Metadata for Section [Four]

Section Description: Describe what this section intends to cover

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| **Video Number** | **Video Title** | **Problem / Solution (Not more than 50 words)** | **Step 1 (Not more than 10 words)** | **Step 2(Not more than 10 words)** | **Step 3(Not more than 10 words)** |
| 1.1 | Patching everything | Our OS are not the only thing that needs to be on a regular update schedule. Our switches, routers, application software and more are vulnerable to exploits. We need to consider a patch cycle. | Setup a patch cycle | Consider automatic updates | Some critical updates will take priority from your schedule |
| 1.2 | Anti-virus and console tools | An anti-virus is an often times inexpensive and easy protection for your computers. | An anti-virus should always be used | Update and scan schedules will likely need to be adjusted. | It’s a simple and efficient way to help with viruses, ransomware, etc. |
| 1.3 | Fake error messages, a look at scareware and what it is | Fake error messages can easily trick a user into taking a action that is not in their best interest We need to be able to understand and identify these. | Fake messages are generally designed to elicit fear | Do not pay these people you will lose your money. | When confronted pause for 5 minutes before acting. |
| 1.4 | Limiting user rights | Too much user rights can lead to insider attacks and/or a malicious hacker taking control of a lower user and gaining elevated access. We need to consider limiting user rights. | Evaluate users needs to work efficiently | Often times you will need a balance between security and usability | Have management approve user rights proposal |
| 1.5 | Application reduction, why you should slim it down | Bloated systems with unused application software increases our attack surface. We need to consider slimming down these unused programs. | Assess what programs are no longer needed. | Remove any old programs to deduce attack surface. | Applications that remain, patch/update on a regular schedule. |
| 1.6 | * VPN (What it is, why they are important) | VPNs can help keep us safe online, but what are they, how do they work, and how do we know which VPN to use? | VPNs are a great way to protect your privacy. | Research your VPNs before using. | Run a DNS leak test on any VPN that you are considering. |