Name: Rounak Bania Role: Intern at H1K0R

.....

## **Topic 1**

## Usage Of Chaps (Configuration Hardening Assessment PowerShell Script)

CHAPS is a PowerShell script for checking system security settings where additional software and assessment tools, such as Microsoft Policy Analyzer, cannot be installed. The purpose of this script is to run it on a server or workstation to collect configuration information about that system. The information collected can then be used to provide recommendations (and references) to improve the security of the individual system and systemic issues within the organization's Windows environment.

#### To Install CHAPS we have to do following steps:

- 1) Go to their GITHUB account and clone the official REPO.
- 2) We need to paste some Commands Follow the instructions thy provided
  - powershell.exe -exec bypass
  - Set-ExecutionPolicy Bypass -scope Process
- 3) run the chaps.ps1 in the terminal and wait for results.

# Time to adress the issues that CHAPS recognized on my Device

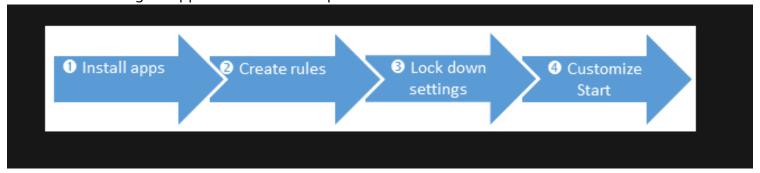
After Running The Chaps The Issues On My System are:

### There are some Minior issues.

- 1) Windows AutoUpdate is not Configured
  - FIX- We can enable auto updates from windows settings
- 2) Bitlocker not Detected (Bitlocker is a tool that we use to encrypt our Directories to make our files secure in windows)
  - FIX- We Can enable Bitlocker by searching bitlocker in windows search
- 3) Powershell 2.0 is Enabled
  - FIX- We can fix this by opening powershell as an Administrator and typing
  - powershell.exe Disable-WindowsOptionalFeature -Online -FeatureName

#### MicrosoftWindowsPowershellV2 -Remove

- 4) Applocker Not Configured (AppLocker helps you create rules to allow or deny apps from running based on information about the apps)
  - · We can Configure applocker with the help of windows forum



- 5) Multiple Local Administrators Group
  - we can change Account Type from Control panel in windows settings