Research Practice - Windows DNS Server

Vulnerabilities in CyberPatriot

- Usually no clear instructions on how to fix
  - Hinted at through the readme
  - Hinted at through the forensics questions
  - Broad ideas presented in vulnerability categories
- Do not require elaborate patches
- Should make some kind of change to system files/the registry
- Operating System Specific - no BIOS configuration

Practice Exercise

Try to compile a list of actions you could do to secure a Windows DNS Server

We will go over suggestions for what to do

Example Queries to Try

- Windows DNS Server - starter search term
- Powershell DNS Server
- Windows DNS Server Documentation
- Windows DNS Server Configuration
- Install Windows DNS Server
- Windows DNS Server Vulnerabilities (often too specific)
- Security/Hardening Guide Windows DNS Server
- DNS Server Windows CMDLet

Example Links

- https://social.technet.microsoft.com/Forums/en-US/c06885bd-abf6-4262-9ec5-6e80ab253723/hardening-guide-for-dns
- https://docs.microsoft.com/en-us/powershell/module/dnsserver/?view=win10-ps
- https://www.osradar.com/how-to-install-and-configure-a-dns-server-in-windows-server-2019-2016/