Oracle Cloud Infrastructure Data Science Professional: Hands-on Workshop

Module 1: Introduction to Data Science on OCI

- Overview of Data Science
- Overview of OCI Data Science Services
- OCI Data Science Architecture and Components
- OCI Data Science Tools

Module 2: OCI Data Science

- Creating and Managing Data Science Projects
- Using Jupyter Notebook on OCI
- Developing and Training Machine Learning Models on OCI
- Managing Data Science Models on OCI

Module 3: OCI Object Storage

- Overview of OCI Object Storage
- Creating and Managing Object Storage Buckets
- Uploading and Downloading Data from OCI Object Storage
- Using Object Storage with OCI Data Science

Module 4: OCI Compute

- Creating and Managing Compute Instances for Data Science
- Using Compute Images for Data Science
- Creating and Managing Instance Configurations for Data Science
- Launching Instances for Data Science

Module 5: OCI Identity and Access Management (IAM)

- Managing IAM Users and Groups for Data Science
- Configuring IAM Policies for Data Science
- Integrating IAM with OCI Services for Data Science
- Understanding Authentication and Authorization for Data Science

Module 6: Building and Deploying Data Science Solutions on OCI

- Creating and Deploying Data Science Solutions on OCI
- Using DevOps Tools on OCI for Data Science
- Managing and Monitoring Data Science Solutions on OCI

Module 7: Advanced OCI Data Science Concepts

- Using GPU Instances for Data Science on OCI
- Understanding and Using OCI Data Catalog
- Using OCI Machine Learning

Module 8: Best Practices for Data Science on OCI

- Security Best Practices
- Optimization Best Practices
- Cost Optimization Best Practices
- Disaster Recovery Best Practices