## Oracle Communications User Data Repository OAM

### Module 1: Integrate- Plan User Data Repository Functions

- Define terms - UDR, 3GPP, SPR
- UDR in a mobile communications network architecture
- Providing subscriber records to UDR using REST and SOAP
- How UDR affects a subscriber session
- Fields in a subscriber profile record
- Maintain networks and communications to connected devices

### Module 2: Integrate- Plan for Oracle's Implementation of User Data Repository

- Multi-level Management (NOAMP and SOAM servers)
- High Availability using Active/Standby servers
- Failover
- Geo-Redundant enhanced availability options using a Disaster Recovery site
- Diameter connections between UDR and PCRF
- Virtual systems - Network Functional Virtualization (NFV)
- Using UDR in Cloud architectures

### Module 3: Configure - Using Multi-Level Interfaces

- Oracle Help Center (OHC)
- Using Help manuals
- Using the Graphical User Interface (GUI)
- NOAMP GUI
- SOAM GUI
- On-Line Help

### Module 4: Configure- Manage System Components

- Analyze and change system component configuration
- Analyze product components
- Configure communications among components (Diameter, REST, SOAP, SNMP, etc.)
- VLANs, Bonds, and DSCP protocol
- SNMP reporting

### Module 5: Configure- Diameter Peers

- Making and preserving Diameter connections (CER/CEA)
- Configuring Diameter peers (Realm, Diameter ID)
- Create and verify Diameter peer configurations
- Export/Import Diameter configuration

### Module 6: Provision Database

- Accessing the User Data Repository database with REST and SOAP
- Management menus for controlling database access
- Client permissions, whitelists, and blacklists
- Manage data entities (extend the UDR database)
- Create update and status reports about database changes
- Measurements related to the database

### Module 7: System Administration

- Users
- Groups
- Process for allowing permissions
- Security

### Module 8: Monitor Components

- NOAMP network elements reports
- Monitor high availability and replication
- Monitor Diameter, REST, and SOAP connections
- Monitor components with measurements

### Module 9: Monitor Alarms

- View alarms banner, alarms report, and alarms history
- Find alarm recovery actions in On-Line Help

### Module 10: Monitor System

- Monitor key component processes
- Monitor Key Performance Indicator reports
- Isolate problems with measurements

## Module 11: Corrective Maintenance

- Monitor and control system backup
- Control active servers with high availability controls
- Monitor and control ComAgent connections

## Module 12: Corrective Maintenance- Remediation

- On Line Help Center
- My Oracle Support- Service Requests (SRs) and knowledge base
- Troubleshooting Communications Agent (ComAgent) and signalling traffic
- Save log
- System Health Checks