ProTech Professional Technical Services, Inc.

SAP S/4HANA – Performance Analysis ADM415-v022

Course Summary

Objectives

At the end of this course, students will be able to:
- Explain the internal processing of user requests within AS ABAP-based SAP system.
- Find critical performance bottlenecks in SAP HANA and SAP S/4HANA
- Solve selected performance problems that might occur in SAP S/4HANA

Topics

- Introduction to Workload Analysis
- Performance Analysis Monitors
- SAP Memory Management
- Identifying Hardware Bottlenecks
- Analyzing Table Buffering in SAP Systems
- RFC Monitoring
- Monitoring RFC Load
- SAP HANA Workload Analysis using SAP HANA Cockpit
- Using the SAP HANA Cockpit Expensive Statement Trace
- Using SAP Solution Manager Root Cause Analysis Tools for Performance Analysis

Audience

Those who can benefit from this AS ABAP – Performance Analysis course include:
- System Administrator
- Technology Consultant
- Program / Project Manager

Prerequisites

Essential:
- Technology Fundamentals for SAP S/4HANA and SAP Business Suite
- System Administration I of SAP S/4HANA and SAP Business Suite
- Basic knowledge of Linux and SAP HANA

Recommended:
- SAP HANA 2.0 SPS05 - Installation and Administration

Duration

Four days

Course Outline

Course Outline

I. Introduction to Workload Analysis
    A. Understanding the Components of a Dialog Step
    B. Analyzing Statistical Records and Data Information Flow

II. Performance Analysis Monitors
    A. Monitoring System Performance

III. SAP Memory Management
    A. Identifying the Memory Areas and Usage in SAP Systems
    B. Implementing SAP Extended Memory
    C. Hardware Capacity Verification

IV. Identifying Hardware Bottlenecks
    A. SAP Table Buffering

V. Analyzing Table Buffering in SAP Systems

VI. RFC Monitoring

VII. Monitoring RFC Load

VIII. SAP HANA Workload Analysis using SAP HANA Cockpit

IX. Using the SAP HANA Cockpit Expensive Statement Trace
    A. Using the SAP HANA Cockpit Performance Monitor
    B. Using SAP Solution Manager for Performance Analysis

X. Using SAP Solution Manager Root Cause Analysis Tools for Performance Analysis