

SAP-ABAP Content

SAP - ABAP

Basics of ABAP

ERP's

1. Introduction to ERP & ERP Products
2. Merits of ERP Products
3. SAP as One of the ERP Product

SAP R/3 in Detail

1. History of SAP R/3
2. R/3 Architecture in Detail
3. SAP R/3 Versions
4. Merits of SAP R/3
5. New Dimensional Products
6. SAP Logon

ABAP & ABAPer Role

1. Introduction
2. Roles of ABAPer
3. ABAP Syntax
4. ABAP Data Types
5. Variables, Key words, Operators

Basic ABAP Programming

1. Variables
2. Parameters
3. System Variables

Controlling Techniques

1. Branching
2. Looping

Strings in Details

ABAP (Data Dictionary)

1. Introduction and Purpose
2. Tables
3. Data Elements and Domains
4. Handling Currency and Quantity Fields
5. Foreign Key Relationship
6. Views
7. Search Helps
8. Types of Tables

Internal Tables

1. Introduction and Purpose
2. Types of Internal Tables
3. Operations on Internal Tables
4. Miscellaneous

Open SQL in Detail

1. Introduction and Purpose
2. Reading and Changing Database

Modularization Techniques

1. Introduction and Advantages

2. Function Modules
3. Subroutines
4. Macros and Include Programs

Reports

1. Introduction and Purpose
2. Types of Reports
3. Classical Events in Details
4. Interactive Events in Details
5. Conversion Exits
6. Joins
7. For all entries

Batch data Communication (BDC)

1. Overview of BDC
2. Types of BDC Programming
3. Call Transaction in Detail
4. Session Method in Detail
5. Recording in Details

LSMW in Detail SAP Scripts

1. Introduction and purpose
2. SAP SCRIPT Components (Objects)
3. Custom Forms
4. Single and many Forms

Transaction / Dialog (Module Pool) Programming

1. Introduction and Purpose
2. Screen Painter, Menu Painter
3. Flow Logic and Flow Logic Key words
4. Sub Screens and Sub screen Areas
5. Tab strip Controls
6. Table Control

Advanced ABAP -1

Smart forms

1. Introduction
2. Features of Smart forms
3. Main, Secondary, Copy and Final Windows
4. Text elements
5. Table Painter
6. Calculations in table Painter
7. Program Lines

Object Oriented ABAP

What is Object Orientation

1. Introduction
2. Advantages of OOPs
3. Data Abstraction
4. Encapsulation
5. Inheritance
6. Polymorphism



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Form Function Groups to CLASSES

1. Types of Classes and Methods
2. Define and Implement
 1. Global Classes and Methods
 2. Local Classes and Methods
 3. Constructor
 4. Visibility Sections

BDC Using OO

1. Develop a Common Global Class for BDC
2. BDC Program Using BDC Class
3. The Same class and Program through Local classes

Inheritance

1. Global Class for Session method from Common BDC Class
2. BDC Program
3. Inheritance Using Local Classes

Polymorphism

1. Interfaces
2. Defining and Implementing
3. Global Interfaces
4. Local Interfaces

Events

1. Triggering
2. Handling

SAP List Viewer ALV

1. ALV using Function Modules
2. Classical ALV
3. Interactive ALV
4. Blocked ALV
5. Hierarchical ALV
6. Field Catalog

ALV using Objects Oriented

1. Simple ALV
2. Interactive ALV
3. Adding Custom Functionalities (Buttons)
4. Changing Standard Functionality
5. Coloring Rows and Columns
6. Exceptions ALV

Customer /User

1. Locating Exits
2. Implementing Exit
 1. Function Module Exists
 2. Screen Exit
3. Menu Exits

BADIs in Detail

1. Features of BDI's

2. Differences between Exits and BDI's
3. Implementation BADI's
 1. Function BADI's
 2. Screen BADI's
 3. Menu BADI's
4. Defining and implementing Custom BADI's

Advanced ABAP-II

Cross Application concepts

BAPs in Detail

1. Introduction to BOR and BAPI's
2. Standard BAPI's
3. Custom BAPI's
4. BAPI Enhancements

Application Link & Enabling (ALE) and IDOCs

1. Introduction to ALE Technology
2. IDOCs in Detail
3. IDOC Design Guidelines
4. IDOC Runtime Components
5. Outbound /IDOC Generation Process
6. Inbound /IDoc posting Process

ALE Communication Settings

1. Logical Systems
2. RFC Definations
3. Port Definition

Distributing Master Data through Standard Idoc

1. Send Whole Copy
2. Change Pointers
3. Get/Fetch/pull whole Copy Every time

Filtering

1. IDOC Filtering
2. Segment Filtering
3. Reduced message Type

Distributing the Transactional data

1. Message Control Technique

ALE Troubleshooting & Recovery

1. Outbound & Inbound Process

Custom IDOCs Development and Programming

1. Creating a New IDOC
2. Configure Outbound Process
3. Configure inbound process
4. Writing Outbound Program
5. Writing Inbound program
6. Distributing Data through custom IDOC



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Extended IDOCs Development and Programming

1. Creating Extended IDOC
2. Configure the Outbound Process
3. Configure the Inbound Process
4. Outbound Programs for Extended Idocs
5. Inbound Programs For Extend Idocs
6. Distributing data through Extended Idocs

Electronic Data Interchange (EDI)

1. Overview of EDI

BDC Table Control

Standard Scripts and Smart Forms

Handling Files



"YOUR **FUTURE** IS CREATED BY WHAT
YOU DO **{ TODAY }**
NOT **{ TOMORROW }**"

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