Duration: 40+ Hours

CLOUD PLATFORM INTEGRATION

The Goal

- Describe HDB Cloud Platform, Integration Service
- Understand the required Tools, Processes and operations
- Work with IFlows
- Use the Pre-packaged Content

Target Audience: Business users, Project managers, Integration architects, Consultants, Developers, anyone interested in HDB Cloud integration

- **INTRODUCTION TO CLOUD Platform INTEGRATION**
  Cloud Integration Capabilities
  Architecture Overview
  Technical System architecture
  Network Infrastructure
  Data Centers
  Secure Communication

- **INTEGRATION SCENARIO / Use HCI Integration Patterns**
  Integration Content Catalog
  Consuming Prepackaged Content
  Configure Integration package
  Modify prepackaged content
  Prepackaged Content provided by
  Creating your own content package

- **CLOUD TOOLS**
  Web UI
  Eclipse platform
  Cloud platform
  Cloud Connector

- **DESIGN (DEVELOPING INTEGRATION FLOW)**
  Camel's Message model
  Content enrichment
  Data transformation and mappings
  Understand HCP Integration Service Architecture and Connectivity
  Content based routing
  Working with lists
  Asynchronous Message Handling

- **MESSAGE CONVERTER AND DECODER / Understand Routing and Message Transformers**
  MIME multipart messages
  Timer-Based Message Transfer
  Structuring of Large Integration flows
  Message persistence
  Working with Value mappings

- **BUILD GROOVY SCRIPTING AND EXCEPTION HANDLING**
  Cloud Adapters
  SOAP Adapter

Facebook Adapter
OData Adapter

- **CLOUD INTEGRATION OPERATIONS**
  Monitor Message processing
  Manage Integration Content
  Manage Security Material
  Managing Certificate to user mappings
  HTTP Adapter
  SFTP Adapter
  Developing Custom Adapter

- **CLOUD INTEGRATION SECURITY**
  Transport-level Security Options (TLS)
  Message-level Security Options (MLS)
  Data Protection and Data flow Security
  Certificate based Communication
  Private Key and Public Key certificate
  Basic Cryptography
  Authentication and OAuth scenario
  User administration and Authorization

- **CLOUD INTEGRATION ENHANCEMENTS**
  Transport Management
  Payload monitoring
  Trace Function

- **IFlows**
  Use HCI Iflows: Calls
  Use HCI Iflows: Events
  Understand HCI Iflows: Security
  Use HCI Iflows: XML Validator Iflows, Use and Management
  Work with and manage Iflows Pre-packaged Content on HCP Integration Services

- **REAL TIME BUSINESS INTERFACE SCENARIOS**