Understanding the new IT World

CI/CD, DevOps, Tools

IT is undergoing a huge upheaval that is taking place at a rapid pace. Tools are sprouting up like mushrooms and are quickly becoming an indispensable component of the IT landscape. Anyone who is not directly involved in this development will find it difficult to understand and categorize the many new technologies, their areas of application and the new terms associated with them. The aim of this training course is to make this new world comprehensible to everyone by explaining the most important terms and contexts. It describes the current technological changes, the drivers responsible for them and provides an overview of which techniques and tools are used for which purpose. Tools such as Ansible, Chef, Elastic Search, Git, GitHub, GitLab, Go, Grafana, Jenkins, Prometheus, Puppet, Ruby or Terraform can be categorized after the course and their intended use is known. Even if an ISP solution is used as an example, the findings can be applied equally to enterprise companies.

Course Contents

- Disaggregation: separation of hardware and software
- Example ETSI NFV framework
- What do NFV, VNF, VNFFG, E2E, Service Chain and Pipeline mean?
- Monolithic applications, server virtualization and virtual machines
- Microservices, containers, Docker, Kubernetes
- Hypervisor, KVM, OpenStack
- Cloudification, cloud models and cloud services
- Smart NICs, cloud networking, infrastructure as code (IaC)
- What are APIs, data structures, message bus and service meshes?
- What does build and deploy mean and which tools are used?
- What is versioning and repository? Which tools are used?
- Working methods and tools for CI/CD and automation
- Tasks of and tools for service operations and service quality
- What does orchestration mean?
- What is the role of DevOps and how does it interact with the technical changes?
- Outlook and discussion

E-Book The detailed digital documentation package, consisting of an e-book and PDF, is included in the price of the course.

Target Group

The training is aimed at employees who are involved in technical areas but do not perform any technical tasks themselves. If you want to understand current terminology and IT concepts without diving into bits and bytes, this is the right course for you.

Prerequisites

No special IT knowledge is required. What is important is an interest in the subject matter and a willingness to engage conceptually with content from the field of technology.

This Course in the Web

You can find the up-to-date information and options for ordering under the following link: www.experteach-training.com/go/**ITWE**

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On our Website, you can reserve a course seat for 7 days free of charge and in an non-committal manner. This can also be done by phone under +49 6074/4868-0.

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