



◆ Course information for SAP Solution Academy

Course Code and Name:

- Procurement – Solution Consultant
 - TSCM50 Procurement I
 - TSCM52 Procurement II

- Order Fulfillment - Solution Consultant
 - TSCM60 Order Fulfillment I
 - TSCM62 Order Fulfillment II

- Human Resource - Solution Consultant
 - THR 10 Management/Administration I
 - THR 12 Management/Administration II

- Financial Acc. - Solution Consultant
 - TFIN50 Financial Accounting I
 - TFIN52 Financial Accounting II

- Management Acc. - Solution Consultant
 - TFIN20 Management Accounting I
 - TFIN22 Management Accounting II

- Planning & Manufacturing - Solution Consultant
 - TSCM40 Planning/Manufacturing I
 - TSCM22 Planning/Manufacturing II (incl. Case study)

- PLM - Project Management Solution Consultant (PS)

- PLM - Asset Life-Cycle Management-Plant Maintenance (PM)

- ABAP with SAP NetWeaver 7.0
 - TAW10 ABAP Basics
 - TAW12 ABAP Objects and How To Use It

- *BW- Business Intelligence with SAP NetWeaver 7.0*
 - TBW10 Enterprise Data Warehousing
 - TBW20 Reporting and Query Design
 - TBW42 Advanced Enterprise Data Warehousing and Reporting
 - TBW45 Integrated Planning

- TEP10 SAP Enterprise Portal Implementation and Operation

- CRM- Fundamentals
 - TCRM10 CRM-Fundamentals I
 - TCRM10 CRM-Fundamentals II

- SAP NetWeaver 7.0 - Exchange Infrastructure(Technology)
 - Track: TBIT40 +TBIT50 + TBIT51
 - TBIT40 SAP NetWeaver Process Integration
 - TBIT50 PI - Technical Implementation I
 - TBIT51 PI - Technical Implementation II and Operations

- SAP NetWeaver 7.0 - Exchange Infrastructure(Development)
 - Track: TBIT40+TBIT402+TBIT403+TBIT44
 - TBIT40 SAP NetWeaver Process Integration
 - TBIT402 PI - Adapter Concepts (File, JDBC, JMS, Mail)
 - TBIT403 PI - Adapter Concepts (Plain HTTP, IDoc, RFC, SOAP, PCK)
 - TBIT44 Mapping and BPM

- BASIS – SAP NetWeaver - Core Technology (SAP Web AS)
 - Track Description: Oracle Track: TADM10 + TADM12 + TADM51
 - TADM10 Web AS Implementation & Operation I
 - TADM12 Web AS Implementation & Operation II
 - TADM51 Web AS DB Operation (ORACLE)

- Business Planning and Consolidation with SAP BPC 7.0
 - BPC310 - SAP Business Planning and Consolidation: Application Configuration
 - BPC320 - SAP Business Planning and Consolidation: Reporting, Budgeting, Journals, Foreign Currency Translation
 - BPC330 - SAP Business Planning and Consolidation: Application Configuration
 - BPC340 - SAP BusinessObjects Planning and Consolidation: Focus on Consolidation

- SAP SRM--Supplier Relationship Management with SAP SRM 7.0

- SCM APO - Planning in SAP SCM (SCM5.0)

- SAP BusinessObjects Enterprise XI 3.x
 - BOE310 Administration and Security
 - BOE320 Administering Servers
 - BOE330 Designing and Deploying a Solution
 - Certification

- SAP BusinessObjects Crystal Reports 2008
 - BOC310 Report Design I - Fundamentals of Report Design

- BOC320 Report Design II - Business Reporting Solutions
- BOC330 Report Design III - Report Processing Strategies
- BOC345 Report Design IV(e-learning)
- Certification

- SAP BusinessObjects Data Integrator XI R2
 - BOI 210 SAP BusinessObjects Data Integrator Accelerated: Extracting, Transforming and Loading Data
 - Certification

- SAP BusinessObjects Web Intelligence XI 3.0/3.1
 - BOW310 Web Intelligence XI 3.0/3.1: Report Design
 - BOW320 SAP BusinessObjects Web Intelligence XI 3.0/3.1: Advanced Report Design
 - Certification

Course Content:

TSCM50 Procurement I

Course Goals

- Explain and use the basic functions of external procurement in SAP ERP
- Make the necessary settings for consumption-based planning
- Use special functions of purchasing
- Operate with the functions of logistics invoice verification

Target Audience

- Solution consultants who are responsible for implementing the procurement functions of SAP ERP.

Course Content

- Procurement of stock material, consumable material, and services
- Master data of materials management: material, vendor, purchasing info record, source list, quota arrangement
- Documents and functions of purchasing: Purchase requisition, request for quotation/quotation, purchase order, contract, scheduling agreement, source determination, and document release procedure
- Planning procurement proposals using consumption-based planning, especially the procedure of reorder point planning
- Details and customizing settings of logistics invoice verification
- Reports
- Automation options in the external procurement process

TSCM52 Procurement I I

Course Goals

- Enter goods movements in the SAP system and make the relevant settings for special functions
- Prepare and perform a physical inventory of warehouse stock
- Make customizing settings in materials management
- Utilize their knowledge directly as a junior consultant in a first period of practice

Target Audience

- Solution consultants who are responsible for implementing the procurement functions of SAP ERP

Course Content

- Goods receipts, goods issues, and transfer postings
- Reservations
- Special forms of inventory management
- Preparation and performance of a physical inventory
- Customizing settings for organizational levels, master data, purchasing, inventory management, physical inventory, and account determination
- Integrated case study for implementation of a fictitious demo company using specific business processes: configuration and mapping of the company structure, master data, and business processes in the SAP system
- Certification examination SAP Certified Application Associate - Procurement with SAP ERP 6.0 on the content of the courses TSCM50, TSCM52, SAP125, TERP01, TERP02, TERP41, SM001

TSCM60 Order Fulfillment I

Course Goals

- Execute the main business procedures involved in sales and distribution processing.
- Implement the main functions and Customizing settings in sales and delivery processing.

Target Audience

- This course is aimed at Solution Consultants responsible for implementing order fulfillment with SAP ERP and SAP SCM.
- The course is also suitable for customers who are still using SAP R/3.

Course Content

- Processes in sales and distribution: organizational structures in sales and distribution, working with customer and material master data in sales and distribution, overview of the process chain for sales order processing, introduction to pricing in sales and distribution, introduction to the availability check, sales and distribution processing with make-to-order production, credit memo processing and returns processing, introduction to sales and distribution reporting.
- Sales: Creating and processing sales orders, sales document types, item categories, schedule line categories, document flow and copying control, partner determination, contracts and scheduling agreements, special business transactions, incompleteness logs, material determination, material listing/exclusion, product selection, free goods.
- Mini case study in sales.
- Delivery processes: Controlling outbound deliveries, creating and processing deliveries, picking, packaging, goods issue.

TSCM62 Order Fulfillment I I

Course Goals

- Implement functions and make Customizing settings in pricing and billing.
- Use functions and Customizing settings in general sales and distribution processes such as output and text determination.
- Utilize your knowledge directly as a junior consultant in your first period of practice.

Target Audience

- This course is aimed at Solution Consultants responsible for implementing order fulfillment with SAP ERP and SAP SCM.
- The course is also suitable for customers who are still using SAP R/3.

Course Content

- Definition and maintenance of prices, surcharges, and discounts
- Setting up condition tables, access sequences, and condition types as part of pricing
- Using prices and other conditions in sales documents
- Promotions and sales deals
- Rebate processing
- Mini case study in pricing
- Controlling billing documents
- Creation forms and settlement forms for billing documents
- Billing plans and down payments
- Revenue account determination, business area account assignment, features of the SD-FI interface
- Message determination
- Text determination
- Integrated case study: implementation of a fictitious demo company using specific business processes, configuration and mapping of the company structure, master data, and business processes in the SAP system. Review and certification preparation
- Certification examination for SAP Certified Application Associate - Order Fulfillment with SAP ERP 6.0 EHP4 on the content of the courses SAP125, TERP01, TERP02, TERP61, TSCM60, SM001, TSCM62

THR10 Management/Administration I

Course Goals

- Explain the basic processes of human resources
- Adjust personnel administration data for customer-specific requirements
- Adjust the main aspects of time data
- Carry out reporting in Human Resource Management

Target Audience

- Solution consultants who are responsible for implementing Personnel Administration with SAP ERP Human Capital Management (SAP ERP HCM), in particular in the areas of master data, time management, and reporting

Course Content

- Overview of SAP ERP HCM: Navigation and structures in Human Resource Management, Employee Self-Service, Manager's

Desktop, recruitment, personnel development, personnel cost planning, training and event management, compensation management

- Configuration of human resources master data: Enterprise, personnel and organizational structure, default values and features, billing data: Pay scale and wage type structure, pay scale reclassification and increase, work flows and user interfaces: for example, screen modification and personnel actions, management of global employees
- Configuration of Time Management: Overview of Time Management and its integration with other applications, configuring the work schedule and setting up the planned working time, creating attendance and absence types and their payments, managing time quotas and quota deduction, and configuring the Time Manager's Workplace (TMW)
- Reporting in Human Resource Management: Infosystems, Ad Hoc Query, SAP Query, payroll infotypes and simulated infotypes of Time Management, Human Resource Management in SAP NetWeaver Business Intelligence
- Mini case study

THR12 Management/Administration II

Course Goals

- Explain how Payroll is organized, perform payroll runs, and configure gross payroll
- Configure organizational management
- Utilize your knowledge directly as a junior consultant in your first period of practice

Target Audience

- Solution consultants responsible for implementing Payroll and Organizational Management with SAP ERP Human Capital Management (SAP ERP HCM)

Course Content

- Organization and configuration of payroll: Identifying and operating control mechanisms available in the payroll system, personnel calculation schema and rules, encoding characteristics of wage types, checking the payroll using the payroll log, determining hourly rates, calculating averages, factoring, developing rules to automate the payment of working hours, processing absences in payroll, retroactive accounting
- Organizational management: Maintenance of the organizational structure, matrix organization and structures, reporting and reporting tools, Manager's Desktop and Manager Self Service, integration with other HR components
- Integrated case study: Implementation of a fictitious demo company using specific business processes: configuration and mapping of the company structure, master data, and business processes in the SAP system
- Review and certification preparation
- Certification examination for Solution Consultant Human Resources – Management & Administration with mySAP ERP 2005 on the content of courses SAP125, TERP01, TERP31, THR10, SM001, THR12

TFIN50 Financial Accounting I

Course Goals

- Configure and use organizational units, master data and documents for Financial Accounting
- Configure and use the SAP business processes (such as payment, dunning, correspondence and individual closing)

Target Audience

- Consultants responsible for implementing Financial Accounting with SAP ERP Financials

Course Content

- Organizational units, master data and documents for Financial Accounting: company code, fiscal year, currencies, general ledger accounts, customer and vendor master records, profit center, document control, postings, clearing open items, cash journal
- Handling of payments, dunning, correspondence and closing operations in Financial Accounting:
 - Automatic payment program with clearing of open items
 - Automatic dunning program for creating dunning notices and correspondence
 - Overview of month and year-end accounting processes in Financial Accounting
 - Balance sheet and P&L
 - Preparatory closing postings in subledgers and the general ledger
 - Technical organizational and documentary steps in individual closing
 - Closing Cockpit
 - Configuration of periodic closings in Financial Accounting

TFIN52 Financial Accounting I I

Course Goals

- Implement various business processes and periodic tasks in Asset Accounting, manage master data and configure Asset Accounting
- Apply selected evaluation methods
- Special G/L transactions and document parking
- Apply substitutions and validations as well as archiving to financial accounting
- Utilize your knowledge directly as a consultant in your first period of practice

Target Audience

- Consultants responsible for implementing Financial Accounting with SAP ERP Financials

Course Content

- Organizational structures, master data, and business processes in Asset Accounting:
- Chart of depreciation, depreciation area, asset classes, master data , asset transactions, valuation, periodic processing, information system
- Evaluation methods in Financial Accounting (Infosystem and ABAP reports of general ledger accounting, accounts receivable accounting, and accounts payable accounting, report variants, selection variables in variants, List Viewer, sample evaluations using the drilldown reporting tool)
- Special G/L transactions and document parking
- Validations and substitutions in Financial Accounting
- Archiving in Financial Accounting
- Case study: implementation of a fictitious demo company using specific business processes, configuration and mapping of the company structure, master data, and business processes in the SAP system
- Review and certification preparation
- Certification examination for Certified Application Associate - Financial Accounting with SAP ERP 6.04 on the content of the courses SAP125, TERP01, TERP02, TERP21, SM001, TFIN50, TFIN52

TFIN20 Management Accounting I

Course Goals

- After this training class you are able to:
 - implement overhead management (Actual Postings and periodic closing activities)
 - perform cost center planning
 - perform product cost planning
 - implement cost object controlling

Target Audience

- Consultants responsible for implementing Management Accounting

Course Content

- Organisation Units and Master Data of Overhead Management (Cost Elements, Cost Centers, Activity Types, statistical Key Figures, Internal Orders)
- Debiting Cost Centers and Internal Orders
- Validation, Substitution, Reposting, Direct Activity Allocation
- periodic Postings of Overhead Management (Periodic Reposting, Allocation, Overhead Rates)
- Planning of Costs, Activities and Prices
- Integrated Planning in Management Accounting
- Cost Estimate
- Cost Estimates with Material
- Scenario of Cost Object Controlling

TFIN22 Management Accounting II

Course Goals

- After this training class you are able to:
 - implement Profit Center Accounting with new general ledger
 - implement Profitability Analysis
 - create reports with Report Painter and Drilldown Reporting
 - implement a blueprint of a business scenario during a Case Study

Target Audience

- Consultants responsible for implementing Management Accounting

Course Content

- Profit Center Master Data and Assigning Master Data (in new general ledger)
- Actual Postings of Profit Centers (in new general ledger)
- Profitcenter-Planning (in new general ledger)
- Data Structures of Profitability Accounting
- Derivation of Profitability Segments
- Valuation of Value Fields
- Actual Posting in Profitability Analysis
- Planning in Profitability Analysis

- Report Painter
- Drilldown Reporting
- integrated Case Study: Implementing a business case scenario , Configuration of Enterprise Structure, Master Data and Business Cases in an SAP-System
- Review und Preparation of Certification
- Certification: Certified Application Associate - Management Accounting with SAP ERP 6.04 with SAP ERP 2005 covering training courses SAP125, ERP001, ERP020, TFIN20, SM001, TFIN22

TSCM40 Planning/Manufacturing I

Course Goals

- Apply and communicate master data in the area of planning and manufacturing
- Apply and describe applications for production planning
- Utilize your knowledge directly as a junior consultant in your first period of practice

Target Audience

- Project team members and consultants from SAP partners responsible for implementing Supply Chain Planning & Manufacturing with SAP ERP Central Component (ECC)
- Partners interested in preparation for certification examination

Course Content

- Creating and managing master data: material master, BOM, classes, characteristics, documents, overview of variant configuration, work center, routing, production resources, changes with and without history, mass change
- ERP production planning: production program planning, planning-based MRP, planning strategies for make-to-stock and make-to-order production, implementing requirements planning, processing of MRP results, additional MRP processes

TSCM42 Planning/Manufacturing II (incl. Case Study)

Course Goals

- Utilize and describe basic functions for managing production orders (PP-SFC), repetitive manufacturing (PP-REM), process orders (PP-PI) and KANBAN (PP-KAN) as further options in production management
- Utilize your knowledge directly as a junior consultant in your first period of practice

Target Audience

- This course is aimed at project team members and People with consultants responsible for implementing Supply Chain Planning & Manufacturing with SAP ERP Central Component (ECC) and SCM.
- The course is also suitable for customers who are still using SAP R/3.

Course Content

- Order-controlled production with production orders: Overview of order categories and types, order structure/processing run, order creation/changing orders, interface with planning, order release (status management, availability checks), printing order documents, material staging and withdrawal, process integration (interfaces) and order control, confirmations, goods receipt, order settlement, archiving and deletion, information systems (overview), automation (mass processing, collection orders (multilevel order management))
- Overview of production with process orders, repetitive manufacturing, KANBAN and capacity planning

- Integrated case study: implementation of a fictitious demo company using specific business processes, configuration and mapping of the company structure, master data, and business processes in the SAP system ECC.
- Review and certification preparation
- Certification examination for Solution Consultant SCM - Planning/Manufacturing with SAP ERP 2005 on the content of the courses SAP125, ERP001, TSCM40, SM001, TSCM42

PLM - Project Management Solution Consultant (PS)

Course Goals

- Explain the different functions of the SAP Project System
- Explain the different project structures
- Explain and demonstrate the creation and editing of project structures
- Identify the required Customizing settings for project structures.
- Explain how projects are planned and controlled from the logistics point of view Detail the required customizing settings for a project from the logistics point of view
- Understand the accounting processes for managing customer-oriented projects.
- The course demonstrates a project with networks and WBS.
- Understand the accounting processes for managing expense and investment oriented projects.
- Understand Budgeting and Integration to Investment Management using cost and investment projects
- Gain an overview on network calculation.
- Participants learn how to evaluate important key figures using the information systems in SAP Project System.

Target Audience

- Project managers
- Project team members
- Consultants

Course Content

- Work breakdown structures
- Networks
- Project Builder and project planning board
- Scheduling
- Resource planning
- Materials in projects
- Cost Planning and revenue planning
- PS cash management
- Budgeting
- Actual data and commitments
- Period end closing (Scheduling Manager)
- Information systems
- Integration to other applications
- Work breakdown structures (WBS)
- Activities and networks
- Milestones
- Documents
- Project Builder and project planning board
- Claim Management
- Project simulations and project versions
- Standard project structures

- Assembly processing
- Tools (mass change, validation and substitution, Open PS, variant configuration)
- Archiving
- Scheduling projects
- Capacity planning and workforce planning
- Confirmation of activities
- Cross Application Time Sheet (CATS)
- Project workflow
- External services and services (general)
- Material procurement (purchasing and production)
- Preliminary requirements
- Requirements grouping
- Delivery from projects
- ProMan
- Progress tracking
- Cost Planning
 - Networks
 - Overview of Easy Cost Planning
- Revenue Planning
- Commitment Management
- Project Stock (valuated/non-valuated)
- Actual costs
 - Purchasing
 - Production
 - Activity allocation
 - CATS
- Actual Revenue
 - Resource-related billing
 - Milestone billing
- Period-end closing - Schedule Manager:
 - Overhead Calculation
 - Activity Based Costing
 - Interest Calculation
 - Results Analysis
 - Settlement
- Cost Planning
 - Structure Planning
 - Detailed Planning
 - Easy Cost Planning
 - Networks (only overview)
- Investment Management
- Budgeting
 - Cost Projects
 - Investment Projects
 - Availability Checking
- Actual costs
 - Execution Services
 - CATS
 - Purchasing
 - Networks
- Period-end closing:
 - Overhead Calculation
 - Activity Based Costing (Template-Calculation)
 - Settlement
 - Schedule-Manager
- Information system structures
- Information system controlling
 - Hierarchy reports:
 - Cost element reports
 - Line item reports

- Progress Analysis:
 - Progress value determination
 - Milestone trend analysis
- Area controlling:
 - Project summarization
 - Interface in Profitability Analysis and Profit Center Accounting
 - Business Information Warehouse

PLM - Asset Life-Cycle Management - Plant Maintenance

Course Goals

- - Explain the Asset Life-Cycle Management component of PM
 - Identify how the essential maintenance management business processes are represented
 - Explain how Asset Life-Cycle Management is integrated with other R/3 applications
- Explain in detail the purpose, organization, and customizing settings of object and asset structures within Asset Life-Cycle Management - Plant Maintenance and Asset Life-Cycle Management - Customer Service
- - Outline the processes in preventive maintenance
 - Explain in detail the time-based and performance-based maintenance processes
 - Explain the integration between Plant Maintenance and Quality Management and the regular procurement of services based on maintenance plans
- - Make all the changes necessary to the settings in the Implementation Management Guide (IMG) for maintenance processing
 - Use application-specific functions such as approvals and permits, workflows, and time confirmation via CATS
- - Explain in detail the controlling aspects of maintenance order processing
 - Identify the relevant settings for the controlling aspects of maintenance order processing in the Implementation Management Guide(IMG)
 - Explain the various options for cost planning and budgeting
 - Explain the options for analysis and evaluation information using the Plant Maintenance Information System (as part of LIS) and Business Information Warehouse (BW)
- - Directly apply your knowledge as a junior consultant in a practical context using the SAP knowledge that you gained from the previous courses and acquire in constructing a demo company in this course

Target Audience

- Project leaders
- Project team
- Solution consultants responsible for implementing plant maintenance with mySAP PLM

Course Content

- - Organization of Plant Maintenance
 - Technical Objects
 - Breakdown Maintenance
 - Corrective Maintenance
 - Spare Parts
 - Preventive Maintenance (Maintenance Plan)
 - Project-oriented Plant Maintenance (Short Overview)
 - Work Clearance Management (Short Overview)
 - Mobile Solutions (Short Overview)
 - Reporting and Analysis
- - Functional Locations (Additional Functions)
 - Equipments (Additional Functions including fleet management)
 - Bills of Material and Assembly Groups
 - Serial Numbers
 - Application Examples from Customer Projects
 - Classification and Configuration
 - Measuring Points and Counters
 - Additional Functions (for example, Partner, User Status, Guaranties, and so on.)

- -Management of Task Lists -Maintenance planning with one cycle
 - Maintenance planning with strategy: time-based
 - Maintenance planning with strategy: performance-based
 - Maintenance planning with cycles of different dimensions
 - Maintenance plan-based sales of services
 - Condition-based maintenance
 - Maintenance plan-based test equipment management

- -Internet and intranet access to plant maintenance functions (portals)
 - Notification (notification type, catalogs, catalog profile)
 - Planning (order type, work center, capacity planning)
 - Scheduling (availability check, scheduling, approvals, workflows, printing)
 - Completion (completion confirmation, history, CATS)

- -Costs in the Maintenance Process (estimated costs, planned costs, actual costs)
 - Settlement of Orders
 - Budgeting and Cost Planning (individual budgets, maintenance projects, investments)
 - Plant Maintenance Information System (info structure, update)
 - Key figures and queries in Business Information Warehouse relevant to Plant Maintenance

- -Directly apply your module knowledge as part of a case study by setting up a model company using given business processes
 - In the case study, the project team implements the following processes : Corrective maintenance, preventive, maintenance, refurbishment, controlling of orders
 - Preparation for the certification examination
 - Certification examination as Solution Consultant PLM ?Asset Life-Cycle Management ?Plant Maintenance (2003) based on the content of the previous courses and TPLM30 (Asset Life-Cycle Management ?Plant Maintenance (Case Study))

TAW10 ABAP Basics

Course Goals

- work with the ABAP Workbench tools
- write simple ABAP programs

Target Audience

- Development consultants who are responsible for developing and adapting ABAP programs

Prerequisites:

Essential

- * Essential
- Programming experience in another programming language

Recommended

- None

Course Content

- Introduction to SAP NetWeaver Application Server
- ABAP Workbench
- ABAP programming basics: fundamental syntax elements, user dialogs, function modules, program calls, and data transfer
- ABAP Dictionary: creating global types (tables, views) and search helps
- Open SQL
- Programming classical screens (dynpros): screen elements, flow logic, user interface

TAW12 ABAP Objects and How To Use It

Course Goals

- write object oriented programs with ABAP
- use the enhancement concept
- create simple ABAP Web Dynpro applications

Target Audience

- Development consultants who are responsible for developing and adapting ABAP programs

Prerequisites:

Essential

- TAW10 [ABAP Basics](#)
- e-learning TAW11 ABAP Details

Recommended

- None

Course Content

- ABAP Objects: classes and objects, inheritance, interfaces, events, exception handling
- Shared Objects
- Dynamic programming: field symbols, Runtime Type Services (RTTS)
- Enhancements and modifications: enhancing Dictionary elements; Customer Exits, Business Add Ins (BAdIs), modifications
- ABAP Web Dynpro (overview): components, context, controller, UI, navigation
- Certification test to become an SAP Certified Development Associate - ABAP with SAP NetWeaver 7.0

TBW10 Enterprise Data Warehousing

Course Goals

- The participants gain the detailed BW knowledge necessary to carry out successful implementation and administration within a heterogeneous SAP BW system landscape

Target Audience

- Solution consultants responsible for implementing SAP NetWeaver BW

Prerequisites

Essential

- Basic knowledge of data warehousing

Recommended

- Experience of one SAP component
- Basic understanding of the Data Dictionary

Course Content

- Architecture of SAP NetWeaver BW 7.0

- Overview of the most important objects (Info objects, InfoProviders and so on) in BW and their properties
- Components of the data flow and extracting data from SAP source systems or other data sources in the BW
- Benefits and use of the BW Content
- Introduction to administration of BW data targets
- Basics for optimizing query performance (BW Accelerator)

TBW20 Reporting and Query Design

Course Goals

- In this course you will gain knowledge that will enable you to create simple and complex query definitions using the BEx Query Designer and to make these available in standard layouts using the BEx Analyzer and the BEx Web Analyzer.

Target Audience

- Solution consultants responsible for implementing SAP NetWeaver Business Warehouse

Prerequisites

Essential

- TBW10 [BW - Enterprise Data Warehousing](#)

Recommended

- None

Course Content

- Architecture and functions of the SAP BW analysis tools
- Navigation in SAP BW reports
- Creating query definitions using the BEx Query Designer
- Integrating key figures, characteristics, hierarchies, variables, properties, exceptions and conditions in the query definition
- Delivering reports and adhoc-analysis using the BEx Analyzer and the BEx Web Analyzer
- Using the BEx Information Broadcaster to distribute reports
- Integrating reports in the SAP Enterprise Portal
- Integrating documents in reports
- Configuring report-report interfaces
- Using predefined reports from the SAP Business Content

TBW42 Advanced Enterprise Data Warehousing and Reporting

Course Goals

- In this course you will gain in-depth knowledge in the areas of extraction, modelling and layout of reports

Target Audience

- Solution consultants responsible for implementing SAP NetWeaver BW

Prerequisites

Essential

- TBW10 [BW - Enterprise Data Warehousing](#)
- TBW20 [BW - Reporting and Query Design](#)
- The following is included when you book TBW42: E-Learning TBW41 BW
- Extraction with UDI and XI and APD, which you must complete in your own
- time before or after the course begins (we recommend that you do it
- after attending TBW42 for didactic reasons).

Recommended

- None

Course Content

- Data acquisition (data flow in BW, transformations, delta management, enhancement of Business Content DataSources, process of extracting data from SAP source systems including process chains, data staging via different interfaces, real-time data acquisition, direct access, unit of measure conversion)
- Modeling (developing a BW data model, modeling data marts, enhancing/changing the data model, remodeling, aspects of an Enterprise Data Warehouse architecture, special aspects of modeling and data warehousing, InfoSets, MultiProvider)
- Report layout (using different web items to create demanding web applications, creating formatted reports that are optimized for presentation and printing, advanced options and settings options in the BEx Broadcaster, using the advanced options in MS Excel)

TBW45 Integrated Planning

Course Goals

- This course give you an in-depth insight into BW integrated planning

Target Audience

- Solution consultants responsible for implementing SAP NetWeaver BW

Prerequisites

Essential

- For new SAP BW consultants:
- TBW10 [BW - Enterprise Data Warehousing](#)
- TBW20 [BW - Reporting & Query Design](#)
- TBW41 [BW – Extraction with UDI & XI and APD](#)
- TBW42 [BW – Advanced Enterprise Data Warehousing & Reporting](#)

Recommended

- None

Course Content

- Status and tracking system
- Setting up planning structures and looking at modelling aspects
- Customizing and executing planning functions
- Setting up a planning query that is ready for input using the BEx Query Designe
- Integrating the planning query in different end-user interfaces
- Displaying different query tools in a planning context
- Using characteristic relationships to integrate the correct business characteri
- Integrating the status and tracking system in planning, as a monitoring tool
- Certification examination for SAP NetWeaver BW Solution

TEP10 SAP Enterprise Portal Implementation and Operation

Course Goals

- Understand the concepts and make use of SAP Enterprise Portal
- Install, configure, and administer SAP Enterprise Portal

Target Audience

- Technology consultants responsible for the implementation and operation of SAP Enterprise Portal

Prerequisites

Essential:

- TADM10 SAP Web AS Implementation & Operation I for consultants with no experience in SAP Web AS ABAP & JAVA administration or alternative administration experience
- TADM5 Delta Implementation & Operation SAP Web AS 6.20 - SAP Web AS 6.40 (Java & ABAP) for consultants with experience in SAP Web AS ABAP administration, but no experience in SAP Web AS Java
- Experience in operating system administration (Windows or UNIX)

Course Content

- Fundamentals
 - Overview from an end-user perspective
 - Technical infrastructure and security
 - Portal platform content
- Knowledge management and collaboration
 - Features, concepts, and architecture
 - Configuration of content management
 - Search and classification (TREX)
 - Collaboration
- Implementation
 - Implementation methodology
 - Sizing and distribution
- Installation and patching
- System administration
 - User management and security
 - Integrating enterprise applications
 - Solution management
- Certification examination for Technology Consultant for SAP NetWeaver 2004 ?Enterprise Portal & Knowledge Management and Collaboration. This examination covers the content of both this course and the prerequisite courses (see certification description for more details).

TCRM10 CRM - Fundamentals

Course Goals

- Use the basic knowledge a CRM solution consultant requires for all consultant profiles

Target Audience

- Solution consultants responsible for implementing Customer Relationship Management with SAP CRM

Course Content

- Overview of the SAP CRM application:
 - Fundamentals and architecture
 - Overview of key areas (Marketing, Web Channel, Channel Management, Sales, Interaction Center, Service, Field Applications, Analytics, Implementation & Operation)
- Customizing fundamentals for CRM - CRM basic data:
 - Business partner
 - Organizational model
 - Product master
 - Customizing settings for each object

TCRM20 CRM – Fundamentals II

Course Goals

- Use the basic knowledge a CRM solution consultant requires for all consultant profiles

Target Audience

- Solution consultants responsible for implementing Customer Relationship Management with SAP CRM

Course Content

- Customizing fundamentals for CRM - CRM business transactions
 - Overview of generic functions in business transactions
 - Activity management
 - Customizing for these objects
- Customizing fundamentals for CRM - Process control and determination
 - Partner determination
 - Actions
 - Overview of pricing in CRM
 - CRM billing
- CRM Middleware: basic concepts of CRM middleware, replication administration, data exchange, monitoring, and error handling
- User interface (UI) technology in SAP CRM
- Case Study: implementation of example scenarios using specific business processes
- Certification examination on the content of the courses TCRM10 and TCRM20

TBIT40 SAP NetWeaver Process Integration

Course Goals

- The participants will learn to configure scenarios and understand and configure the different options with which a back-end system can be connected to the SAP NetWeaver Process Integration (formerly known as SAP NetWeaver Exchange Infrastructure)

Target Audience

- Consultants and developers who want to set up scenarios with the SAP NetWeaver Process Integration

Essential

- SAPTEC [Fundamentals of SAP Web AS](#)
- BIT100 [SAP NetWeaver Process Integration - Overview](#)

Recommended

- None

Course Content

- Architecture and components of the SAP NetWeaver Process Integration
- Configuration and runtime behavior of synchronous and asynchronous scenarios
- Connecting back-end systems using proxies and adapters
- Overview of mapping
- Overview of cross-component Business Process Management (ccBPM)
- Outlook to SAP NetWeaver Process Integration in the context of Enterprise SOA

TBIT402 PI - Adapter Concepts (File, JDBC, JMS, Mail)

Course Goals

- Understand the core concepts of the adapter engine delivered with SAP NetWeaver XI.
- Configure the individual XI technical adapters.
- Implement and troubleshoot basic scenarios which rely on adapter technology.

Target Audience

- Development Consultants responsible for configuration of SAP XI scenarios

Prerequisites:

Essential

- TBIT40 [SAP NetWeaver Exchange Infrastructure](#)

Recommended

- BIT100 [SAP NetWeaver Process Integration – Overview or equivalent](#)
- form of knowledge
- BIT140 [Introduction to XML or equivalent form of knowledge](#)
- Basic Java programming knowledge

Course Content

- Adapter overview ("what are adapters and why do we need them?" - overview of XI adapters in general - adapter strategy)
- J2EE adapter engine - architecture + positioning AE, AF, PCK
- File adapter
- JMS adapter
- JDBC adapter
- Plain HTTP adapter
- IDoc adapter
- RFC adapter

- SOAP adapter
- XI2XI adapter
- Mail adapter (SMTP)
- Overview on other adapters (marketplace, RNIF, CIDX, third-party adapters e.g. SEEBURGER and iWay)
- CPA Cache
- Advanced concepts: module processing, adapter metadata...
- AF administration + installation

TBIT403 PI - Adapter Concepts (Plain HTTP, I Doc, RFC, SOAP, PCK)

Course Goals

- Understand the core concepts of the adapter engine delivered with SAP NetWeaver XI.
- Configure the individual XI technical adapters.
- Implement and troubleshoot basic scenarios which rely on adapter technology.

Target Audience

- Development Consultants responsible for configuration of SAP XI scenarios

Prerequisites:

Essential

- TBIT40 [SAP NetWeaver Exchange Infrastructure](#)
- BIT402 [XI – Adapter Concepts \(File, JDBC, JMS, Mail\)](#)

Recommended

- BIT100 [SAP NetWeaver Process Integration – Overview or equivalent](#)
- form of knowledge
- BIT140 [Introduction to XML or equivalent form of knowledge](#)
- Basic Java programming knowledge

Course Content

- Adapter overview ("what are adapters and why do we need them?" - overview of XI adapters in general - adapter strategy)
- J2EE adapter engine - architecture + positioning AE, AF, PCK
- File adapter
- JMS adapter
- JDBC adapter
- Plain HTTP adapter
- IDoc adapter
- RFC adapter
- SOAP adapter
- XI2XI adapter
- Mail adapter (SMTP)
- Overview on other adapters (marketplace, RNIF, CIDX, third-party adapters e.g. SEEBURGER and iWay)
- CPA Cache
- Advanced concepts: module processing, adapter metadata...
- AF administration + installation

TBIT44 PI - Mapping and BPM

Course Goals

- Implement complex SAP NW PI scenarios, including enhanced mapping and BPM Functions

Target Audience

- Development consultants responsible for configuring SAP NW PI scenarios

Prerequisites

Essential

- TBIT40 [SAP NetWeaver Process Integration 7.1](#)
- BIT402 [PI - Adapter Concepts \(File, JDBC, JMS, Mail\)](#)
- BIT403 [PI - Adapter Concepts \(Plain HTTP, IDoc, RFC, SOAP, PCK\)](#)

Recommended

- BIT100 [SAP NetWeaver Process Integration - Overview](#)
- BIT140 [Introduction to XML](#)
- Basic Java programming knowledge

Course Content

- BPM
 - Overview of BPM
 - Step types for ccBPM processes in the SAP PI Infrastructure
 - BPEL4WS import and export
 - Delivered samples (process patterns)
 - Exception handling in ccBPM processes
 - Monitoring and error handling in ccBPM processes
- Mapping
 - Overview of mapping techniques
 - Standard functions in message mapping
 - User-defined functions in message mapping
 - Complex mapping tasks in message mapping
 - Value-mapping techniques in message mapping
 - Further techniques of message mapping
 - Integrating ABAP, Java, and XSLT mapping
 - Examination for certification as a Development Consultant for SAP Process Integration

TBIT50 PI - Technical Implementation I

Course Goals

- Perform the administration and monitoring tasks relevant to the specific components covered in the course.

Target Audience

- Technology Consultants responsible for the implementation and operation of SAP NetWeaver Process Integration 7.1

Prerequisites

Essential

- TBIT40/BIT400 SAP NetWeaver Exchange Infrastructure

Recommended

- TADM5 [Delta Implementation & Operation SAP Web AS 6.20 - SAP Web](#)

- AS 6.40 (Java & ABAP) to gain Java administration know-how

Course Content

- XI technical architecture overview
- Exchange Profile
- Runtime Workbench
- Integration Business Administrator
- PI Software Logistics
- Network Considerations
- Operations
- PI tuning

TBIT51 PI - Technical Implementation II and Operations

Course Goals

- Perform the installation, administration and monitoring of all Process Integration technical components

Target Audience

- Technology Consultants responsible for the implementation and operation of SAP NetWeaver Process Integration

Prerequisites

Essential

- TBIT40 [Process Integration Fundamentals](#)
- or alternatively BIT400
- TBIT50 [Process Integration Technical Implementation I and](#)
- Operations

Recommended

- TADM5 [Delta Implementation & Operation SAP Web Application Server](#)
- 6.20 - SAP Web Application Server 6.40 (Java & ABAP) to gain Java
- administration know-how

Course Content

- Process Integration architecture review
 - Enterprise Services Repository
 - Integration Director
 - System Landscape Directory
- Process Integration Installation and patching
 - Process Integration preparation and installation
 - Post-installation and configuration
 - Patching
- User management and connections + security
 - User Management
 - Security
- Integration Engine
 - Integration Engine XML processing
 - Integration Engine Configuration
 - Performance Optimization
- Monitoring

- CCMS
- Runtime workbench
- NetWeaver administrator
- Use case: msg troubleshooting
- AF Administration
- Certification test Technology Consultant SAP NetWeaver - Exchange Infrastructure & Integration Technology covering the content of TBIT40/BIT400, TBIT50 und TBIT51

TADM10 SAP Web AS Implementation & Operation I

Course Goals

- Perform SAP system administration tasks

Target Audience

- Technology consultants responsible for the implementation and operation of SAP systems

Course Content

- Fundamentals of SAP Web Application Server:
 - Introduction to SAP NetWeaver and the application platform, navigation in SAP systems
 - Architecture of SAP Web Application Server
- Fundamentals of SAP system administration:
 - Starting and stopping an SAP system
 - System configuration options in SAP Web AS ABAP
- User administration, system monitors in SAP Web AS Java and SAP Web AS ABAP
- Fundamentals of SAP Web AS Java
- Basic configuration of SAP Web AS Java
- Patching for SAP Web AS Java
- Change management and software logistics for SAP Web AS Java
- Configuration of integrated SAP Internet Transaction Server (SAP ITS) and use of SAP GUI for HTML
- Internet technologies in the SAP environment:
 - SAP ITS, SAP ICM, SAP Web Dispatcher

TADM12 SAP Web AS Implementation & Operation II

Course Goals

- Configure the Transport Management System (TMS)
- Understand and apply SAP software logistics (ABAP) concepts and tools
- Plan and perform a simple installation of an SAP ECC system
- Perform other standard SAP system administration activities
- Operate SAP performance monitoring and tuning functions

Target Audience

- Technology Consultants responsible for the implementation and operation of SAP systems

Course Content

- Software logistics:
 - Overview of software logistics, configuration of the Transport Management System, performance of transports, client copy

tools, OCS Support Packages, and SAP Notes

- Installation of an SAP ECC system:
 - Preparing and performing a Windows 2000 and Oracle-based implementation, post-implementation work
- Other topics: Fundamentals of printing in SAP systems, setting up help , fundamentals of system security, introduction to document archiving, fundamentals of structured troubleshooting, connection of SAP systems to directory services, and configuration of central user administration
- Workload analysis:
 - Introduction to monitors for analyzing load and performance: workload monitor, buffer analysis, database monitor, operating system monitor, statistics
 - Memory management in SAP systems
 - Basic ICM tuning
 - Basic SAP Web AS Java tuning
 - Expensive SQL statements from the perspective of the SAP system and database: identifying expensive selects and initial problem-solving steps
 - Table buffering and interface monitoring

TADM51 SAP Web AS DB Operation (Oracle)

Course Goals

- Use your knowledge of database administration with reference to CCMS database tools in SAP systems and BR tools
- Put effective data backup strategies into practice
- Put to practical use SAP knowledge gained from previous courses and from this course in the role of junior consultant in a practical context

Target Audience

Technology Consultants responsible for the implementation and operation of SAP systems

Course Content

- Data backups:
 - Backup concepts
 - Backing up data
- Restoring and repairing databases with SAP tools
- Database monitoring:
 - Working with BR tools
 - Working with CCMS tools
- Special features when configuring databases in an SAP environment
- Database storage management
- Database performance monitoring
- Advanced performance analysis topics
- Certification examination for becoming an SAP NetWeaver 2004 ?SAP Web AS for Oracle covering the content of training courses TADM10, TADM12 sowie TADM51

SAP SEMBPC--Business Planning and Consolidation with SAP BPC 7.0

Course Goals

- Implement and configure SAP Business Planning and Consolidation 7.0
- Create reports and input schedules, and implement budgeting, currency translation, inter-company eliminations, journal, and Insight functionality in SAP Business Planning and Consolidation 7M applications
- Implement and configure Planning Scenarios with BPC 7.0NW
- Implement and configure Consolidations Scenarios with SAP BusinessObjects Planning and Consolidation.

Target Audience

- Project Leaders
- (Technical) Pre-Sales
- Application Consultants
- Project team members and consultants with a basic knowledge of Business Warehouse, SAP BusinessObjects Planning and Consolidation

Course Content

- What is SAP Business Planning and Consolidation?
 - Architecture and Terminology
- Creating an Application Set
- Creating Dimensions and Properties
- Creating Applications and Applying Dimensions
- Introduction to Logic/Calculations
- Loading and Validating Data
- Working with BPC for Excel
 - Developing Reports
 - Developing Input Schedules
 - BPC Comments
 - Book Publication
- Working with BPC Web
 - Content Library
 - Live Reporting
- Working with BPC for Word and BPC for PowerPoint
 - Inserting Objects and Data Values
- Security Setup
- Work Status
- Creating Business Process Flows
- Enabling BPC Audit
- Case Study

- Report and Input Schedule topics covered for both EVGTS/EVSND and EVDRE:
 - Formatting
 - Filters
 - Expansions
 - Suppression
 - Retrieving Data from Multiple Applications
 - Drill Down Functionality
 - Indenting Row Headers
 - Custom Buttons
 - BPC Functions and Calculations
- Budgeting:
 - Implementing a Budgeting System
 - Creating and Verifying a Calculation
 - Creating Budgeting Input Schedules
 - Creating a Budgeting Business Process Flow
- Foreign Currency Translation: Set Up and Execution
- Inter-company Eliminations: Set Up and Execution
- Journals: Set Up, Journal Creation, and Journal Reports

- Insight: Set Up, KPIs, and the Dashboard
- Architecture and Terminology
- Creating an Application Set
- Creating Dimensions and Properties
- Creating Applications and Applying Dimensions
- Introduction to Logic
- Loading and Validating Data
- Working with BPC for Excel, BPC for Web and BPC for PowerPoint
- Creation of Reports and Input Schedules referring to EV-functions as EVDRE, EVGTS, EVSND and others.
- Security Concept
- Integration from BI to BPC
- SAP NetWeaver BW Overview
 - Implementing Appsets and Applications.
 - Dimensions, Properties, and Loading Master Data.
 - Consolidation Logic.
 - Data Collection via Flat Files and InfoCube to InfoCube Loads.
 - Journal Entries and Balance Carry Forward. Account Transformations, Allocations, and Validations.
 - Reporting in the Planning and Consolidation Application on consolidation data.
 - Currency Translation.
 - Consolidation of Investment Concepts.
 - Consolidation of Investments in the Application.
 - Inter Company Matching.
 - Inter Unit Eliminations.
 - COI Equity, Proportionate methods

Prerequisites:

Essential

- Knowledge of Microsoft® Excel, Word and Powerpoint
- BW310 BI - Enterprise Data Warehousing
- Business Knowledge in Planning
-

Recommended

- None
- Practical knowledge of consolidation accounting

SAP SRM - Supplier Relationship Management with SAP SRM 7.0

Course Goals

- Learn the business processes and components of the SAP SRM solution.
- Create technical and application-specific basic knowledge to be able to participate successfully in an SAP SRM Server 7.0 implementation.
- Customizing procurement processes with SAP SRM server
- This course will prepare you use the features and functions of SRM-MDM Catalog 3.0 based on the SAP Master Data Management 7.1 technology.

Target Audience

- Consultants and project team members who are implementing the SAP Supplier Relationship Management (SAP SRM) solution
- All interest parties who want to have an overview of the SAP SRM solution.
- Consultants and project team members who are implementing SAP SRM Server
- SRM-MDM Catalog Project Team
- SRM-MDM Catalog Solution Consultants

Course Content

- SAP Procurement Portfolio Overview
- SRM Architecture Overview
- Self-Service Procurement
- Service Procurement
- Direct/Plan-Driven Procurement
- Catalog Content Management
- Central Sourcing Hub
- RFx/Auctioning
- Supplier Collaboration
- Contract Management
- § SRM Server overview § Backend integration and configuration § Organization and User Management
- Workflow
- Master data
- Catalog Management
- Self-Service Procurement
- Sourcing
- Service Procurement
- Plan-Driven Procurement
- Bidding Engine
- RM-MDM Solution Overview and Architecture
- MDM Console
- MDM Import Manager
- MDM Data Manager
- MDM Workflow –
- SRM-MDM Integration
- Web User Interface

Prerequisites:

Essential

- SAP01 SAP Overview
- Basic knowledge of SAP Materials Management

Recommended

- Basic knowledge of Materials Management in SAP or SCM500 (Procurement)
- SAPEP (SAP NetWeaver Portal Overview)
- Basic knowledge of SAP Solution Manager

SCM APO- Planning in SAP SCM (SCM5.0)

Course Goals

- The course gives an overview of the concepts and procedures of supply chain planning in SAP SCM (APO). It explains how to forecast future sales and the release of the forecast. The course gives you an overview of the different possibilities to create feasible plans for cross plant planning and to achieve a finite detailed plan for certain plants. The Deployment functionality determines feasible stock transfers while Global Available-to-Promise confirms the sales order quantities.
- In this course, participants gain a fundamental understanding of the integration of SAP ECC with SAP SCM-APO.
- Participants become acquainted with the data transfer of master data from SAP ECC to SAP SCM-APO and bi-directional data exchange of transaction data between both systems.
- Participants will be made familiar with the meaning, the structure and the handling of integration models which form the basis of the Core Interface APO.
- You will gain an in-depth understanding of how demand plans with SAP APO are created based on historical data. You will learn how to create demand plans using various forecasting techniques and how to apply marketing and sales intelligence to the demand plan. You can use the Demand Planning results as a basis for Supply Network Planning and Production Planning and Detailed Scheduling.
- You will gain an in-depth understanding of how to create cross-plant rough-cut production plans, distribution resource plans, and procurement plans taking into account work center capacities, supplier capacities, and transportation capacities in SAP APO. You will be able to determine feasible stock transfers in the short-term horizon (deployment) and to group these into stock transfer orders.
- § This course enables you to gain an understanding of how to use APO PP/DS to create production plans for the short-term horizon. The connection with R/3 MRP and APO SNP is also described in the course.

Target Audience

- This course is intended for project team members and key users (persons from special departments) who are responsible for implementing supply chain planning with SAP SCM (APO).
- This course is aimed at project team members and key users (persons from special departments) who are responsible for the data integration between Systems SAP ECC and SAP SCM-APO.
- This course is intended for project team members and key users (persons from special departments) who are responsible for creating demand plans based on aggregated historical data.
- This course is intended for project team members and other key users (persons from special departments) responsible for creating and optimizing rough-cut production, procurement and distribution plans for the entire supply chain in the medium to long-term horizon and determining manageable stock transport orders in the short term horizon.
- This course is intended for project team members and key users (persons from special departments) who are responsible for implementing production planning with SAP SCM using APO PP/DS.

Course Content

- Overview of the master data and transaction data for supply chain planning
- SAP ERP and SAP SCM integration (through the APO CIF interface)
- Demand Planning (APO DP)
- Supply Network Planning (APO SNP)
- Production Planning and Detailed Scheduling (APO PP/DS)
- Integration with supply chain manufacturing

- Deployment (APO SNP)
- Global Available-to-Promise (APO ATP)
- Architecture of the integration of the system SAP ECC with the system SAP SCM (APO): logical systems, target systems, queued RFC, RFC- destinations, business system group
- Generation of integration models for the core interface APO (selection of the master and transaction data which should be transferred)
- Activation of integration models (transmission of the selected data)
- Initial and change transmission of master data from the SAP ECC (plant, distribution center, customer, supplier, material, BOM, workplace, capacity, routing)
- Real-time transmission of transaction data (stocks, orders) from SAP ECC as well as retransfer of planning results from SAP SCM-APO to SAP ECC
- Monitoring and treatment of errors during the transmission (CIF cockpit, CIF synchronization, qRFC monitor, application log, and so on)
- Overview of demand planning concepts and data structures
- Integrating SAP R/3 information structures with SAP APO InfoCubes (transferring aggregated historical data to SAP APO)
- Defining the planning levels for creating aggregated plans
- Generating master data (characteristics combinations and proportional factors)
- Configuring Demand Planning using planning areas, Planning Object Structures, planning books and macros
- Generating your own alerts using macros
- Collaborative Demand Planning (customer and manufacturer exchange data over the Internet)
- Demand planning using statistical forecasting, causal analyses, and composite forecasting
- Mass processing of planning activities in the background
- Releasing the Demand Planning results as planned independent requirements to Supply Network Planning and Production Planning and Detailed Scheduling.
- Overview of Supply Chain Planning in SAP SCM (APO), Integration with Demand Planning (DP) and Production Planning (PP/DS)
- Overview of exchanging master and transaction data with SAP ECC
- Master data for supply network planning, interchangeability and shelf live
- Configuring Supply Network Planning and interactive planning using planning books and macros
- Collaborative Supply Planning (supplier and manufacturer exchange data over the Internet)
- Integrated exception management in the alert monitor
- Discussions about the different planning methods: Heuristic including capacity leveling, optimization, capable-to-match, VMI, and aggregate planning.
- Cross-plant safety stock planning
- Deployment: Implementing stock transport requisitions into manageable stock transport orders. Calculating and optimizing short-term replenishment plans for distribution centers and customers
- Transport Load Builder (TLB): Grouping stock transfers by threshold values for volumes, weight and pallets.
- Overview of prerequisites and master data for PP/DS
- Demand management: planned independent requirements and sales orders in APO PP/DS
- Make-to-stock and make-to-order strategies
- Production Planning interactively and within planning run using heuristics
- Influencing the steps of production planning
- Evaluation and interactive planning
- Integration with detailed scheduling
- Introduction to graphical planning board and optimizer
- Overview of customizing settings

BOE310 Administration and Security

Course Goals

- This two-day instructor-led course explains how to perform the tasks in the Central Management Console (CMC).
- These tasks involve supporting BusinessObjects TM Enterprise users and groups so they can access corporate data through the web portal in BusinessObjects Enterprise.
- This corporate data can take the form of Crystal Reports, BusinessObjects Web Intelligence, or Desktop Intelligence documents, Voyager workspaces, program objects, object packages, and popular third-party objects, such as Microsoft Word and Excel files, among others. Please note: this course does not discuss maintaining BusinessObjects Enterprise servers, which is taught in the BusinessObjects Enterprise XI 3.0/3.1: Administering Servers – Windows course.
- The business benefit of this course is that it provides a foundation for system architects/administrators to effectively manage both users and content on the BusinessObjects Enterprise platform. BusinessObjects Edge Series XI 3.0/3.1
 - Note: This course also applies to you if you are a system administrator for BusinessObjects Edge Series. Any product differences between BusinessObjects Edge and BusinessObjects Enterprise are outlined within the course so you understand which areas do not apply to your deployment. A document with more information about these differences and how this course applies to you is included on the resource CD.

Target Audience

- The target audience for this course is system Architects/administrators who are new to BusinessObjects Enterprise and will be responsible for maintaining BusinessObjects Enterprise users, groups, and objects in their organization.
- This course applies to customers with the following products:
 - BusinessObjects Enterprise XI 3.0
 - BusinessObjects Enterprise XI 3.1
 - BusinessObjects Edge Series 3.0
 - BusinessObjects Edge Series 3.1
- This course is delivered using BusinessObjects Enterprise XI 3.0. The content and activities are applicable to all audiences, with the exception of some specific features that are identified as you go through the course to eliminate confusion.

Course Content

- What is BusinessObjects Enterprise?
 - Describe BusinessObjects Enterprise
 - Use InfoView and the Central Management Console to view content
 - Configure the Central Management Console
 - Describe the BusinessObjects Enterprise Architecture
- Managing BusinessObjects Enterprise Content
 - Add objects to the Repository
 - Manipulate objects in BusinessObjects Enterprise
- Securing BusinessObjects Enterprise Content
 - Create users, groups, folders and categories
 - Understand the BusinessObjects Enterprise security model
 - Describe guidelines for planning security
- Application Security
 - Secure BusinessObjects Enterprise applications

- Scheduling Content
 - Schedule objects
 - Schedule with business calendars
 - Manage instances
- Publishing and Publications
 - Publish personalized reports and documents to multiple recipients
 - Describe the process of publishing personalized reports to dynamic recipients
 - Manage profiles

BOE320 Administering Servers

Course Goals

- This three-day instructor-led course explains and demonstrates what each server component in BusinessObjects Enterprise does and how it is configured. You will install and configure each component and learn how information flows from server to server for system processes such as logging on to the system, scheduling reports, and viewing reports.
- You will learn to use the Central Management Console (CMC) and the Central Configuration Manager (CCM) to manage and configure the servers and will also practice troubleshooting system problems when they arise.
- The business benefit of this course is that it provides a foundation for system architects/administrators who are responsible for administering servers on the BusinessObjects Enterprise platform.
- BusinessObjects Edge Series XI 3.0/3.1
 - Note: This course also applies to you if you are a system administrator for BusinessObjects Edge Series. Any product differences between BusinessObjects Edge and BusinessObjects Enterprise are outlined within the course so you understand which areas do not apply to your deployment. A document with more information about these differences and how this course applies to you is included on the resource CD.

Target Audience

- The target audience for this course is system architects/administrators who are responsible for setting up and maintaining a BusinessObjects Enterprise platform.
- This course applies to customers with the following products:
 - BusinessObjects Enterprise XI 3.0
 - BusinessObjects Enterprise XI 3.1
 - BusinessObjects Edge Series 3.0
 - BusinessObjects Edge Series 3.1
- This course is delivered using BusinessObjects Enterprise XI 3.0. The content and activities are applicable to all audiences, with the exception of some specific features that are identified as you go through the course to eliminate confusion.

Course Content

- Preparing, Installing, and Configuring BusinessObjects Enterprise
 - Explain how to prepare, install, and configure BusinessObjects Enterprise
 - Test BusinessObjects Enterprise once it is installed
 - Verify what updates were applied to the BusinessObjects Enterprise installation
- BusinessObjects Enterprise Architecture
 - Describe the BusinessObjects Enterprise architecture
 - Describe the BusinessObjects Enterprise components
 - Explain the information process flows in BusinessObjects Enterprise
- Performing Common Server Management Tasks

- Describe the Central Configuration Manager (CCM) to manage servers
- Describe the Server Intelligence Agent (SIA)
- Describe the Central Management Console (CMC) to manage servers
- Managing the Web Application Services
 - Understand the web application services
 - Configure the Java Web Application Server
 - Describe the role of Web Application Container Server
 - Deploy BusinessObjects Enterprise web applications using wdeploy
- Managing the Central Management Server and the System Database
 - Use the Central Management Server
 - Migrate and backup the CMS system data
 - Manage auditing
 - Describe authentication and single sign-on
 - Map third-party accounts to BusinessObjects Enterprise
- Managing the File Repository Servers
 - Use the File Repository Servers
 - Configure the File Repository Servers
 - Use the Repository Diagnostic Tool
- Managing the Web Intelligence Servers
 - Describe the role of Web Intelligence servers
 - Configure the Web Intelligence servers
 - Describe how documents viewing requests are processed by the Web Intelligence servers
 - Describe how scheduling requests are processed by the Web Intelligence servers
- Managing the Crystal Reports Server
 - Use the Crystal Reports Server
 - Configure the Crystal Reports Job Server
 - Configure the List of Values (LOV) Job Server and LOV objects
 - Configure the Crystal Reports Cache Server
 - Configure the Crystal Reports Processing Server
 - Configure the Report Application Server
 - Set and run a schedule for a report
- Managing the Desktop Intelligence Servers
 - Configure the Desktop Intelligence Job Server
 - Configure the Desktop Intelligence Processing Server
 - Configure the Desktop Intelligence Cache Server
 - Configure the Connection Server
- Managing the Adaptive Servers
 - Describe the role of the Adaptive Job Server
 - Describe the role of the Adaptive Processing Server
 - Configure different types of Adaptive Servers
- Managing the Event Servers
 - Understand events in the BusinessObjects Enterprise
 - Configure the Event Server
- Managing the Program Job Servers
 - Use the Program Job Server
 - Configure the Program Job Server
 - Describe how scheduled programs are processed
- Managing the Destination Job Servers

- Use the Destination Job Server
- Configure the Destination Job Server
- Set a schedule to send an object or instance to a destination
- Troubleshooting BusinessObjects Enterprise
 - Use best practices when troubleshooting
 - Use a strategic troubleshooting method

BOE330 Designing and Deploying a Solution

Course Goals

- This four-day instructor-led course teaches system administrators the skills and knowledge required to design and deploy a BusinessObjects Enterprise system.
- In this course, students will learn how to analyze and identify customer requirements in order to design a BusinessObjects Enterprise solution using the concepts of High Availability, Scalability, Sizing, DisasterRecovery and Lifecycle Management.
- Using a case study, students will design , build and troubleshoot a system and then produce a content management plan using advanced security and replication techniques.
- The business benefit of this course is that it provides system architects/administrators with an understanding of the concepts necessary to effectively design and deploy a Business Intelligence solution using the BusinessObjects Enterprise platform.

Target Audience

- * The target audience for this course is system architects/administrators who are experienced with BusinessObjects Enterprise and will be responsible for designing and deploying solutions for their organization.

Course Content

- Reviewing BusinessObjects EnterpriseArchitecture, Administration, and Security
 - Reviewing BusinessObjects Enterprise architecture
 - Reviewing BusinessObjects Enterprise security
- Identifying Requirements
 - Identifying requirements
- Ensuring the Availability of your Business Intelligence Solution
 - What is a Business Intelligence Solution?
 - High availability in the Application Tier
 - High availability in the Intelligence Tier
 - High availability in the Processing Tier
 - Creating a disaster and back up recovery plan
- Performance, Scalability, and Sizing
 - Designing a scalable system
 - Sizing a BusinessObjects Enterprise deployment
 - Designing an architecture plan
- Deploying a System
 - Installing and configuring BusinessObjects Enterprise
 - Trouble shooting BusinessObjects Enterprise
- Content Management
 - Designing a secured content management plan
 - Designing an instance management plan
 - Designing a system auditing plan

- Managing Content in Multiple Deployments
- Understanding the Import Wizard
- Managing BusinessObjects LifeCycleManager
- Managing the Federation Services

BOC310 Report Design I - Fundamentals of Report Design

Course Goals

- Crystal Reports 2008® is a powerful, dynamic, actionable reporting solution that helps you design, explore, visualize, and deliver reports via the web or embedded in enterprise applications.
- This two-day instructor-led course is designed to give you comprehensive skills and in-depth knowledge to plan and create reports that will help you analyze and interpret information.
- As a business benefit, you will find that this course is an in-depth approach to the entire report creation cycle from planning a report prototype to distributing a report.

Target Audience

- The target audience for this course is report designers, new to Crystal Reports, who are responsible for creating and distributing reports.

Course Content

- Planning a Report
 - Define database concepts
 - Plan and develop a report prototype
- Creating a Report
 - Create a report
 - Add tables
 - Describe the design environment
 - Insert objects on a report
 - Preview a report
 - Save a report
 - Position and size objects
 - Format objects
- Selecting Records
 - Define the Select Expert
 - Determine the criteria for record selection
 - Understanding saved and refreshed data
 - Apply record selection
 - Apply additional record selection criteria
 - Modify record selection
 - Apply time-based record selection
- Organizing Data on a Report
 - Sort records
 - Group records
 - Summarize data
- Formatting a Report

- Add graphical elements
- Combine text objects with database fields
- Apply specialized formatting
- Insert fields with pre-built functions
- Applying Section Formatting
 - Format sections
 - Create a summary report
- Creating Basic Formulas
 - Define a formula and its purpose
 - Create formulas
 - Apply Boolean formulas
 - Apply If-Then-Else formulas
 - Apply date calculations
 - Apply number calculations
 - Apply string manipulation
- Applying Conditional Reporting
 - Determine trends in data
 - Format data conditionally
- Representing Data Visually
 - Create a chart
- Distributing a Report
 - Export a report
 - Save a report to BusinessObjects™ Enterprise

BOC320 Report Design II - Business Reporting Solutions

Course Goals

- Crystal Reports 2008® is a powerful, dynamic, actionable reporting solution that helps you design, explore, visualize, and deliver reports via the web or embedded in enterprise applications.
- This two-day instructor-led course is designed to give you comprehensive skills and in-depth knowledge to plan and create reports that will help you analyze and interpret information.
- As a business benefit, you will be able to increase your understanding of formulas, variables, arrays, templates, parameters, summaries, and sections.
- This course will also help you make more effective report design decisions and create more efficient reports.

Target Audience

- The target audience for this course is report designers who are responsible for creating and distributing reports and have completed Crystal Reports 2008: Report Design I - Fundamentals of Report Design.

Course Content

- Using the Repository
 - Use the repository
 - Create a report from a repository data source
- Creating Formulas
 - Use functions and operators
 - Define control structures available in Crystal Reports Syntax

- Managing Reports
 - Use the Workbench
 - Publish reports to BusinessObjects Enterprise
- Using Variables and Arrays
 - Use variables
 - Use arrays
- Using Report Templates
 - Apply report templates
 - Build a template without a data source
 - Remove a template
- Building Parameterized Reports
 - Define and create parameters
 - Build a report with multiple parameters
 - Use edit masks and descriptions
 - Create a date range parameter
 - Group using parameters
- Summarizing Data with Crosstabs
 - Build a basic crosstab
 - Format a crosstab
- Using Report Sections
 - Use sections
 - Use group related functions to format sections
 - Use section underlay
 - Use multiple-column reporting
- Building Specialized Reports
 - Use the Running Total Expert
 - Create a form letter
 - Add a hyperlink to a report
 - Use Dynamic Graphic Locations
 - Build a report with alerts
 - Build a top N report
 - Integrate an Xcelsius Flash SWF into a Crystal report

BOC330 Report Design III - Report Processing Strategies

Course Goals

- Crystal Reports 2008® is a powerful, dynamic, actionable reporting solution that helps you design, explore, visualize, and deliver reports via the web or embedded in enterprise applications.
- This one-day instructor-led course is designed to give you comprehensive skills and in-depth knowledge required to plan and create reports that will help you analyze and interpret important information.
- As a business benefit, you will find that your increased understanding of report processing, formulas, custom functions and subreports will help you make more effective report design decisions and create more efficient reports.

Target Audience

- The target audience for this course is report designers, who have taken Crystal Reports 2008: Report Design I - Fundamentals of Report Design and Crystal Reports 2008: Report Design II - Business Reporting Solutions and who are responsible for creating

and distributing reports.

Course Content

- Report Processing
 - Use multi-pass reporting
 - Use evaluation time functions
 - Use a dynamic array
- Using Subreports
 - Define subreports
 - Create an unlinked subreport
 - Create a linked subreport
 - Create an on-demand subreport
 - Use shared variables with subreports
 - Link “unlinkable” data with subreports
 - Describe alternate solutions to using subreports
- Creating Complex Formulas
 - Use Print State functions
 - Use loop control structures
 - Use loop control structures with arrays
- Using Custom Functions
 - Describe a custom function
 - Use custom functions
- Using XML and Web Services Data
 - Use XML and web services data
 - Use a transform in XML exporting

BOC345 Report Design IV

Course Goals

- This eight hour eLearning course will instruct on how to set up, configure, and maintain data connections for reports.
- You will learn how to link data, optimize reports, and push processing to the database server.
- As an established report designer within your company, you will gain a more advanced understanding of data connectivity within the Crystal Reports 2008 environment.

Target Audience

- The target audience for this course is report designers with strong report-design skills. This course will teach you to optimize reports for faster and more efficient data processing.

Course Content

- Exploring the Database Expert
- Identifying the Effects of Link Types
- Setting Up and Configuring Data Sources
- Updating Reports for Database Changes
- Processing Data on the Server
- Validating the Report Data
- Detecting and Fixing Problems

BOI210 SAP BusinessObjects Data Integrator Accelerated: Extracting, Transforming and Loading Data

Course Goals

- BusinessObjects™ Data Integrator XI R2 Accelerated enables the implementation of ETL (Extract, Transform, and Load) projects from disparate data sources to deliver more timely and accurate data that end users in an organization can trust.
- In this four-day course, you will learn about batch data transformation jobs, techniques for capturing changes in data, handling errors, multi-user environment tasks, administering server and migration basics.
- The course also shows you how to use tools to audit, profile data, and manage metadata to assist in the implementation of an ETL project.
- Activities in this course focus on the tools and features discussed in each lesson and enable you to create dimensions and a fact table.
- You will have a chance to apply different concepts learned from a few combined lessons in two one-hour comprehensive workshops.
- At the end of the course, you will be able to put into practice data flow design concepts in a final two-three hour workshop.
- As a business benefit, by being able to create efficient ETL projects, you can use the transformed data to help improve operational and supply chain efficiencies, enhance customer relationships, create new revenue opportunities, and optimize return on investment from enterprise applications.

Target Audience

- This course is designed for individuals responsible for implementing ETL projects (batch-mode), administering and managing projects that involve Data Integrator.

Course Content

- Data Warehousing Concepts
 - Describe dimensional modeling
- Understanding Data Integrator
 - Describe components, management tools, and the development process
 - Explain object relationship
- Defining Source and Target Metadata
 - Create a database datastore and import metadata
 - Create a new file format and handle errors in file formats
- Validating, Tracing and Debugging Jobs
 - Create a Project, Job, Work Flow and Data Flow with the Query transform
 - Understand the Target Table Editor
- Creating a Batch Job
 - Understand push-down operations
 - Describe descriptions and annotations
 - Validate and trace Jobs
 - Use the View Data and the Interactive Debugger
- Using Built-in Transforms and Nested Data
 - Use the Case, Merge, Validation, Data_Transfer, and Date_Generation transforms
 - Import metadata from XML and DTD documents
 - Understand operations on nested data
- Using Built-in Functions

- Define built-in functions
- Use the Gen_Row_Num_By_Group, Is_Group_Changed functions
- Create surrogates
- Use the lookup functions to look up status in a table
- Use match pattern functions to compare input strings to patterns
- Using Data Integrator Scripting Language and Variables
 - Explain differences between global and local variables
 - Create global variables and custom functions
 - Use strings and variables in Data Integrator scripting language
- Capturing Changes in Data
 - Use changed data capture (CDC) with time-stamped sources
 - Create an initial and delta load job
 - Use history preserving transforms
- Handling Errors and Auditing
 - Recover a failed job
 - Create a manual, recoverable work flow
 - Define audit points, rules and actions on failures
- Supporting a Multi-user Environment
 - Describe terminology and repository types in a multi-user environme
 - Create and activate the central repository
 - Work with objects in the central repository
- Migrating Projects
 - Create multiple configurations in a datastore
 - Work with Projects in the central repository
 - Create a secure central repository
 - Implement and modify group permissions
- Using the Administrator
 - Add a repository and user roles
 - Set the job status interval and log retention period
 - Execute, schedule, and monitor batch jobs
 - Understand architecture, load balance index, and job execution in server groups
- Profiling Data
 - Set up the Data Profiler and users
 - Submit a profiling task
 - Monitor profiling tasks in the Administrator
- Managing Metadata
 - Import and export metadata
 - Use Metadata Reports

BOW310 Web Intelligence XI 3.0/3.1: Report Design

Course Goals

- This two-day instructor-led course is designed to give you the comprehensive skills and in-depth knowledge needed to access, analyze and share data using BusinessObjects™ InfoView™ and BusinessObjects™ Web Intelligence™.
- During this course, you'll learn how to create Web Intelligence documents for your reporting needs, to retrieve data by building

queries using BusinessObjects universes and to use Web Intelligence to enhance documents for easier analysis.

- You'll also learn how to organize, manage and distribute documents using InfoView.
- After taking this course, you will be able to efficiently and effectively manage personal and corporate documents to access the information you need, when you need it.
- You will be able to design your own reports using Web Intelligence and share your analysis with other users.

Target Audience

- The target audience for this course is report designers who need to access and analyze information using InfoView and Web Intelligence.

Course Content

- Introducing Web Intelligence
 - Describing Web Intelligence concepts
 - Explaining Web Intelligence core functionality
 - Describing Web Intelligence and BusinessObjects Enterprise
- Creating Web Intelligence Documents with Queries
 - Querying with Web Intelligence
 - Creating a new document
 - Modifying a document's query
 - Working with query properties
- Restricting Data Returned by a Query
 - Restricting data with query filters
 - Modifying a query with a predefined query filter
 - Applying a single-value query filter
 - Using wildcards in query filters
 - Using prompts to restrict data
 - Using complex filters
- Designing Web Intelligence Reports
 - Working with Web Intelligence documents
 - Displaying data in tables and charts
 - Creating tables
 - Working with tables
 - Presenting data in free-standing cells
 - Presenting data in charts
- Enhancing the Presentation of Data in Reports
 - Using breaks, calculations
 - Using sorts
 - Formatting breaks and cross tabs
 - Using report filters
 - Ranking data to see top or bottom values
 - Tracking data changes
 - Using alerters to highlight information
 - Organizing a report into sections
 - Copying data to other applications
- Formatting Reports
 - Formatting documents
 - Formatting charts
- Calculating Data with Formulas and Variables

- Explaining formulas and variables
- Using formulas and variables
- Using Multiple Data Sources
 - Synchronizing data from multiple data sources
 - Creating multiple queries in a document
 - Synchronizing data with merged dimensions
 - Using a personal data provider
- Analyzing Data
 - Analyzing the data cube
 - Drilling in Web Intelligence documents
 - Setting Web Intelligence drill options
- Managing and Sharing Web Intelligence Documents
 - Exporting documents to the CMS
 - Logging into InfoView
 - Managing documents in InfoView
 - Viewing a Web Intelligence document in InfoView
 - Sharing Web Intelligence documents
 - Setting InfoView preferences
 - Describing Web Intelligence report panels
 - Logging off from InfoView

BOW320 SAP BusinessObjects Web Intelligence XI 3.0/3.1: Advanced Report Design

Course Goals

- BusinessObjects™ Web Intelligence™ is a query, reporting and analysis tool that allows you to access the data in your corporate databases directly from within BusinessObjects Enterprise™ InfoView™ and to present and analyze this information in a Web Intelligence document.
- This one-day instructor-led classroom course is designed to give you the comprehensive skills needed to apply alternative query and reporting techniques when creating complex Web Intelligence documents. After completing this course, you will be able to create combined queries and use sub-queries.
- You will also be able to use character and date string functions, create variables using "If" logic, redefine calculation contexts, and create hyperlinks in your documents using Web Intelligence dialog boxes.

Target Audience

- The target audience for this course is report designers who are experienced Web Intelligence users and who need to create complex Web Intelligence documents

Course Content

- Reviewing Web Intelligence Core Report Design
 - Reviewing Web Intelligence core report design
- Working with Advanced Query Techniques
 - Using combined queries
 - Using subqueries
 - Creating a query based on another query
 - Changing data sources
- Working with Calculation Contexts

- Understanding calculation contexts
 - Redefining calculation contexts
- Creating Formulas with Character and Date String Functions
 - Using character string functions
 - Concatenating different data types
 - Using date functions
- Using If Logic
 - Using If() to group data
 - Using the If() function to modifying calculation behavior
 - Using IF/ELSEIF
- Working with Additional Reporting Techniques
 - Using data tracking
 - Using additional report functions
- Creating Hyperlinks
 - Working with hyperlinks in Web Intelligence documents
 - Creating hyperlinks in the Interactive panel
 - Creating hyperlinks in the Web Intelligence Rich Client and Java Report Panel