alves-Foss

Cyb 110

11/17/21

Network Diagram Questions

1) The rules I would put in place for each firewall would be to allow firewall 1 to allow traffic from the internet to DMZ_service and DMZ_web. For firewall 2, I would have rules to allow traffic from DMZ_web to internal server and internal server to DMZ service. I would also implement a whitelist of allowed traffic for both firewall 1 and firewall 2.

2) I would ask the manager/users a few questions about the additional rules concerning this diagram. One of them would be is what purpose does DMZ_service serve? Is it a proxy server? Another question would be is any traffic bypassing the 2nd firewall from the DMZ service to internal network? Also, what does the line on the bottom of the diagram mean? Does it refer to the traffic bypassing the firewalls? And is the tunnel past firewall 2 on the internal network side supposed to be a VPN tunnel? Another question would be is DMZ_web a website (like a company website)?

3) If users wanted a particular service, I would need to know before enabling it what it is and why they would want it. You would want to know the answers to these questions so that you will know if enabling it will jeopardize the security of the network. Knowing what the service is will help you in vetting the service and knowing why they want the service will help you decide if the service is worth enabling. Knowing the answers to these questions will help determine if the service is a good addition to the network.