

# SAP SCM APO

## DEMAND PLANNING (DP)

### Introduction to ERP

- ERP Concept
- SAP ECC or R3
- SAP Business Suite Architecture

### APO Architecture

- Supply Chain Management Concept
- APO Architecture
- APO Modules
- APO Integration with SAP R/3 and BW/BI

### Demand Planning Overview

- Demand Management
- Business Scenario
- DP Integration with other APO modules

### Administrative Workbench (SAP-BI)

- Creation of Info Objects
- Info Providers like Info Cube, DSO, and MultiProviders
- Source System and Data Source
- Extracting Sales data from ECC (R3), BW and Excel
- Basics of Reporting
- Loading History data from InfoCube to Planning Area

### Demand Planning Configuration

- Planning Object structures
- Storage Bucket profile
- Time Bucket profile
- Planning Area

### Characteristic Value Combinations

### Planning Books and Macros

- Planning Books and Data Views
- Interactive Planning Functionalities
- Selection Profile
- Advanced Macros
- Alerts – Forecasting Alerts and Macro Alerts

## **Aggregation and Disaggregation Calculation types**

Proportional Factors  
Time Based Proportional Factors

## **Forecasting Strategies**

Univariate Forecast  
Multi Linear Regression Forecast  
Composite

## **Lifecycle Planning**

Lifecycle Management  
LIKE Modeling  
Data Realignment  
Copy

## **Promotion Planning**

## **Mass Processing**

Macro Calculation in the Background  
Forecast in the Background  
Release of DP data to SNP  
Transfer of DP data to the R/3

## **Demand Planning Backup**

## **Process Chains**



# CORE INTERFACE (CIF)

**Introduction to Architecture of Integration**

**RFC Connection**

**ECC Master Data**

**Transfer of Master Data**

**Initial & Change Transfers, Background**

**Model and Version Management**

**Transfer of Transaction Data**

**Monitoring & Handling CIF Errors**

**Comparison & Reconciliation  
Change Pointers**



# SUPPLY NETWORK PLANNING (SNP)

## Overview of SNP

- Supply Chain Planning Process
- Role of SNP in APO Planning
- Integration with execution system

## Supply Network Design

### Master data for SNP

- Locations
- Products
- Resources
- Calendars
- Production process Models
- Transportation Lanes
- Lot size, SNP supply and Demand Profiles
- Integration of APO master data and R/3

### SNP Configuration

- Planning Object structures
- Planning Areas
- Planning Books and Data Views
- Macros
- Integration with DP

### The SNP Heuristic

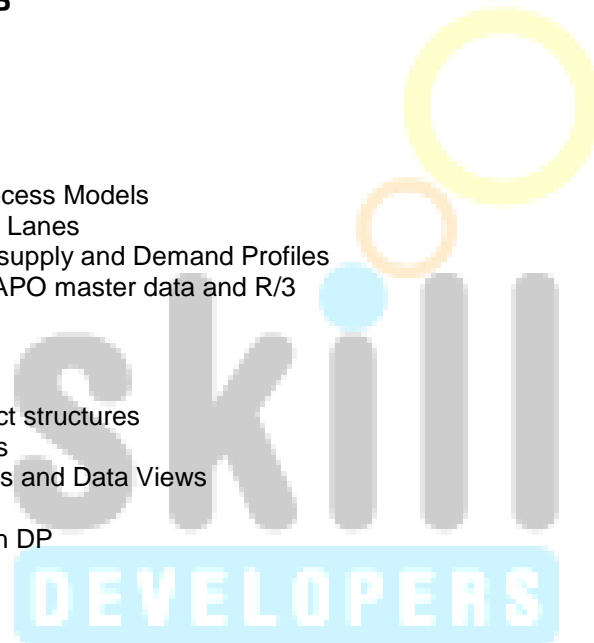
- Supply Planning and Sourcing
- SNP Heuristic Run
- Capacity Check
- Capacity leveling

### Capable to Match

- CTM Process Overview
- Master data for CTM and Configuration

### Optimization in SNP

- Optimization constraints
- Costs for controlling the Optimizer
- Configuration of SNP Optimizer



## SKILLDEVELOPERS

### **Safety Stock Planning**

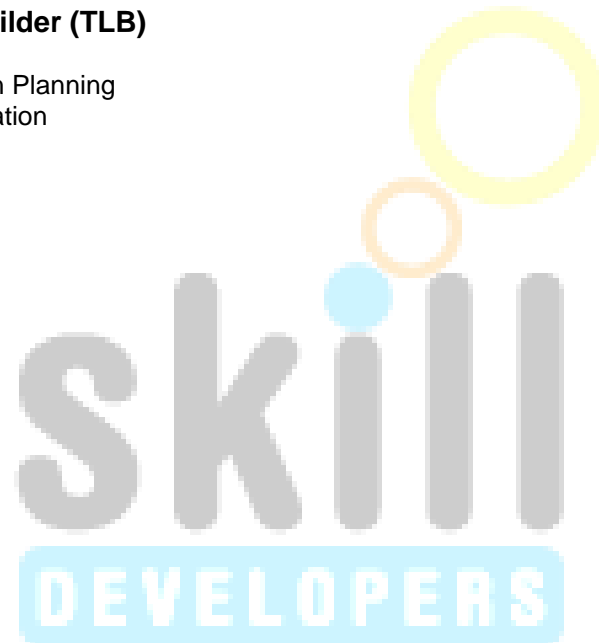
Safety stock planning in the network  
Standard methods  
Advanced methods

### **Deployment**

Distribution Planning Concept  
Configuration of Deployment  
Fair share and Push rules  
Heuristic and Optimizer

### **Transport Load Builder (TLB)**

Transportation Planning  
TLB Configuration  
TLB Run



# **PRODUCTION PLANNING / DETAILED SCHEDULING (PP/DS)**

## **Overview of Production**

Introduction to PP/DS  
Role of PP/DS

## **Master Data**

## **Production Planning**

Configuration  
Planning Process  
Heuristics  
Net Requirement and Lot Size Calculation  
Source Determination  
PPM/PDS Explosion  
Pegging  
Setup Times  
Integration with Shop Floor Control

## **Interactive Production Planning**

Product View  
Product Planning Table  
Product Overview

## **Detailed Scheduling**

Detailed Scheduling Board  
Resource Planning Table

## **PP/DS Optimizer**

# GLOBAL AVAILABILITY TO PROMISE (GATP)

## Available to Promise Concept

### ATP in ECC

Availability Check

Product Allocation

### Configuration

Configuration in ECC

Configuration in APO

### Check Selection

Check Instructions

### GATP Check Methods in APO

Product Availability Check  
Check against Product Allocations  
Check against Forecast  
Rule Based Availability Check  
Capable to Promise (CTP)  
Multi ATP Check (MATP)

### Back Order Processing

Interactive BOP

Back Ground BOP

### Transportation Scheduling

### ATP vs GATP

### Technical Aspects of APO

LiveCache Technology  
LiveCache vs. Database  
Authorizations for Planning Objects  
Performance Tuning  
Object Transportation

### Project Scenarios

System Landscape

## SKILLDEVELOPERS

Implementation Methodologies

SAP Projects (Implementation, Support, Rollouts, Upgradation)

Real-time issues and Case study

