**Executive Summary**

Per your request, a local DNS server was provisioned in order to provide the CCDC intranet with a mechanism for resolving local domain names. As a result, each host on the practice LAN has a corresponding domain name at ccdc-net.local, which may be resolved via normal or reverse DNS lookups. As requested, the following local DNS records have been configured:

|  |  |
| --- | --- |
| **Domain Name** | **IP Address** |
| dns1.ccdc-net.local | 192.168.14.218 |
| iso-webserver.ccdc-net.local | 192.168.14.232 |
| pfsense.ccdc-net.local | 192.168.14.1 |
| fakerecord.ccdc-net.local | 192.168.14.2 |
| alec-laptop.ccdc-net.local | 192.168.14.225 |

Consolidating DNS configuration into a single machine in this way allows for centralized management and configuration of network services, which includes increased flexibility for failover and recovery. The deployment of a local DNS service additionally provides a clear audit trail for certain types of malicious traffic detection, as well as certain security and performance improvements for existing infrastructure.