

Oracle Cloud Infrastructure Developer Training

Course Topics

Cloud Native Fundamentals

- Explain the fundamentals of cloud native and discuss the key pillars of cloud native development
- Explain the microservices architecture and discuss the design methodology of microservices

Cloud Native Applications and Containerization

- Explain docker and the concepts around its architecture and components
- Use OCIR to pull and push container images
- Explain DevOps and discuss the role of container orchestration
- 2.4 Develop and deploy containerized applications on OKE

Leveraging Serverless Technologies for Cloud Native Development

- Develop Serverless Application with Oracle Functions
- Create API gateways to process traffic from API clients and route it to back-end services
- Create integration between systems using OCI streaming service
- Build event-driven serverless applications using OCI event service

Testing and Securing Cloud Native Applications

- Explain cloud native testing and discuss measures for testing cloud native applications
- Discuss various strategies for testing cloud native applications
- Use OCI Vault service to securely store and manage encryption keys and sensitive configuration information
- Apply security measures to overcome challenges with cloud native development

Monitoring & Troubleshooting Cloud Native Applications

- Utilize OCI Monitoring service to view metrics
- Use OCI Logging service to enable, manage, and search logs
- Perform Tasks around Monitoring, Logging, and Tracing