Advanced Performance Tuning for SAP R/3

Duration: 5 Days

What you will learn
This workshop focuses on performance within an Oracle/SAP system. A few further important administrative aspects are also discussed in detail. Very good basic Oracle skills are the prerequisite for this course. It is intended for customers who have already had experience with Oracle/SAP. Participants each have a PC of their own at their disposal. Within the scope of the course, exercises are conducted on individual focal topics. It is possible to access customer systems within the scope of the workshop.

Audience
Database Administrators

Prerequisites

Required Prerequisites
Good Oracle/SAP skills

Course Objectives
Planning and performing database tuning for the SAP/R3 system
Advanced Backup and Recovery
Useful tips and tricks for daily DBA tasks
Oracle database structure and architecture from the perspective of an experienced DBA

Course Topics

Database Structures
Physical database structure
Logical database structure

Transactions in the database
Transactions (Oracle/SAP)
Automatic Undo handling
ORA-1555 causes and how to avoid this "error"

Users - Security
Security of an R/3 system from the database perspective
connect "/" as sysdba"

Online features/reorganization
Basic traits of online table redefinition with 9i/10g
Online index rebuild (online) what to pay attention to

Performance
Basics of tuning
SAP transactions for performance analysis (st03, sm66, etc.)
Oracle enqueue SAP enqueue
Wait situations
How to trace an SAP program (ST05)
Oracle events for tracing shadow processes
Index design for SAP systems (key words: must/should the MANDT field be included in the index or not?)
Oracle Rule Based Optimizer (Basics)

Backup/restore/recovery
Basics
B/R/R Special Recovery Scenarios (using backup controlfile)
High Availability, Standby Databases

DBA-Tasks
Error handling
Space allocation issues (resumable)