Windows 10 Hardening Checklist

Vamshi Bongu

Wilmington University

Newboston

**Windows 10 hardening checklist**

|  |  |
| --- | --- |
|  |  |
| Phishing protection | Windows 10 provides protection from Phishing attacks by using or placing user access tokens. Which eliminates some attacks |
| Application control | it will not allow untrusted application (device Guard). |
| Disable IPV 6 | IPV 6 passes the firewall without permission and IPV 4 as it has more tunnels. |
| Multifactor authentication | Windows 10 provides it at Operating level as it provides capability to use multifactor authentication. |
| Monitor DNS queries | Correlate queries and responses. |
| Disable IGMP | As it is in top layer of network and No Group Multicast is Used. |
| Disable port 1900 UPnP | as it can allow programs to auto configure the firewall which helps hackers. |
| Disable listening ports | As we don’t use them. |
| Code integrity | Protect the boot with secure wire frame updates and platform secure boot. |
| Install malware bytes anti-exploits | This protects the browser and Java by default protecting it from attack |
| Data catching | Focus on the edge servers. Search browsing history. |
| Install antivirus | Most antivirus has added features like browser protection and monitoring the network. |
| Password | A secured password can go a long way and very important in choosing a password |
| Secure the systems physically | Make sure those with access to the data center don't allow others in. |
| Disable Infrared file transfer | Hacker might use it to transfer malicious code to target system using it. |
| Turn off auto play | This feature is very important because it will help you scan the removable before letting it run any harmful programs in the PC |
| Disallow remote assistance | To prevent hackers from logging into your PC remotely |
| BIOS password | windows10 provide this feature and it required before performing any booting action thus securing system from hacking. |
| Bit locker drive encryption | it is very cool Feature it protects the data on drive as it does not allow any other version of OS to gain access to the drive. |