ProLUG Automation

Unit 1 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 1 Discussion Post 1: The first question of this course is, "What is automation?"

1. If you've done the previous courses, how would you define administration? If you haven't find a blog (link for us) and explain how they define administration of Linux systems.
2. If you've done the previous course, how would you define security? If you haven't find a blog (link for us) and explain how they define administration of Linux systems.
3. When you think about automation, how does it tie into things you do on a daily basis, inside or outside of computer systems?

Unit 1 Discussion Post 2: What is meant by a trigger in automation?

1. What is your definition of a trigger?
2. What are the types of triggers you read or can define?
3. Where would you place these triggers to positively affect your ability to build or administer Linux systems?

Definitions/Terminology

Engineering

Automation

Triggers

Scientific Method

Deviation

Manual Intervention

Code Commits

Event Driven Systems

Alerts

Notes During Lecture/Class:

Links:

- Event Driven Architecture: https://serverlessland.com/
- Monitoring: https://get.influxdata.com/rs/972-GDU-533/images/Customer%20Case%20Study_%20Wayfair.pdf
- Kafka (event bus) Blogs: https://aws.amazon.com/blogs/big-data/tag/amazon-msk/

Terms:

Useful tools:

Lab and Assignment

Unit1_Automation tools installation and execution - To be completed outside of lecture time.

Digging Deeper

1. Go to serverless land: https://serverlessland.com/patterns
    a. Can you implement one of the serverless architectures in the cloud via one of the automation tools we have talked about?
    b. Do you see any other automation tools you may use in your career?

2. While we will be going over many concepts in this course, reviewing https://killercoda.com/het-tanis/course/Ansible-Labs and ensuring you have a strong understanding of Ansible will help absorb this information.

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?