

SAP EDUCATION



BUSINESS INTELLIGENCE:

The reporting, analysis, and interpretation of business data is of central importance to a company in guaranteeing its competitive edge, optimizing processes, and enabling it to react quickly and in line with the market. With Business Intelligence (BI), SAP Net Weaver provides data warehousing functionality, a business intelligence platform, and a suite of business intelligence tools with which an enterprise can attain these goals. Relevant business information from productive SAP applications and all external data sources can be integrated, transformed, and consolidated in BI with the toolset provided. BI provides flexible reporting, analysis, and planning tools to support you in evaluating and interpreting data, as well as facilitating its distribution. Businesses are able to make well-founded decisions and determine target-orientated activities on the basis of this analysis.

Delivery Type: Class – Room Instructor Led

Locations: Calgary, Edmonton, Vancouver, Ottawa, Montreal & Toronto

COURSE CONTENTS

→ SAP Net Weaver Business Intelligence Overview:

- Integration of Business Intelligence capabilities in SAP Net Weaver
- Architecture and functions of BI
- BI business content and BI metadata repository
- Enterprise Data Warehousing
- Enterprise Reporting, Query & Analysis
- Business Planning and Analytical Services

→ Enterprise Data Warehousing:

- Architecture of SAP Net Weaver 7.0 BI
- Overview of the most Important Objects (Info Objects, Info Providers etc) of BI and their attributes
- Components of the data flow and extraction of data from SAP source systems or additional data sources in BI
- Benefits and use of Business Content
- Introduction to the administration of BI data targets
- Principles of optimizing query performance (BI accelerator)

→ BI – Enterprise, Reporting, Query and Analysis – Part 1:

- Architecture and functions of SAP BI Analysis Tools
- Navigating in SAP BI Reports
- Creating Query definitions with the BEx Query Designer and the BEx Web Analyzer
- Using Key Figures, Features, hierarchies, variables, properties, exceptions and conditions in the query definition
- Using the BEx Information Broadcaster to distribute reports
- Integrating Reports in the SAP Enterprise Portal
- Integrating Documents in Reports
- Configuring the Report – Report Interface
- Delivering Reports based on MS Excel and / or HTML
- Using Predefined reports from the SAP Business Content

→ BI – Enterprise, Reporting, Query and Analysis – Part 2:

- Using different Web Items to create sophisticated Web Applications
- Creating formatted reports that are optimized for presentations and printing
- Using GIS functions to display data on clickable maps
- Extended use options and setting options for the BEx Information Broadcaster
- Using the extended options based on MS Excel
- Introduction to modeling analytical applications with the Visual Composer

→ **BI – Modeling and Implementation:**

- Creating a requirements analysis
- Developing a BI data model
- Modeling data marts
- Enhancing / changing the data model, remodeling
- Aspects of an enterprise data Warehouse Architecture
- Special modeling and Data Warehousing aspects
- Info Sets, Multi Providers and Open Hub Service

→ **BI – Data Acquisition:**

- Data Flow in BI Data Acquisition (Data Transfer Process)
- Transformations in BI (such as translating Units of Measure)
- Direct Access
- Real – Time Data Acquisition
- Data Extraction from SAP Source Systems
- Enhancing BI Content Data Sources
- Delta Management
- Transferring data from the flat files
- Transferring data Using DB Connect
- Transferring data Using Web Services
- Data Mart Interface
- Define and manage Process Chains

→ **BI – Performance & Administration:**

- Consolidate Knowledge in the field of administration and performance
- Optimize and monitor query performance
- Optimize and monitor data import performance
- BI accelerator and aggregates
- Archiving and near-line storage
- Partitioning

- Transport Management
- BI Customizing for special subjects

→ **BI – User Management & Authorizations:**

- Architecture and strategies for a BI authorization concept
- Security requirements in SAP BI
- Setting up authorizations for reporting
- Authorizations for administrative tasks in BI
- Standard roles and templates for the authorization concept
- Authorizations for connected source systems
- Authorizations for the planning environment

→ **BI – Integrated Planning:**

- Setting up planning structures and observing modeling aspects
- Setting up customizing and executing planning functions
- Setting up a planning query that is ready for input using the BEx Query Designer
- Displaying different query tools in the planning context
- Creation of Work Books and Web User Interfaces
- Using the characteristics relationships to integrate correct business characteristic relationships in the planning
- Integrating the status and tracking system as a monitoring tool in the planning

→ **BI – Data Mining and Analysis Process Designer:**

- Principles of Data mining
- Data Problems
- Architecture of BI data mining
- Framework and methods of BI data mining
- BI data mining – tools, especially the Analysis Process Designer (APD)
- Complex Uses for the APD

CONTACT US

Course schedule information is available on www.sitinfosys.com

Please check with us for the latest information.

Copyright © 2010 *SI & T Infosystems* All rights reserved

SI & T Infosystems

Phone: (403) 401 - 4125

Email: info@sitinfosys.com