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Fusion Technical Course Content

Getting started with

Introduction to Oracle Cloud Applications

Oracle Fusion Architecture

Oracle Cloud Service Types

Types of Oracle Cloud Applications

Oracle cloud portals (My Services & My Account)

Oracle Cloud Portal Administrators

Functional Setup Manager Overview

Fusion Offerings, Functional Areas, Features, Task Lists and Tasks

Security:

- Oracle Fusion Security Model (RBAC)
- Security Implementation Overview
- Security Building Blocks(FSM, Security Console, Security Reference Model, AACG)
- User Types
- Implementation User : Creation & Role provisioning
- Functional User Management
- Role Types (Data Role, Job Role, Duty Role, Abstract Role & Aggregate Privileges)
- Role Inheritance
- Role Provisioning/Role Mapping
- Security Console : Benefits/ Features

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- Security Console : Manager, Create, Copy & Compare Roles

Data Loading (Inbound Integrations)

- Overview on Inbound Integrations
- Fusion Data Loaders
- Spreadsheet Data Loaders (ADFDi)
- File-Based Data Import(FBDI)
- HCM Data Loader(HDL)
- Inbound Web Services Overview
- Inbound Automations

Data Extraction (Outbound Integrations)

- Overview of fusion reporting tools
- BI Publishers Architecture
- BI Publisher : Data Model, Reports, Layouts and templates
- BI Publisher : Scheduling & Delivery
- Oracle Transactional Business Intelligence(OTBI) Architecture
- OTBI Security
- OTBI : BI Analysis, Subject Areas, Folders & Attributes
- OTBI : Dashboards, KPIs and briefing books
- OTBI : Delivering Content (Agents)
- HCM Extracts
- Financial Data Extract
- Outbound Automations

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Extending Fusion Applications

- Overview and Accessing Fusion Applications UI
- Understanding ADF Architecture
- Fusion Application Extensibility, Customization & personalization
- Manage Sandbox
- Page Composer
- Customization Migrations

Page development & customizations:

- Building a basic ADF page and integrating with Oracle SAAS

Integration Using Web Services

Introduction

- SOA Architecture Principles
- Types of web services

About REST Web Service

- Introduction
- Rest principles & Terminology
- About JAX-RS API
- Annotation Inheritance with REST

REST Client Design Scenarios

- REST Service Endpoint & URL Design Scenarios
- Building a REST service using eclipse and deploying to Tomcat server
- Real time Examples with scenarios

About SOAP Web Service

- Introduction

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- Anatomy of SOAP
- Structure of SOAP
- SOAP with HTTP
- SOAP-1.2 Features
- Building a basic SOA composite and registering as a SOAP web service

About WSDL

- Introduction
- WSDL Structure (Covers 2.0)
- Message Exchanging Design Patterns & Modes

About Web services Security

- Introduction
- Need of security
- Types of securities
- Real time Examples with scenarios

Integration scenarios with web services

- Figuring out the cloud web services
- Building the payload
- Testing the web services (REST and SOAP)
- Using ERP Integration Service for automating the integration

Additional concepts:

- Introduction to IPAAS solutions available in market
- -OICS
- -Dell Boomi,
- JCS etc