Maximize your SCADA investment

The platform is easily upgraded to bring you the latest security patches and features that have been implemented in the core

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Introduction

The SCADAvantage training guide is intended for SCADAvantage users, configurators and ABB staff. Outlines are offered as a guide of topics to be covered but they can be altered if participants have a specific focus area.

This guide contains an overview of the standard SCADAvantage training courses along with course descriptions, attendance recommendations and topics covered in each course.

ABB can arrange on-site training and custom training courses throughout the year if required. Please contact the SCADAvantage group for details.

**Attendance**
A maximum of 8 attendees are allowed in each course.

**Cancellation Policy**
Registrants cancelling less than two weeks in advance of the course are entitled to a full refund minus a $200 administration fee.

Registrants cancelling less than one week in advance of the course will be charged 100% of the course fee.

ABB reserves the right to either cancel or postpone the scheduled courses if the number of registrants is less than four. Students will be notified of course confirmation or cancellation by email two weeks in advance.

**Course Fee**
Course fee includes refreshments and lunches for all registrants during the training course but does not include hotels and travelling expenses for any registrants.
Training will be offered based on the following schedule of courses in Calgary, Canada or at the customer location. The minimum attendance is 4 people and the maximum attendance is 8 people per course. (If the course is at a customer location, all travel and living expenses for the instructor need to be covered by the company being given the course).

Courses in Calgary are offered at the ABB Corporate Centre, 110, 2 Smed Lane SE, Calgary, Alberta, Canada.

**Course Schedule**

<table>
<thead>
<tr>
<th>Course</th>
<th>Dates</th>
<th>Course Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA700 - SCADA vantage Basic Administration</td>
<td>Upon request</td>
<td>$700 USD</td>
</tr>
<tr>
<td>CA770 - SCADA vantage Operations</td>
<td>April 24-28, October 16-20</td>
<td>$3750 USD</td>
</tr>
<tr>
<td>CA771 - SCADA vantage Basic Administration</td>
<td>May 1-5, October 23-27</td>
<td>$3750 USD</td>
</tr>
<tr>
<td>CA772 - SCADA vantage Advanced Configuration</td>
<td>May 8-12, October 30- November 3</td>
<td>$3750 USD</td>
</tr>
</tbody>
</table>

Contact the SCADA vantage group at SCADA vantage.info@ca.abb.com for any application discounts.
Course Overview
This course will deal with the SCADAvantage concepts and use of the Human Machine Interface (HMI) SCADAvantage client.

By the end of this course the user will be able to navigate the HMI and utilize all the SCADAvantage client features for reporting and system monitoring.

Course Outline
• Introduction
• Starting SCADAvantage
• SCADAvantage runtime environment
• SCADAvantage functions

Who should attend?
Plant operators and administration staff who will use the SCADAvantage client for operations and information retrieval.

Course Prerequisites
Experience with Microsoft operating system

Course Materials
Computer hardware will be provided. We will be using our demo system and performing normal operation tasks.

Course Timing
8:30 am to 4:00 pm
Course No. CA770

SCADAvantage Basic Administration - 5 days

Course Overview
This five-day course will introduce the user to SCADAvantage’s architecture and capabilities. SCADAvantage functionality will be covered including installation, system configuration, communication, system security, I/O maintenance and HMI basics. By the end of this course the user will be able to install, configure, troubleshoot and maintain the SCADAvantage System. The user will also gain knowledge of SCADAvantage front-end design and usage.

Course Outline
SCADAvantage Server
- Installation
- Licensing
Basic Configuration & Tools
- SCADAvantage explorer overview
- Security
- Communication configuration
- Analog, digital, software point and calculation point configuration
- Alarms, events and summary tables
- Archiving
- Reporting tool
- Production data history
- Business object template
SCADAvantage Client
- ODBC setup
- Engineering workstation software
- Display building overview
- HMI installation
Maintenance
- System files structure
- Backup /restore
- Applying patches

Who should attend?
Control Room Administrators and System Administrators who require a working knowledge of SCADAvantage structure, HMI capabilities and system administration and maintenance.

Course Prerequisites
Experience with Microsoft operating system and basic knowledge of RTU functionality.

Course Materials
The fee includes computer hardware and documentation during the course.

Course Timing
8:30 am to 4:00 pm
Course No. CA771
SCADAvantage Advanced Administration (Upstream) - 5 days

Course Overview
This five day course is designed to educate the administrator in the more advanced Upstream related features of SCADAvantage. The SCADAvantage features that will be covered are listed below.

By the end of this course the user will be able to design and implement a basic SCADAvantage client and server for Upstream business.

Course outline
Quick Review
SCADAvantage Server
• Installation
• Apply Patch
• Restoring
• History Resizing
• Upgrade
Redundancy setup
Replication
Alarm management
Upstream applications
Business object template
Advance HMI building
Troubleshooting tools

Who should attend?
Upstream System Administrators wanting to maximize the benefits of their SCADAvantage systems.

Course Prerequisites
• Experience with Microsoft operating system
• Experience with Microsoft Visual Studio .NET
• CA 770 SCADAvantage Basic Administration
• Experience with RTUs/EFMs
• Experience with Microsoft Excel
• Experience with relational databases and SQL

Course Materials
The fee includes hardware and documentation during the course

Course timing
8:30 am to 4:00 pm
Course Overview
This five day course is designed to educate the user in the more advanced Midstream related features of SCADAvantage. Features that will be covered are listed below.

By the end of this course the user will be able to design and implement a basic SCADAvantage client and server for Midstream business.

Course Outline
Quick Review
SCADAvantage Server
- Installation
- Apply patch
- Restoring
- History resizing
- Upgrade
Redundancy Setup
Replication
Alarm Management
Disaster Recovery
Midstream Applications
Business Object Template
Advance HMI Building
Troubleshooting Tools

Who should attend?
Midstream System Administrators wanting to maximize the benefits of their SCADAvantage systems.

Course Prerequisites
- Experience with Microsoft operating system
- Experience with Microsoft Visual Studio .NET
- CA 770 SCADAvantage Basic Administration
- Experience with RTUs/EFMs
- Experience with Microsoft Excel
- Experience with relational databases and SQL

Course Materials
The fee includes computer hardware and documentation

Course timing
8:30 am - 4:00 pm
Contact Us

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