Metropolitan Transportation Authority Presentation

NPC#1:

We were given the task of building a well functioning network for the Metropolitan Transportation Authority with multiple sites like the subway stations, the bakery and such.

Requirements:

Given the minimal differences between the subway stations’ topologies it is sufficient presenting one site only. Providing internet connection and layer 2 redundancy for the parlor and the network infrastructure at the subway station.

Installing a network for the offices, the server room, the admin room, the parlor, and the reception inside the headquarter building of the company. Providing a private wireless internet access for the employees. Build a VPN connection between the HQ and the remote server farm therefore merging the two routing areas into one.

Designing the network with layer 3 redundancy for the garage/repair station so it may be available at all times, because it is crucial to send diagnostic data to their colleagues at HQ which may be used to calculate and notify the passengers of the down time of transportation vehicles.

Installing the remote servers in the Rocky Mountains and configuring the services on them.

Ensure the connection of the remote worker.