

Data Warehousing Concepts with Cognos

Data Warehousing Concepts:

- ❖ Introduction to Data Warehouse.
- ❖ OLTP & OLAP Databases.
- ❖ Data Warehouses and Data Marts and its Characteristics.
- ❖ Concepts of Dimensional Modeling.
- ❖ Concepts of Designing Star Schema, Snowflake Schema.
- ❖ Dimension Tables, Fact Tables and its Characteristics.
- ❖ Primary Key and Surrogate Key, Foreign Key concepts.
- ❖ Slowly Changing Dimensions and its different types.
- ❖ Staging area and Repository Concepts for Data Warehouse.
- ❖ Granularity and Subject Orientation in the Data Warehouse.
- ❖ Dimensional Modeling Concepts

Reporting Tool/OLAP Cognos Report Net 8 BI

- ❖ **Overview of Cognos 8 BI**
- ❖ Introduction to Cognos
- ❖ Examine the different studios in Cognos 8 BI
- ❖ **BI Architecture and Planning**
- ❖ Multi-tier architecture
- ❖ Performance planning & tuning
- ❖ **Query Studio**
- ❖ Create Reports – Lists, Grouped List, Cross tab, Charts
- ❖ Studio effects – Formatting, Sorting, Grouping, Filter
- ❖ **Analysis Studio**
- ❖ Creating Basic Analysis
- ❖ Exploring, Limiting, Calculating, Sharing Data
- ❖ **Report Studio**
- ❖ Studio Interface with templates
- ❖ Types and formats of reports
- ❖ Drill through & Drill-up/Drill-down reports
- ❖ Scheduling reports and Manipulating data
- ❖ **Framework Manager**
- ❖ Data Sources and metadata modeling
- ❖ Data Modeling and relational & dimensional data
- ❖ **Power Play OLAP Modeling**
- ❖ Dimensions, Levels, Measures and Time Dimensions
- ❖ Creating Power Cube, applying security and deployment