

Course : Oracle Cloud Infrastructure Security Live Class

OFFICIAL COURSE: DIGITAL SUPPORT AVAILABLE FOR 90 DAYS ONLY

Practical course - 4d - 28h00 - Ref. OCS

With this training course, you'll gain hands-on experience of using network security, safe, master encryption key, data safe, web application firewall, Cloud Guard, security zones and much more.

Teaching objectives

At the end of the training, the participant will be able to:

- Manage identities and access
- Securing applications
- Securing data and databases
- Securing networks and computers

Intended audience

Security administrator.

Prerequisites

Completion of Oracle Cloud Infrastructure Foundations training or equivalent knowledge and skills.

Certification

Successful completion of the exam leads to Oracle Cloud Platform Identity and Security Management 2022 Professional certification.

[Comment passer votre examen ?](#)

Practical details

Teaching methods

Training in French. Course material and practical exercises in English, in digital format and **ACCESSIBLE ONLY FOR 90 DAYS**. Good understanding of written English.

PARTICIPANTS

Security administrator.

PREREQUISITES

Completion of Oracle Cloud Infrastructure Foundations training or equivalent knowledge and skills.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Course schedule

1 Introduction to safety

- Shared security model.
- Zero Trust security.
- Design and safety controls.
- Presentation of security services.

2 Identity and access management

- Identity domains.
- AuthN.
- AuthZ.
- Common policies.
- Compartments.
- Legacy and political attachment.
- Conditional policies.
- Advanced policies.
- Network sources.
- Beacon-based access control.
- Dynamic groups.
- Federation.
- Understand connection options.

3 Infrastructure security - Network

- Introduction to the virtual cloud network.
- Virtual cloud network security.
- VCN Security - Security lists, NSG demo.
- VCN connectivity.
- Virtual cloud network - Peering.
- DNS service.
- IAM strategies for network administrators/users.
- Load Balancer.
- SSL management.
- Bastion.

4 Infrastructure safety - Calculation

- Best calculation practices.
- Operating system management with Oracle Cloud Infrastructure.
- Dedicated hosts for virtual machines.
- Vulnerability analysis.
- Safety for OKE.
- IAM and RBAC policies.
- The secrets of Kubernetes.
- Cluster security.
- Node pool security.
- Internet security.
- Multi-tenant considerations.
- Image security.
- Security for Oracle functions.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

5 Data and database security

- Basics of encryption.
- Safe presentation.
- Import and export keys.
- Integration of OCI services with Vault.
- Backup and replicate safes and keys.
- Secrets.
- Secure data.
- Storage.
- Access and authentication management.
- Lifecycle management.
- Object storage replication and copying between regions.
- Version management
- Data retention.
- Recording.
- File storage.
- Security: File storage.
- Block storage.
- Oracle database security.

6 Application security

- Securing applications in the cloud.

7 API Gateway

- Network security groups.
- Support for mutual TLS (mTLS).
- Custom Trust Store.

8 Create and manage certificates

- Presentation of certificates.

9 Cloud security posture management

- What is cloud security posture management?
- Activate Cloud Guard.
- Cloud protection concepts
- Custody problems cloud.
- Cloud Guard - Manage detector recipes.
- Cloud Guard answering machine recipes
- Cloud Guard notifications.
- Safety zones and safety advisors.

10 Safety operations

- Security operations management.
- Monitoring.
- Logging service.
- Log ingestion for Analytics.
- Information with Logging Analytics.
- Verification service.
- Event service.
- Regulatory compliance.

