

ProLUG Automation

Unit 10 Worksheet

Instructions

Fill out this sheet as you progress through the lab and discussions. Hold your worksheets until the end to turn them in as a final submission packet.

Discussion Questions:

Unit 10 Discussion Post 1: Your team uses Ansible and needs to secure one of the images you have been working to build in Rocky 9. You have decided to use <https://github.com/ansible-lockdown> ansible Lockdown for STIG remediation.

1. Where is this tool designed to be run?
 - a. Why is this going to cause you a problem?
2. How will you go about remediating problems in your environment, if you have to run this in a chrooted environment?

Unit 10 Discussion Post 2: Read these blog posts about CIS and STIG compliance:

<https://www.mindpointgroup.com/blog/stig-vs-cis-part-1-the-anatomy-of-baselines-and-compliance?lockdownenterprise> <https://www.mindpointgroup.com/blog/stig-vs-cis-part-2-selecting-the-best-baseline-for-your-business?lockdownenterprise>

1. Why might you want to choose one over the other?
2. Which version of baseline tool aligns with your current industry, or the industry you're wanting to work in?

Definitions/Terminology

Notes During Lecture/Class:

Links:

- Ansible Kubernetes core module:
https://docs.ansible.com/projects/ansible/latest/collections/kubernetes/core/k8s_module.html
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Terms:

- Warewulf terminology
 - Images
 - Overlays
 - System
 - Runtime
- Chrooted Environment
- Stigs
 - Ansible Lockdown (what is this?)
 - OpenSCAP tooling

Useful tools:

Lab and Assignment

Unit 10 Secure Modern Linux - https://killercoda.com/het-tanis/course/Automation-Labs/Unit10_Harden_Linux_Systems

Digging Deeper

1. Read other parts of this doc for more HPC understanding:

<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-223.ipd.pdf>

1. What are the components on the drawing on page 3 of doc (pg. 11 in the web viewer)

Reflection Questions

1. What questions do you still have about this week?
2. How are you going to use what you've learned in your current role?