AWS Monitoring & Alerting

Duration

- 8h

Entry requirements

- Completion of an AWS Basics module or equivalent knowledge
  - Note: You may want to check the contents of the AWS Basics module to confirm whether you are familiar with the concepts presented in this training
- Basic JAVA and Spring knowledge or Quarkus
- Creation of AWS Sandbox account & Initial login to AWS
- Creation of IAM technical user and credentials
- Creation of GitHub account
- Basic understanding of GitHub Actions
  - Completion of CICD module might be helpful but is not a must

Optional requirements

- Installed Docker Desktop or WSL2 with docker-ce

Goals

- Understand **basic** Monitoring & Alerting concepts
- Understand monitoring on the application level
- Understand how to analyze potential application and infrastructure issues using tools
- Understand **basic** use cases for Kibana, Prometheus and Grafana
- Understand **basic** use cases for AWS CloudWatch and AWS CloudTrails
- Gain initial hands-on experience using Kibana, Prometheus and Grafana
- Gain initial hands-on experience with CloudWatch, Event Bridge and CloudTrail

Program

- Welcome & Sandbox account testing
- Introduction to monitoring
- Kibana - introduction and hands-on
- Prometheus - introduction and hands-on
- Grafana - introduction and hands-on
- AWS CloudWatch and AWS CloudTrails - introduction
- Monitoring on AWS - hands-on
- Summary & questions

Disclaimers

- This training does not focus on preparation to any certification
- This training is focused on initial and practical experience of AWS Monitoring and Alerting