Cognos TM1Training Course Content

INTRODUCTION TO DATAWARE HOUSING (DWH)

- Describe IBM Cognos Business Intelligence (BI) and Financial Performance Management (FPM)
- Introduction to DWH
- Characteristics of DWH
- OLTP Vs OLAP Databases
- Different Approaches of DWH (Kimball Vs Inmon)
- Data mart Vs Data Warehouse
- Fact Table Vs Dimension Table
- Types Of Facts
- Types Of Dimensions
- ETL
- Staging Area
- Concepts of Schemas (Star schema & Snowflake schema)
- Surrogate Key
- Slowly Changing Dimension Types
- Industry leading ETL and Reporting tools

INTRODUCTION TO COGNOS

- About Cognos 10.1
- 3 – Tier Cognos 10.1 Architecture
- Cognos Release (EP series7, Report net , Cognos 8.0/8.1/8.2/8.3) and their differences
- New Features of Cognos 10.1
- Cognos Vs other OLAP tools
- Cognos components (Modeling & Reporting)
- Different Cognos services

IBM COGNOS BI ARCHITECTURE
□ Identify features of the IBM Cognos BI architecture
□ Explain the Dispatcher and Cognos BI servlets and services
□ Identify an example of Cognos BI request processing
□ Examine the Cognos Application Firewall
□ Content Manager and Content Store
□ Perform a distributed installation and configuration of IBM Cognos BI

COGNOS CONNECTIONS
- Personalize Cognos Connection
- Create and manage portals, shortcuts, report views..etc
- Running the Report Burn
- Various Options in Cognos Connection
- Working with Cognos configuration, content Store
- How to Connect to different Data Sources
- Security setup
- Properties of an Entry
- Search for an Entry
- Bookmark an Entry
- Import and Export of Package (Deployment)
- Scheduling and manage reports
- Create Jobs
- Cognos groups and roles
- Cognos Business Insight Advanced

QUERY STUDIO
- Introduction
- Features in Query Studio
- About Ad-hoc Reports
- Types of Report(List, Cross Tab, Chart Reports & Others)
- Applying Filters, Prompts & Calculations
- Sorting, Grouping, Sections & Aggregate Functions
- Apply page break on Reports
- Run and Manage reports
· Define custom group

· Conditional formatting

· Expand and Collapse groups

· Apply Swap and Rows on Reports

REPORT STUDIO

- Report Studio User Interface
- Creating, Save and run reports
- Managing Reports.
- Creating list, Cross Tab, Chart, repeater, Maps & Other Reports
- Group and section on List report having 1:M relationship
- Group span on List report having 1:1 relationship
- Apply page break on reports.
- Headers and Footers on Crosstab report
- Report templates, formatting Reports – fonts, style, header, footer, boarder…etc
- Filters, Parameters and Prompts
- Subtotals and Calculations
- Working with Queries
- Generating and Creating Prompt Page
- Format Data
- Map Report, Repeater objects
- Types of Prompts
- Types of Variables
- Layout Component Reference to reuse the objects
- Building the Cube Reports
- Building the Dashboard Reports
- Query Calculations & Layout Calculations
- Filters and Dynamic Filters
- Conditional Block
- Conditional Formatting
- Master Details Relationship reports
- Cascading Prompt
- Set Operators
- Setting Burst Options
- Drill through reports

- HTML Items & Hyperlinks
- Drill up & Drill down
- Setting Variables
- Report Functions
- Report Validation
- Bookmark
- Bursting
- Reports Run with Options
- Different types of Reports with various functionalities
- Unions
- Joins
- Components and their properties.

ANALYSIS STUDIO
- Insert Data
- Change the number of Visible Items
- Analyze data using Analysis Studio
- Nest Data
- Replace Data
- Sort Data
- Explore Data
- Change the measure
- Drill up & Drill down on reports
- Drill down for Details
- Hide Items
- Insert a calculation
- Save a custom set
- Define a filter
- Compare sets of data
- Using Dynamic Context

EVENT STUDIO
- Creating Agents
- Adding Event conditions
- Task and Task execution rules

- Scheduling Agents

METRIC STUDIO
- Identify scorecards, metrics, and metric types
- Organize metrics with strategies
- Track initiatives with projects
- View metric history
- Address problems with actions
- Monitor status visually with diagrams
- Verify metric details
- Quickly access important metrics
- Create a scorecard
- Create metrics
- Enter metric values
- Customize Metric Studio
- Report on Metric Studio data

FRAMEWORK MANAGER
- About Framework Manager
- Framework Manager, Metadata Modeling
- Creation of Interface and Usage
- Create a Project
· Creating the data source connection
- Creating Model & Namespace (Layers)
- Importing Metadata
· Work with dimensions and Modify properties of Query Items
· Naming convention for objects in a project
- Creating Query Subjects & Query Items
- Merging Query Subjects
- Creating Relationships & Setting Cardinalities
- Creating Parameter Maps & Macros
- Creating of Model Filters, Prompts & Calculations
- Parameter Map
- Loop
- Usage property, regular aggregate properties

- Add Business Rules and Set Governors
- Assigning package level security, Object Level security and Data Level security
- Improving performance
- Describe Transformer capabilities and its role in IBM Cognos BI
- Describe Transformer components
- Organize the model
- Publishing Package

DASHBOARDS in IBM Cognos BI
- Describe IBM Cognos Business Insight
- Explore navigation and general functionality
- Create a dashboard from existing content
- Modify an existing dashboard
- Collaborate on a dashboard

Extend IBM Cognos BI
- Describe IBM Cognos Go Mobile
- Explain IBM Cognos for Microsoft Office

INTRODUCTION TO POWERPLAY TRANSFORMER CUBES
· Cognos 10 Cube Creation using Transformer
· Different aspects of Cognos cube
· Levels, categories, dimension and measures in Transformer
· Viewing the cube data in Power play reports

COGNOS BI ADMINISTRATION
· Describe the role of the Administrator in relation to the IBM Cognos BI administration workflow process
- Describe the role of IBM Cognos Administration and IBM Cognos Configuration user interface components
- Manage dispatchers and services
- Tune server performance
- Identify issues while troubleshooting the server environment
- Formulate the IBM Cognos BI backup strategy

- Configure IBM Cognos for Microsoft Office
- Manage user profiles

· Enable users to navigate to related data in IBM Cognos BI

COGNOS TM1

- Review financial performance management
- Describe the architecture and components of TM1

Create Dimensions

· Review cubes and dimensions

· Create dimensions manually

· Edit dimensions

· Create dimensions using Turbo Integrator

Build Cubes and Views

· Discuss cubes and data points

· Create cubes

· Construct views of data in cubes

· Create and use a pick list

Load and Maintain Data

· Create processes to load data

· Create a process to delete data in a cube

· Create processes to update the model

Add Business Rules

· Discuss a rule

· Construct rules for elements or consolidations

· Use functions in rules

· Optimize rule performance

· Discuss rules in a Rule Worksheet

Optimize Rule Performance

· Optimize rule performance

· Use Skip check and Feeders

· Employ tools to enhance rules and feeders

Transfer Data into Your Model Using Scripts
· Review advanced tabs in Turbo Integrator
· Add a subset to a dimension
· Use logic in scripts
· Move data between versions
· Construct chores

Customize Drill Paths
· Create a Drill Process
· Create a Drill Assignment Rule

Using Rules for Advanced Modeling
· Discuss virtual cubes
· List uses for lookup cubes
· Create and use a spread profile cube
· Move data between versions
· Implement moving balances in a cube

Convert Currencies
· Discuss currency challenges
· Create currency dimension
· Create currency cube
· Create rules for currency conversion

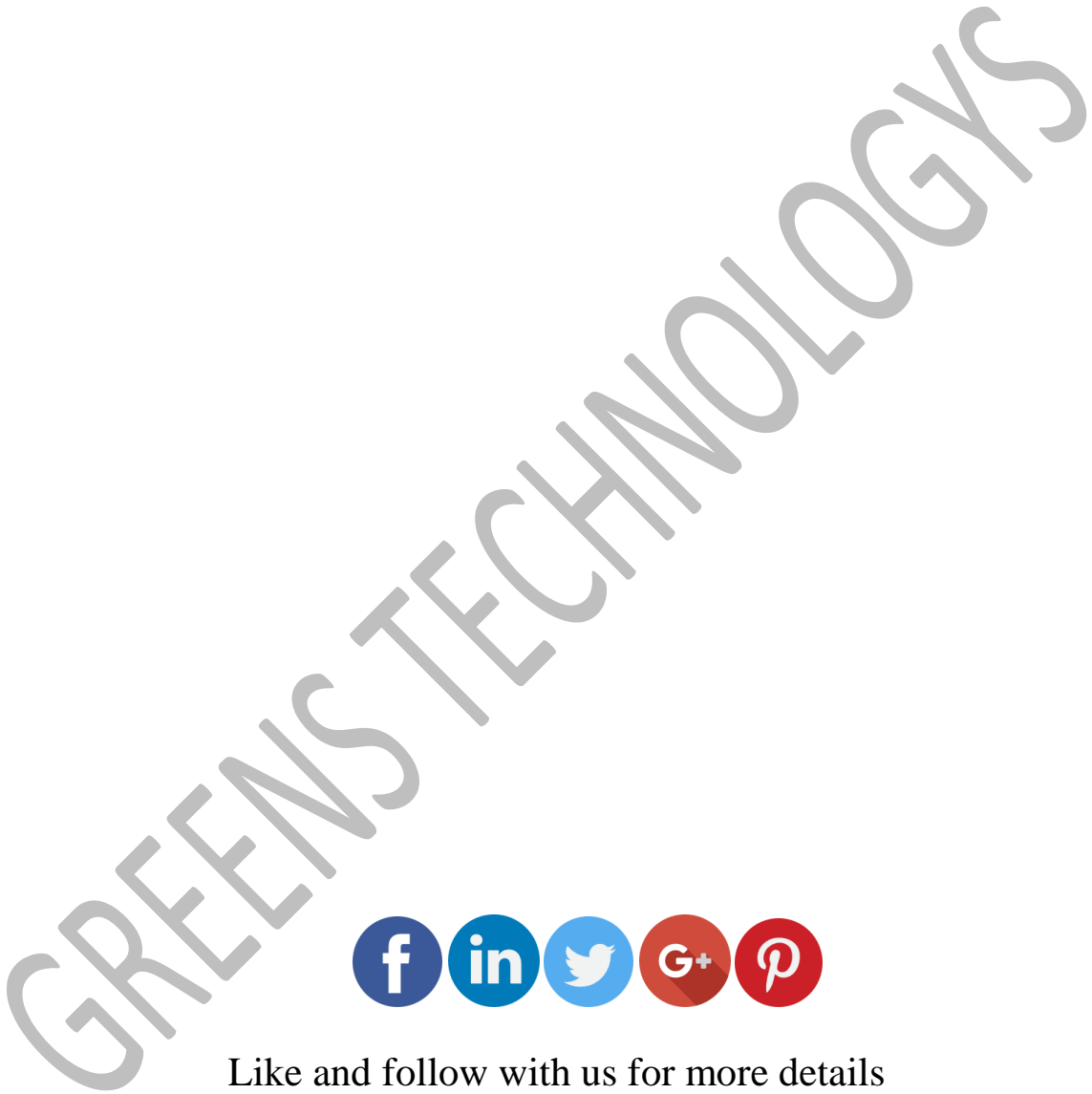**Model for Different Fiscal Requirements**
· Discuss time considerations
· Use discrete time dimensions
· Implement a continuous time dimension model

Introduction to Managed Planning Applications
· Review the purposes and benefits of a managed planning application
· Review supported platforms

Contribute Data to Managed Planning Applications

· Access Managed Planning Applications

· Identify user roles and workflow states

· Enter data using shortcuts and spreading

· Submit and reject data

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