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# Training Course Agenda for Exaquantum\PIMS System Administrator's Course (3 days)

- Course Code** : EQP-A18
- Objectives** : To demonstrate the post installation configuration of Exaquantum\PIMS data server(s), perform all necessary steps to acquire and store the data, manage the database and monitor the system's performance.
- Course Duration** : 3 days
- Training Hours** : morning session 9<sup>00</sup> to 12<sup>00</sup>  
afternoon session 13<sup>00</sup> to 16<sup>00</sup>
- Trainees** : 4 maximum
- Participants** : This course is essential for those people responsible for the Administration of an Exaquantum System. We recommend an organization has at least two Exaquantum System Administrator's.
- This detailed course is not designed for those people who just need a general overview of the data server functionality; a Technical Overview course is more appropriate for those people.
- Prerequisites** : *Essential:* Experience with using Microsoft Windows.  
*Desirable:* Microsoft Visual Basic Script (VBS).  
*Desirable:* Microsoft security administration (users & groups), preferably for Windows 2003 Server or Windows Server 2000.  
*Desirable:* Familiarity with the control system's data.
- Desirable:* For customers with an Exaquantum Annual Maintenance Agreements, registration for the online support area to access frequently asked questions (FAQ) and software updates.
- Corequisites** (post course) : Simple Microsoft Visual Basic Script (VBS) required for Exaquantum Calculated Tags.
- Microsoft security administration (users & groups), for Windows 2003 Server or Windows Server 2000.

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- Documentation** : The following materials will be provided -
- Exaquantum System Administrator's Course handouts (3 slides per page) for note taking, provided for each training participant.
- NTPP 901 Exaquantum System Administrator's Course CD-ROM for each organization. Complete with electronic training materials, user manuals and resources.
- NB: An extensive set of annotated slides is supplied electronically with the CD-ROM. For those who prefer annotated slides prints rather than the supplied hardcopy of 3 slides per page (without annotations printed), on request the softcopy can be made available in advance of the training. This allows those participant(s) to pre-print their own annotated set.
- Location** : Please refer to the supplied Orientation sheet for venue details.
- Additional Information** : Lunch will be provided.
- Please provide Course Enrolment forms for each training participant; and a brief history of the participant's prior experience with Exaquantum & Microsoft system administration.
- Examples of existing or potential documents that could benefit from being produced with Exaquantum data are useful, for considering what data to store and how it shall be made available. This will be discussed prior to training so that relevant considerations can be discussed during the training.
- For customers with Centum CS3000, a copy of the DCS project may be requested in advance for use during the training.
- Contact Information** :
- National Training Centre  
Yokogawa Australia Pty Ltd  
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112-118 Talavera Rd,  
MACQUARIE PARK NSW 2113  
AUSTRALIA
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- e-mail : [training@yokogawa.com.au](mailto:training@yokogawa.com.au)
- Training site : <http://www.yokogawa.com/au/cp/trainingcentre.htm>
- Website : <http://www.yokogawa.com/au/>

## Course Content

Day	Item	Description
1	Course Introduction	Training objectives
	Exaquantum\PIMS Data Server(s)' Configuration	
	<ul style="list-style-type: none"> <li>System Architecture</li> </ul>	Components of an Exaquantum system; and its relationship with the control system(s)
	<ul style="list-style-type: none"> <li>Tag Templates</li> </ul>	Tag Template configuration and benefits  Considerations of precision, frequency and history storage requirements compared with the process control system
	<ul style="list-style-type: none"> <li>Function Block Templates</li> </ul>	Function Block Template configuration and benefits
2	<ul style="list-style-type: none"> <li>Tag Editor</li> </ul>	The Tag Editor  Exaquantum Calculated Tag scripting and benefits
	<ul style="list-style-type: none"> <li>Tag Generation</li> </ul>	Bulk configuration and management of Exaquantum Function Blocks and Tags.
	<ul style="list-style-type: none"> <li>Role Based Name Space Configuration</li> </ul>	Role Based Name Space (RBNS) benefits and configuration
3	Exaquantum\PIMS Day to Day Administration Tasks	
	<ul style="list-style-type: none"> <li>Miscellaneous Administration Topics</li> </ul>	System Configuration Settings tool  Default Value Formatting tool  Flat file data exchange using the Exaquantum Transformation Server (QTFS utility)  OPC Data Recovery tool
	<ul style="list-style-type: none"> <li>Database Maintenance</li> </ul>	Database Backup  Exaquantum Archiving
	<ul style="list-style-type: none"> <li>First Line Troubleshooting</li> </ul>	Monitoring system performance  Identify and investigate typical system issues (methodology and tools)