



Objectives

This course covers all the tasks necessary to administer an Exaquantum System. The aim of the course is to demonstrate the post installation configuration of an Exaquantum System and to perform all necessary steps to get the system up and running and then monitor it for performance etc

Who should attend?

This course is essential for those people responsible for the Administration of an Exaquantum System.

Prerequisite knowledge

This course requires the attendees to have a working knowledge of the Windows Desktop environment.

Programme

Subject Areas:

- § Introduction to Exaquantum Administration
 - § The Exaquantum Server Databases
 - § Event Driven Mechanisms
 - § OPC Overview including Historical Data Access
 - § Concept of Items, Tags, Function Blocks
 - § Introduction to Multi-Server support and Role Based Name Space
 - § Business Historian
 - § The Microsoft Management Console (MMC) User Interface
 - § Course Structure Overview
- § System-Wide Configuration
 - § Licence Updating
 - § OPC Gateway Configuration
 - § Production Calendar
- § Template Configuration
 - § Roles of templates
 - § Function block template defaults
 - § Versioning of templates
 - § When changes to the templates take place
 - § Which fields of the templates can be changed and which cannot
 - § Effect of manually setting OPC tags' reference data
 - § Configuring a template for use in cross server calculations
- § Tag Editor
 - § OPC Tags
 - § Manual Tags
 - § Calculated Tags
 - § Function Blocks
- § Tag Generation
 - § HIS Tag Generation
 - § OPC Equalisation
 - § OPC File Import
 - § Function Block Generation
 - § Tag File Import
- § Role Based Name Space Configuration
- § Database Maintenance
 - § Backing up and Restoring the SQL Server Databases
 - § Historian Management tools
 - § Archiving historical information to offline store



- § First Line Troubleshooting
 - § Check that communication with the OPC Server is functioning correctly
 - § View data in the historian and RTDB
 - § Produce a list of files used by Exaquantum and their versions
 - § List tags configurations
 - § Review changes made
 - § Check for various reference items
 - § The Exaquantum System Event Viewer
 - § The Microsoft Windows Performance Monitor
 - § The Microsoft Windows System Event Log Viewer
- § Miscellaneous Administration Topics
 - § Using the Exaquantum Transformation Server to import live and historical data and to export live data into and out from Exaquantum systems.
 - § Importing of data from an OPC Server configured to store data locally which was not collected using History Catch-up is also covered in this session
 - § Use of the Recalculation Support Tool to update dependent aggregation item values when the values of the aggregation on which they depend have been changed
 - § Modifying the system wide parameters using the System Configuration tool.
 - § Defining system wide default formats for data using the Data Formatting tools
 - § Configuring the Exaquantum Status Monitor
 - § Configuring the Aggregation Switch Configuration Tool
 - § Multiple-choice questions and a practical exercise are provided for this session

Duration

4 days