Observability Foundation («DEVOBS»)

Learn about best practices for building full-stack observability that improve the resilience of services. These include: Building meaningful traces across temporal topologies, impact of DevSecOps and AIOps and building a 360° dashboard.

Duration: 2 days
Price: 2'500.–
Course documents: Official courseware (digital) in English

Content

1 Exploring Observability

- What is Observability?
- Why is Observability Important?
- Why Traditional Monitoring is not Enough?
- Observability Maturity Model

2 Pillars of Observability

- Telemetry
- Three Pillars of Observability: Logs, Metrics & Traces

3 Open Source Landscape

- What is Observability made of?
- OpenTelemetry
- The Rest of the Open Source Ecosystem

4 Service Maps and Topology

- Service Maps
- Topology
- Time Travel Topology
- Escalation Graphs

5 DataOps helps get Observability Right

- Observability and the Data Paradox
- Why Observability Needs DataOps
- Data Ownership and Governance
- Data Privacy and Observability

6 Building Observability with AIOps

- Enterprises Platform and AIOps
- AI / ML Use Cases

7 Security and Networking

- Observing Security
- Container Security
- Network Observability
- Visibility and Integration

8 Observability Practices for DevOps and SRE

- Observability Indicators
- Dashboards and Visualization
- Chaos Engineering

Key Learnings

- Understanding observability and the different maturity levels
- Building observability in distributed architectures
- Interpreting temporal topologies
- Understanding DataOps and applying its principles to build an observability pipeline
- Extending observability with AIOps
- Building network and security observability foundations
- Building a strong DevSecOps and SRE culture through observability

Methodology & didactics

Interactive training with a mix of expert input, exercises and discussions.

Participants are supported by well-founded and certified training material, which also provides valuable support for everyday project work after the seminar.

Target audience

- People who focus on the scalability and reliability of large services
- Those interested in modern IT leadership and organizational change approaches
- Consultants
- DevOps practitioners
- Software engineers
- Site Reliability Engineers (SRE)
- System integrators
- Providers of tools and solutions in the IT sector

Requirements

Practical experience in the area of DevOps and / or Site Reliability Engineering is an advantage. Otherwise, we recommend attending one or two courses beforehand:

- Site Reliability Engineering (SRE) Foundation («DEVSRE»)
- DevOps Foundation («DEVFOK»)

Certification

Both the exam and the course literature are only available in English.

You will receive a voucher for the online exam via email from PeopleCert a few days before the course starts. The exam voucher must be redeemed directly with PeopleCert, where you can register for an available exam date. The online exam is proctored by a PeopleCert proctor, which requires a device with a microphone and camera. We recommend taking the exam on a private PC/notebook, as company notebooks are often subject to certain restrictions.

For more information about the exam, please visit the PeopleCert website here.

Format: multiple-choice exam questions, number of questions: 40, pass rate: 65% (26 points out of 40), duration: 60 minutes, open book

«Take2» option:

This option allows you to retake the exam at a lower price if you do not pass. The retake exam takes place **online**. If required, you can book this option independently in your PeopleCert candidate profile before booking the exam. You have up to 6 months from the date of the first exam to prepare and take the retake exam.

https://www.peoplecert.org/en/terms-of-service-and-privacy-policy – under this link you will find more information about the complaint management of our certification partner and your rights.

Further courses

- AIOps Foundation («DEVAI»)
- DevOps Engineering Foundation («DEVEN»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-service-project-management/devops/course-observability-foundation