SAP HANA - Curriculum

1. Introduction
   - Introduction to SAP HANA
   - SAP HANA In-Memory Strategy
   - HANA Compared to BWA

2. Look and feel
   - In memory Computing Studio
   - Administration views
   - Navigator View
   - System View
   - Information Modeler
   - Architecture Overview
   - IMCE and surroundings
   - Row Store
   - Column Store
   - Loading data into HANA
   - Data Modeling
   - Reporting
   - Persistent Layer
   - Back & Recovery

3. Data Provisioning
   - Replication Server
   - Replication process
   - Replication Architecture
   - Data services
   - SAP BODS and HANA
   - Basic Data service connection types
   - New to Data Services 4.0
   - Full Extractor through ODP
   - Configure Import server Create and execute a Data service job to populate HANA.
4. Modeling

- Purpose of information Modeler
- Levels of modeling in SAP HANA
- Attribute Views
- Calculation Views
- Export & Import

5. Reporting

- HANA Reporting Layer
- Connectivity options
- Business Objects BI 4.0
- Business Objects BI 4.0 Explorer
- Business Objects BI 4.0 Enterprise
- Crystal reports via ODBC/JDBC Connections
- Others & MS Excel

6. User Management

- Creation of Users
- Creation of Roles
- Creation of Role Hierarchy
- Assignment of users to roles
- Authentications
- IMCE Authorizations

7. DATA PROVISIONING USING SLT

- Positioning and key concepts
- Overview on configuration Aspects
- Data Replication at a glance
- SLT based transformation concepts
- Selective Data Replication
- Transformation of Data
- Extension of (target) table structure
- Specific Considerations.
8. Approaching SAP HANA Modeling

- Persistency Considerations
- SAP HANA Engine Overview
- Choosing views for the information Model.

9. Connecting Tables

- How to connect tables Using:
  - Inner Join
  - Left Outer Join
  - Right Outer Join
  - Full Outer Join
  - Text Outer Join
  - Referential Join
  - Union

10. Advanced Modeling

- Creating Attribute Views
- Using Hierarchies
- Creating Restricted & calculated Measures
- Using Filter Operations
- Using Variables
- SAP HANA SQL – Introduction
- SQL Script and Procedures
- Using Currency Conversion.

11. Processing Information Models

- Validating Models
- Comparing Versions of Information Objects
- Checking Model References
- Generating : Auto Documentation.

12. Managing Modeling Concepts

- Schemas
- Import & Export Copying
- Objects
13. Security and Authorizations

- User Management & Security
- Types of Privileges
- Template Roles
- Administrative

15. Practice Test & Interview Questions

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