Network Tower – Supporting Information

The North London Foundation Trust network is made up currently of two separate networks. These were built for the separate legacy organisations. The network architectures are broadly similar though each has used differing vendor solutions to achieve their LAN, WAN, WLAN and Perimeter Security objectives. It is also important to know that HSCN, Internet and Cloud connections are provided to the southern and northern networks separately as it stands.

The Current network is depicted in the following diagram:

A diagram of a network

AI-generated content may be incorrect.

The tactical network Solution (In implementation) provides a bridge between the two legacy networks using a site-to-site VPN, with IP networks allowed on a case by case basis beyond the initial implementation and migrations. The following diagram depicts the network bridge:

A diagram of a cloud network

Description automatically generated

A List of network assets (Approximate numbers)

|  |  |  |
| --- | --- | --- |
| **Type of Asset** | **Northern Boroughs (Legacy BEH) Qty** | **Southern Boroughs (Legacy C&I) Qty** |
| Firewalls | 4 (Shared Infrastructure) | 3 |
| Routers | 54 | 57 |
| Switches | 328 | 275 |
| Wi-Fi Controllers | 4 | 8 |
| Wi-Fi Management, Monitoring, Authentication | 4 Clearpass Servers  2 Airwaves Servers | 4 ISE Servers  1 Catalyst Center |
| Access Points | 558 | 398 |

An initial SWOT analysis has been completed:

