



Workshop & Training offering

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Introduction

Taking a step into the cloud-native world or adopting DevOps practices can be overwhelming

Through our workshops, we can give the developers the tools, skills, and knowledge they need to develop, deploy and operate modern applications successfully.



From theory to practice

Most of our workshops include practical hands-on exercises based on real-world use cases from our experts in the field.

Lecture sessions provide background information and details.



Comprehensive portfolio

Our workshops and trainings are designed for everyone from developers to operators.

Target audiences range from beginners to intermediate and even more experienced users of cloud-native technologies.

The length and content of workshops can be customized.

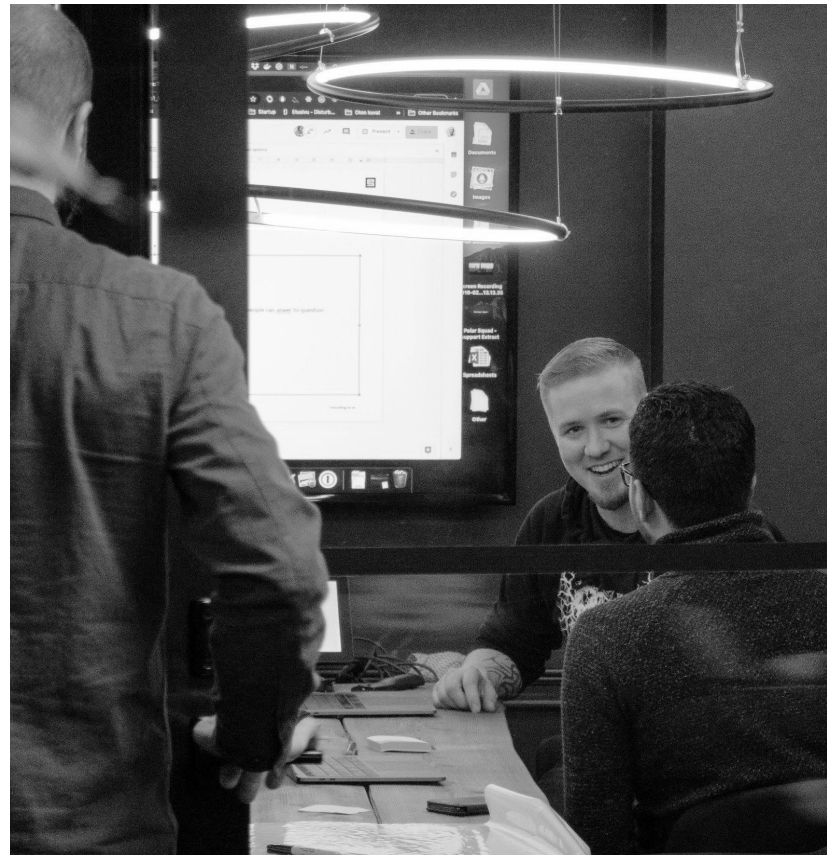


Polar Squad – Proven experience

Our squad consists of the best DevOps experts.

We have extensive experience in DevOps including:
Cloud platforms, CI & CD, infrastructure automation,
and much more.

Polar Squad is a CNCF-certified Kubernetes provider.
We concentrate on cloud-native projects for
real-world environments.



Workshop portfolio



Workshop Packages

Learn how to deliver software faster, more efficiently, and at scale in addition to providing operators with skills to manage the highly distributed platforms.

We've designed these workshop packages to get you the skills you need. You can either go with a full package or pick and mix individual workshops.

Containers and Kubernetes

Cloud Native Development

Workshop theme:

Containers and Kubernetes

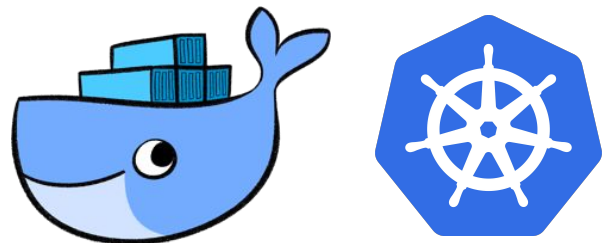
Containers and Kubernetes

Containers have become a de-facto standard for packaging and distributing software, and Kubernetes has become the dominant platform for running containerized software in production.

Our certified Kubernetes administrators are here to help your developers and operators get familiar with using and managing Kubernetes.

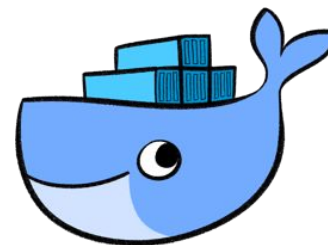
Workshops

- Containers and Docker Basics
- Kubernetes for Developers
- Kubernetes for Operators



Containers and Docker Basics

Learn the basics of containers and Docker, plus get hands-on experience on how to set up and run Docker.



Topics

In lectures and hands-on exercises, we take a deep dive into Docker and its various uses from development and testing to production.

- Fundamentals of containers
- Benefits for business
- Basics of Docker
- Best practices and use cases
- Managing containers at scale
- Using Docker in production

What you learn

The participants learn the difference between a container and a virtual machine, continuing onto Docker in more depth, and receive an introduction to container orchestration at scale.

The hands-on exercises show how to build container images, how to leverage caching and how to publish and launch a container image.

Target Audience and Duration

This workshop is aimed at everyone involved in software development.

- Developers
- Operations Engineers

This is a one-day training.

Kubernetes for Developers

We are here to help your development teams get productive in developing, deploying, and managing software on Kubernetes.



Topics

We provide details on the fundamentals and primitives of Kubernetes, and how to use them in practice.

- Various deployment strategies
- Load balancing
- Exposing services outside of Kubernetes
- Basic troubleshooting
- Persistent disk storage

What you learn

The participants get to know Pods, Deployments, Services and additional tools, such as Helm, that help developers fully utilize the capabilities of Kubernetes.

The hands-on exercises include deploying applications to a real, live Kubernetes cluster, examining the state of applications and provide insight to how deployments work internally in Kubernetes.

Target Audience and Duration

This workshop is aimed at people just starting their journey with Kubernetes.

- Developers
- Architects

This is a one-day training.

Kubernetes for Operators

Kubernetes provides many exciting features for running applications but it's also known for requiring a lot of effort to run it effectively in production. We are here to help your operations engineers get up to speed in operating Kubernetes.



Topics

The lectures introduce the prerequisites of running a Kubernetes cluster and explain the overall topology.

- etcd as the data store
- Master and worker node roles
- Kubernetes networking
- Kubernetes maintenance tasks
- Running Kubernetes in production

What you learn

The participants learn how to setup and maintain a Kubernetes cluster. From node sizing to cluster networking and upgrade procedures.

We take a look at the master and worker nodes as well as the different components running on them to understand what Kubernetes is made of.

The hands-on exercises include deploying a Kubernetes cluster from scratch.

Target Audience and Duration

This workshop is for people who are using or planning on using Kubernetes in production and have a beginner or intermediate familiarity with it.

- Operations Engineers
- Site Reliability Engineers
- DevOps Specialists

This is a one-day workshop.

Workshop theme:

Cloud Native Development

Cloud Native Development

Besides virtual machines, cloud services offer a wild variety of ways for you to run your software on top of their platform. It can be overwhelming to navigate the offering and piece together the appropriate way to leverage cloud in your development teams.

Our cloud experts are here to help you hit the ground running with the cloud platform of your choice: AWS, Azure, Google Cloud

Workshops

- Infrastructure management with Terraform



Infrastructure management with Terraform

Terraform has become the de-facto standard tool for managing many kinds of cloud platforms in a safe, efficient, and predictable way. Whether you're looking into transitioning to Terraform from another tool or learning infrastructure-as-code from scratch, our experts are here to help you get up to speed.



Topics

We provide the essential information to successfully manage cloud infrastructure using Terraform.

- Infrastructure-as-code basics
- Terraform basics
- Modularization
- State management
- CI/CD integration

What you learn

The participants will learn how to set up cloud infrastructure from the ground-up using Terraform and how to work with the tool in a practical setting.

In the hands-on exercises, the participants get to set up cloud resources with Terraform on a practice environment with the help of our instructors.

Target Audience and Duration

This workshop is for people interested in getting started with infrastructure-as-code or just interested in learning how to use Terraform.

- Software Developers
- Test Engineers
- Operations Engineers

This is a one-day workshop.

Tailor-made workshops and proof-of-concept exercises

Workshops customized for your environment and requirements

Looking for training on a specific topic?

Our experts can design and develop a workshop package that is tailor-made just for you, concerning a wide range of topics, like DevOps fundamentals, SRE, cloud basics or CI/CD.



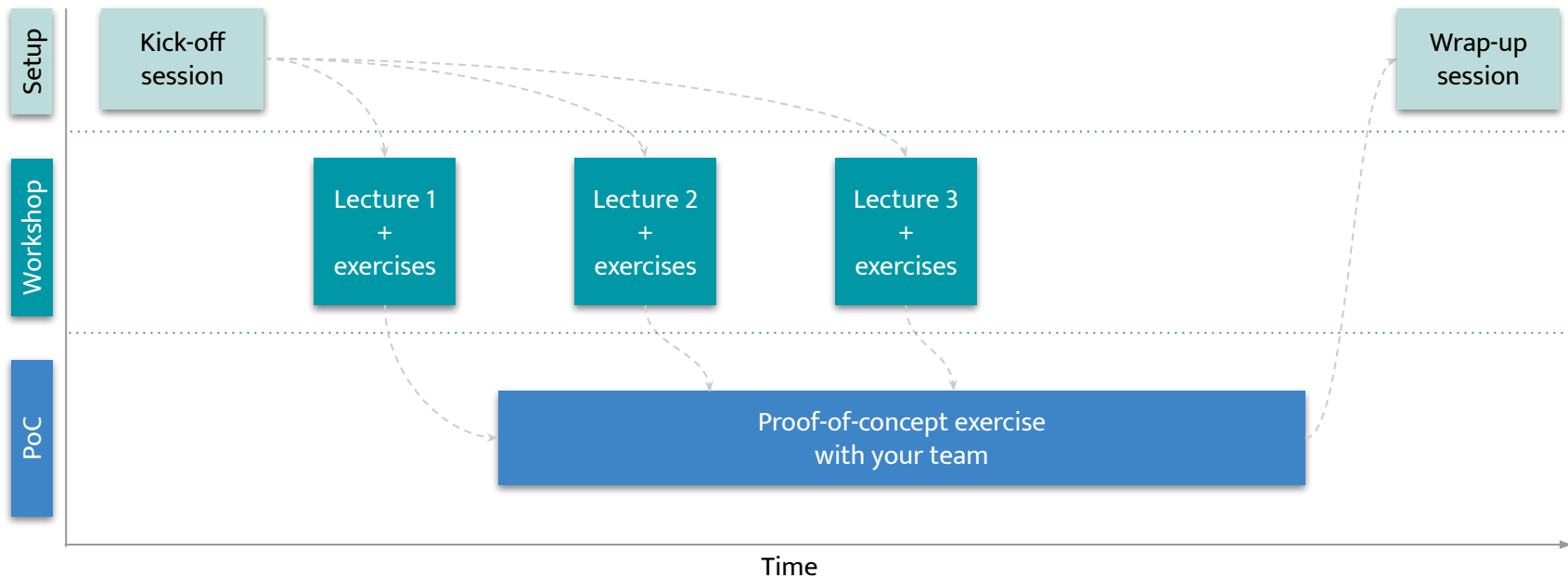
Proof-of-concept exercise with your team

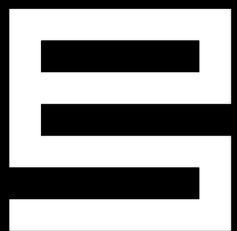
A proof-of-concept exercise (PoCE) is an excellent way to get hands-on experience with the topics covered in a workshop package.

In the PoCE, your team gets a safe environment to build, practice, and experiment with new tools and practices with the help of our experts.



Standard workshop package timeline





polar
squad