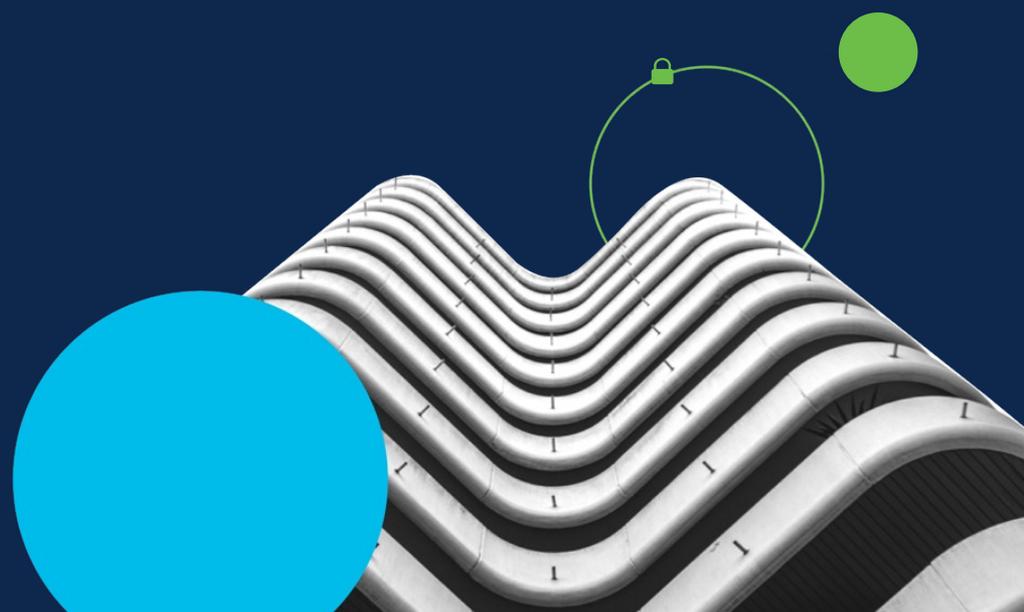


# Power User Webinar

## Tool it Yourself with the Kenna Toolkit

05/20/2022



Kenna Security is  
now part of Cisco.



# Presenters:



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# Agenda



- ▶ Kenna Toolkit – What is it?
- ▶ Setup steps for Podman
- ▶ Tasks Format
- ▶ Example Task – Security Scorecard Demo
- ▶ Q&A

# The Kenna Toolkit – What is it?



# Setup Podman on Windows

- Install Windows Subsystem for Linux (wsl)
- Download Linux Distro from the Microsoft Store
- Install buildah (<https://buildah.io>)
- Install podman (<https://podman.io>)

(some reference commands provided in a later slide)



# Potential Issues with the Setup

- Linux Distro not using WSL version 2

In a cmd prompt, type the following to see what WSL version is being used

- `wsl -l -v`
- `wsl --set-default-version 2 # set default version`
- `wsl --set-version Ubuntu-20.04 2 # set wsl version to be used by Ubuntu`

- No network connectivity in podman

WSL overwrites your resolver file on start-up with initial entries that do not work. Here are steps to fix:

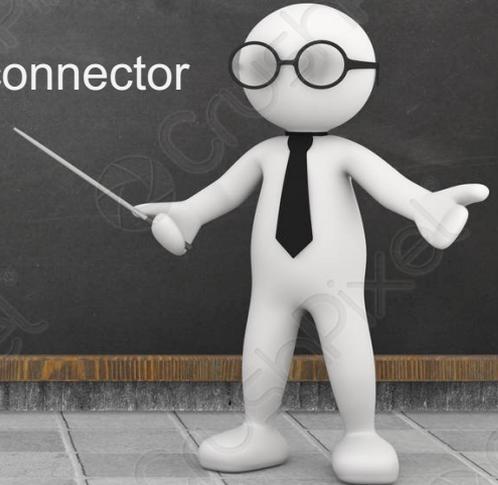
- Obtain your DNS name servers. Run the command below on a cmd prompt. Grab the details for 'DNS Servers'
- `ipconfig /all`

- Go into your Ubuntu distro and run the following commands to delete the existing resolv.conf file, edit wsl configuration to stop overwrites and create a new resolv.conf file with your name servers (DNS servers) obtained from the previous step.

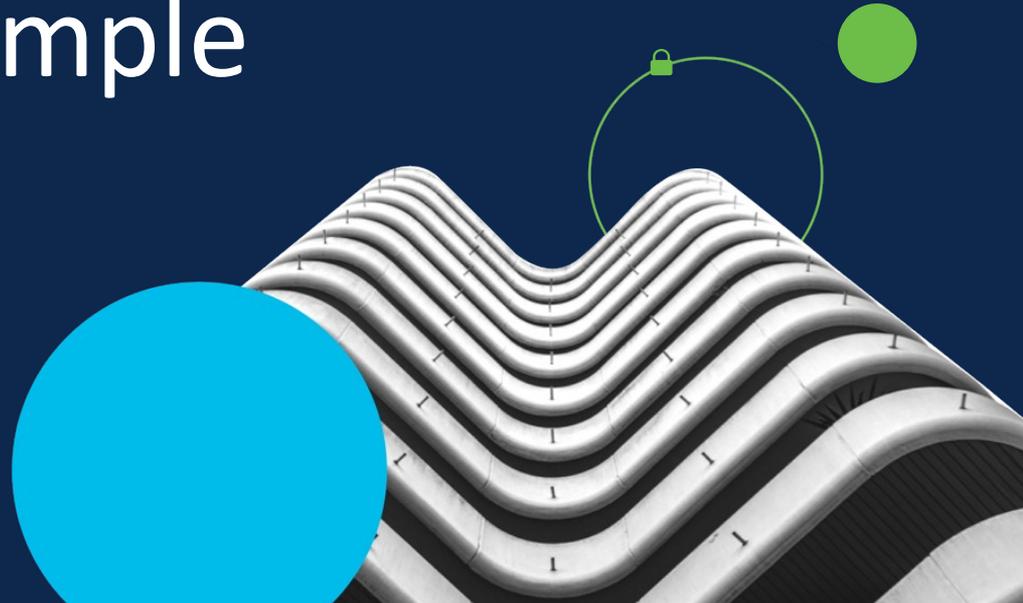
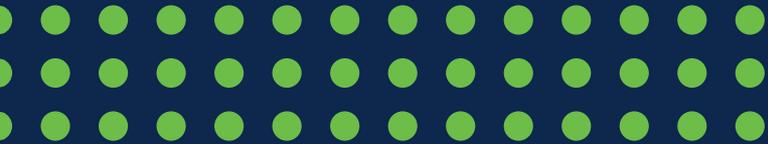
- `sudo rm -Rf /etc/resolv.conf`
- `sudo echo "nameserver <dns_server_ip>" >> /etc/resolv.conf"`
- `sudo echo "[network]" > /etc/wsl.conf`
- `sudo echo "generateResolvConf = false" >> /etc/wsl.conf`
- `sudo chattr +i /etc/resolv.conf`

# Task Format

- ✓ Know your tasks
- ✓ Have your scanner platform credentials
- ✓ Factor in any scanner settings
- ✓ Do not forget the Kenna connector
- ✓ API keys – admin please
- ✓ Full speed ahead



# Demo with a Sample Task



# Helpful Links & Resources

- Enable WSL & Linux setup in Windows:
  - [wsl2 - Install Ubuntu on Windows 10 fast with Windows Terminal](#)
- Install Podman and dependencies:
  - [Install Podman and Buildah on Windows 10 using WSL2](#)
- Wayback machine link to obtain commands to setup Podman on Ubuntu prior to 20.10
  - [https://web.archive.org/web/20210817182216/https://github.com/containers/buildah/blob/main/install.md](#)



# Helpful Command Reference

- Enable WSL in Windows (admin cmd prompt required)
  - `dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all norestart`
  - `dism.exe /online /enable-feature /featurename:VirtualMachinePlatform /all norestart`

Restart the computer at this point. Note an admin CMD prompt is required for the commands above.

- Install the WSL update from this link:

- [https://wslstorestorage.blob.core.windows.net/wslblob/wsl\\_update\\_x64.msi](https://wslstorestorage.blob.core.windows.net/wslblob/wsl_update_x64.msi)

- Set WSL version 2

- `wsl --set-default-version 2`

- Install Buildah

- `sudo apt-get -y update`
- `sudo apt-get -y install buildah`

- Install Podman

- `sudo apt-get -y install podman`

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# Questions?



Thank You!

