
PATTERNS AND ANTI PATTERNS FOR ENTERPRISE DEVOPS

WORKSHOP ABSTRACT

DevOps is the implementation of continuous delivery and agile concepts across the organization, focusing on pipelines as the main building blocks for delivery value internally and to the customer.

But getting to that state is complicated because it requires several facets of work: People, process and tools.

In large organizations we have the added complexity of:

- Multiple dependencies and sub systems
- Multiple teams, groups, business units with competing interests
- Varying degrees of agility, culture, tools, technologies and processes
- Security, compliance and policy gates

In this workshop we will discuss main patterns and anti patterns for adopting and implementing DevOps pipelines throughout the organization, that scale.

AGENDA

The workshop consists of two days:

DAY 1: DEVOPS & CONTINUOUS DELIVERY VALUES, METRICS AND CONCEPTS:

- Defining DevOps and Enterprise DevOps Pipelines
- Continuous Integration vs continuous Delivery
- Enterprise vs small scale DevOps challenges
- Software defined everything
- Value Streaming
 - Intro & exercises
 - bottlenecks
 - Anti patterns & root causes

DAY 2: COMMON PATTERNS & SOLUTIONS

- Value Stream Bottleneck solutions
- Infrastructure as code
- Ephemeral Environments
- Pipelines
 - Intro to pipeline design
 - We will start to design a pipeline for a value stream
- Parent pipelines and child pipelines
- Adoption
 - Proofs of value & Templating
 - Adoption anti patterns
 - Adoption success patterns
- Adoption plan design

TARGET AUDIENCE

Anyone interested in DevOps , with at least 3 years working in a software organization.

COURSE PREREQUISITES

HARDWARE

None.

SOFTWARE

None

SKILLSET

Critical Thinking, open mind

INSTRUCTOR

ROY OSHEROVE

Roy is the author of “THE ART OF UNIT TESTING” and “ELASTIC LEADERSHIP” and is currently writing a new book titled “ENTERPRISE DEVOPS”. He is a DevOps Process Lead at Dell EMC and has been working in the software industry for 20 years. He’s worked as a developer, architect, tester, tech lead, Director and CTO in small and huge companies, ranging from startups to giants. Find out more at Osherove.com