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Oracle Analytics Cloud (OAC) Training Curriculum Online by Certified Consultant

Module 1: Introduction to Oracle Analytics Cloud (OAC)

- Overview of Business Intelligence and Analytics
- Introduction to Oracle Analytics Cloud (OAC)
- OAC Architecture and Components
- OAC Editions and Licensing
- Cloud Analytics Concepts
- OAC User Interface and Navigation
- Analytics Workflow Overview
- OAC Use Cases and Benefits

Module 2: Getting Started with OAC

- OAC Environment Setup
- Creating and Managing Projects
- Understanding Workbooks and Dashboards
- User Roles and Responsibilities
- Navigation and Personalization
- Data Access and Security Basics
- Collaboration Features
- Best Practices for OAC Users

Module 3: Data Connectivity and Integration

- Connecting to Oracle Databases
- Connecting to Oracle Autonomous Database
- Integration with Oracle ERP and Fusion Applications
- Connecting to On-Premises Data Sources
- Integration with Non-Oracle Data Sources
- Data Gateway Configuration
- Live and Cached Connections
- Data Refresh Scheduling

Module 4: Data Modeling and Data Preparation



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- Data Sets and Data Models
- Data Profiling
- Data Wrangling Techniques
- Data Cleansing and Transformation
- Joins and Relationships
- Data Enrichment
- Calculated Columns
- Data Flow Creation

Module 5: Data Visualization Fundamentals

- Introduction to Data Visualization
- Creating Workbooks
- Charts and Graphs
- Tables and Pivot Tables
- Geographic Maps
- Heat Maps and Trellis Charts
- KPI Visualizations
- Formatting and Styling

Module 6: Advanced Data Visualization

- Interactive Dashboards
- Drill-Down and Drill-Through Analysis
- Filters and Prompts
- Conditional Formatting
- Advanced Visualization Techniques
- Storytelling with Data
- Responsive Dashboards
- Dashboard Optimization

Module 7: Oracle Analytics Dashboards

- Dashboard Design Principles
- Creating Executive Dashboards
- Dashboard Navigation
- Dashboard Actions and Links
- Dashboard Personalization
- Publishing Dashboards
- Sharing and Collaboration
- Dashboard Best Practices



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Module 8: Data Analysis and Reporting

- Ad Hoc Analysis
- Trend Analysis
- Variance Analysis
- Comparative Analysis
- Time-Series Analysis
- Business Performance Monitoring
- Report Generation
- Scheduled Reporting

Module 9: Calculations and Advanced Analytics

- Measures and Dimensions
- Aggregation Techniques
- Calculated Measures
- Custom Expressions
- Running Totals and Rankings
- Forecasting Techniques
- What-If Analysis
- Statistical Functions

Module 10: Machine Learning and Augmented Analytics

- Introduction to Augmented Analytics
- Explain Feature
- Auto Insights
- Smart Narratives
- Predictive Analytics
- Forecasting Models
- Machine Learning Integration
- AI-Driven Recommendations

Module 11: Oracle Analytics Data Flows

- Data Flow Concepts
- Creating Data Pipelines
- Data Transformation Processes
- Aggregations and Calculations



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- Data Flow Scheduling
- Monitoring Data Flows
- Performance Optimization
- Data Governance

Module 12: Oracle Analytics Security

- User Management
- Roles and Permissions
- Data Security
- Row-Level Security
- Object-Level Security
- Authentication Methods
- Single Sign-On (SSO)
- Governance and Compliance

Module 13: Oracle Analytics Administration

- OAC Administration Console
- System Configuration
- User and Role Management
- Resource Monitoring
- Usage Tracking
- Backup and Recovery
- Performance Tuning
- Troubleshooting Techniques

Module 14: Integration with Oracle Ecosystem

- Oracle Fusion Applications Integration
- Oracle ERP Cloud Analytics
- Oracle HCM Cloud Analytics
- Oracle SCM Cloud Analytics
- Oracle Autonomous Database Integration
- Oracle Data Integrator (ODI) Integration
- Oracle Integration Cloud (OIC)
- Oracle Cloud Infrastructure (OCI) Integration

Module 15: Data Warehouse and Big Data Analytics



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- Data Warehouse Concepts
- Oracle Data Warehouse Integration
- Big Data Analytics Overview
- Hadoop and Spark Connectivity
- Data Lake Integration
- Real-Time Analytics
- Enterprise Reporting
- Data Governance Practices

Module 16: Performance Optimization and Best Practices

- Query Optimization
- Data Model Optimization
- Dashboard Performance Tuning
- Caching Strategies
- Resource Management
- Security Best Practices
- Deployment Best Practices
- Analytics Governance

Module 17: Real-Time Business Use Cases

- Financial Analytics Dashboard
- Sales Performance Analytics
- Customer Analytics
- HR Workforce Analytics
- Supply Chain Analytics
- Executive KPI Dashboard
- Predictive Business Analysis

Module 18: OAC Migration and Upgrade Strategies

- Migration Planning
- Oracle BI to OAC Migration
- Content Migration
- Security Migration
- Data Source Migration
- Upgrade Management
- Validation and Testing
- Post-Migration Best Practices



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Module 19: Oracle Analytics Cloud Certification Preparation

- OAC Certification Overview
- Exam Objectives and Topics
- Architecture Review
- Data Modeling Review
- Visualization and Reporting Review
- Practice Scenarios
- Mock Assessments
- Certification Tips

Module 20: Capstone Project

- End-to-End Analytics Solution Design
- Data Source Integration
- Data Preparation and Modeling
- Dashboard Development
- Security Configuration
- Advanced Analytics Implementation
- Performance Optimization
- Project Presentation and Documentation