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NECCDC Binder Docs

Windows: Web Server

Configure Microsoft IIS

IIS: File Locations

- Web code: *C:|inetpub\wwwroot*
- Logs: *C:|inetpub\logs\LogFiles\W3SVC1 # or a similar file for other sites*

IIS: Install

1. Open server manager.
2. Open “add roles and features”
3. Select “Web server (IIS)”
4. The web server will start immediately after the role is installed.

IIS: Setup Site

1. Open “Internet Information Services Manager”
2. In the left pane, click on your server.
3. Under sites, select “Default Web Site.” This is the IIS default site.
4. Click on “Sites” and “Add Website”
5. Enter a site name and path to the web files. Adding a hostname is not necessary unless you need others to be able to connect to the site with a URL, not an IP address.

IIS: Secure Site Connections (HTTPS)

1. To secure site connections, the user can use SSL certification to enable HTTPS connections.
2. Open IIS Manager
3. Double click on the web server.
4. Among the icons, open “Server Certificates”
5. In the right pane, select “Create Self-Signed Certificate”
6. Name it anything, and store it as “Personal.”

7. After creating the certification, it can be added to an existing site. Right click on the site, select “Edit Bindings,” and add an HTTPS binding. Select your newly-created cert as the SSL certificate. Remove the port 80 binding once HTTPS has been added.
8. After creating the site, it can be viewed like this: *https://192.168.20.12*
9. After setting up SSL, there is one last setting to change. In the site menu, open “SSL Settings.”
10. Under “Client certificates,” select “Accept.”

IIS: Secure Web Server

1. Move the web root directory to a different drive from the operating system. If a red team member compromises your web root directory, they can access the entire drive that the web files are on. If your server has multiple drives, separate the web files from Windows.
2. Check permissions of the web root directory. To do this, right click on the site and select “Edit Permissions.” The anonymous IIS user (the user in-browser) is “IIS_IUSR” in the group “IIS_IUSRS.” The anonymous user should only have permission to read & execute, list folder contents, and read. If they have other permissions, take those permissions away.