Team: Team 3

Inject Number: 38

Inject Duration: 75 Minutes

Inject Start Date/Time: Sat, 24 Mar 2018 12:50:27 -0500

From: IT Director

To: To Infrastructure Team

Subject: [O-220] IPv6 Support

We have been notified by a key customer that we will need to able to support IPv6. The only way we will be able to communicate with them is via IPv6.
Develop a report that describes our ability to support IPv6. We will need an inventory of devices and whether they are IPv6 ready. Include routers, firewalls, switches and servers.

The company has been assigned the prefix 2001:AB8:6E26/48. We need to be able to support our networks (External, DMZ, Server, and Workstation) and potentially 10 other networks for external customers. Design an address structure from our address block (subnet scheme) for at least 14 networks. Ensure that you follow the subnet rules and requirements established in publications and best practice. Cite the references/standards utilized in establishing your subnet addressing scheme.

Respond with a management memo that documents the inventory and address space design. Use a table to document each IPv4 host and what the corresponding IPv6 address will be.

Thank you.

IT Director