TEAM LEAD VERSION (DevOps-Week-7)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Microlearning</span

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▶ Icebreaking

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▶ Questions

▶ Interview/Certification Questions

▶ Coding Challenge

▶ Article of the week

▶ Video of the week

▶ Retro meeting

▶ Case study / project

Teamwork Schedule

Ice-breaking   5m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, AWS, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work   10m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions   15m

1. What is Maven primarily used for in software development ?

A. Version control
B. Code compilation
C. Dependency management and build automation
D. User interface design

2. In Maven, what is the main purpose of a "POM" file ?

A. It defines the project's programming language.
B. It specifies the project's package structure.
C. It contains the project's source code.
D. It describes the project's configuration, dependencies, and build process.

3. What does "Maven Central Repository" refer to in the context of Maven ?

A. A repository for storing Maven project backups.

B. A repository for storing developer documentation.

C. A repository for managing project licenses.

D. A global repository for storing and distributing Maven artifacts and dependencies.

4. What does the term "artifact" mean in the context of Maven ?

A. A common term for Java classes.

B. A collection of source files.

C. A project's final compiled output, such as a JAR or WAR file.

D. A unit test case.

5. What is a "Maven plugin" ?

A. A tool used for managing project dependencies.

B. A software component that extends or enhances Maven's capabilities.

C. A plugin used for version control.

D. A graphical user interface for Maven projects.

Interview/Certification Questions   20m

1. What is a "Maven repository" ?

2. What does the "clean" phase in the Maven lifecycle do ?

3. What does the "install" phase in the Maven lifecycle do ?

4. What is Ansible Vault used for ?

5. What is the role of the "groupId" and "artifactId" in a Maven POM file ?

Article of the Week   10m

- Maven

Video of the Week   10m

- What Is Maven ? | What Is Maven And How It Works ?

Retro Meeting on a personal and team level   10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Coding Challenge   5m

- Coding Challenge - 014: Check Consecutive Vowels

Case study/Project   10m

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- Project-207 : Web Page Application (Postgresql-Nodejs-React) deployed on EC2's with Ansible and Docker

Closing   5m

-Next week's plan

-QA Session

-Next week's plan

-QA Session

▶ Questions

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Teamwork Schedule

Ice-breaking   5m

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Team work   10m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions   15m

1. What is Ansible primarily used for ?

A. Container orchestration
B. Infrastructure automation
C. Machine learning
D. Mobile app development

2. What is an Ansible playbook ?

A. A list of inventory hosts
B. A collection of tasks to be executed on remote hosts
C. A configuration file for Ansible
D. An inventory of managed nodes

3. How does Ansible communicate with remote hosts ?

A. Using RESTful APIs
B. Over SSH

C. Through a web interface

D. Using WebSocket connections

4. What is the purpose of Ansible roles ?

A. To define variables for playbooks

B. To provide a structured way to group tasks and data

C. To store encrypted data for security purposes

D. To enable communication between Ansible and other tools

5. What is the difference between Ansible modules and plugins ?

A. There is no difference; they are synonyms in Ansible.

B. Modules are used for inventory management, while plugins are used for task execution.

C. Modules are included with Ansible, while plugins are third-party extensions that provide additional functionality.

D. Modules are written in Python, while plugins are written in Ruby.

Interview/Certification Questions   20m

1. What is the purpose of the "ansible" command-line tool in Ansible ?

2. What is the difference between Ansible tasks and roles ?

3. What is the purpose of Ansible Facts ?

4. What is Ansible Vault used for ?

5. What are Ansible modules, and what role do they play in playbooks ?

Article of the Week   10m

- [What is Ansible and How it Works?](#)

Video of the Week   10m

- What is Ansible | Ansible Playbook explained

Retro Meeting on a personal and team level   10m

Ask the questions below:

- What went well?
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Coding Challenge   5m

- Coding Challenge - 015: Generate Password

Case study/Project   10m

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- Project-206: Microservice Architecture for Phonebook Web Application (Python Flask) with MySQL using Kubernetes.

Closing   5m

-Next week's plan

-QA Session

-Next week's plan

-QA Session