

## Project 1 the “why

The reason for creating this project was to understand the architecture, security, and practical applications for Azure's cloud network. The architecture was created with a jump box virtual machine within the production network so that the user could then ssh into either the web virtual machine within the same subnet or the ELK machine in the management subnet for added security. The ELK virtual machine hosted the ELK application which forwarded logs through web1 server and into ELK through the web application kibana. Also, a load balancer was placed in front of the Production resource group so that only healthy HTTP port 80 traffic would be allowed through to the production subnet.