

To enroll in Ovation courses or for more information, please call:
800-445-9723 or 412-963-3900

Ovation Project Manager

- OV001 Ovation Project Planning (on request)
- OV100 or OV100-WIN Starting with Data Acquisition
- OV200 or OV200-WIN Build and Maintaining Ovation Control
- OV210 or OV210-WIN Build Ovation Graphics
- OV220 Ovation System Installation
- OV300 or OV300-WIN Standard Ovation Troubleshooting

Optional

- OV240 Ovation Historical Collections & Reports or OV240-WIN Enterprise Historian
- OV245-WIN Ovation Process Historian
- OV270-WIN Ovation with HART and Smart Devices
- OV340-WIN Ovation Applications with Fieldbus

Operator Curriculum

- OV010 or OV010-WIN Ovation Operator (on request)

Optional

- OV120 or OV120-WIN Upgrade to Ovation

Engineer Curriculum

- OV100 or OV100-WIN Starting with Data Acquisition
- OV200 or OV200-WIN Building and Maintaining Ovation Control
- OV210 or OV210-WIN Building Ovation Graphics

Optional

- OV001 Ovation Project Planning
- OV220 Ovation System Installation
- OV240 Ovation Historical Collections & Reports or OV240-WIN Enterprise Historian
- OV245-WIN Ovation Process Historian
- OV250 Configuring Serial Link Controller
- OV260 Configuring Data Link Server
- OV270-WIN Ovation with HART and Smart Devices
- OV300 or OV300-WIN Standard Ovation Troubleshooting
- OV310 or OV310-WIN Advanced Ovation Graphics
- OV330 or OV330-WIN Ovation Advanced Control Techniques
- OV340-WIN Ovation Applications with Fieldbus

I&C Technician Curriculum

- OV100 or OV100-WIN Starting with Data Acquisition
- OV300 or OV300-WIN Standard Ovation Troubleshooting

Optional

- OV250 Configuring Serial Link Controller I/O Module
- OV260 Configuring Data Link Server
- OV280-WIN Ovation SCADA System

System Administrator Curriculum

- OV100 or OV100-WIN Starting with Data Acquisition
- OV200 or OV200-WIN Building and Maintaining Ovation Control Graphics
- OV210 or OV210-WIN Building Ovation Graphics
- OV230 or OV230-WIN System Administration Ovation System
- OV240 Ovation Historical Collections and Reports or OV240-WIN Enterprise Historian
- OV300 or OV300-WIN Standard Ovation Troubleshooting
- OV310 or OV310-WIN Advanced Ovation Graphics
- OV320 or OV320-WIN Ovation Network Administrator

Optional

- OV250 Configuring Serial Link Controller I/O Module
- OV260 Configuring Data Link Server
- OV330 or OV330-WIN Ovation Advanced Control Techniques
- OV280-WIN Ovation SCADA System
- OV360-WIN Ovation Security

Ovation Project Planning

Course OV001

Overview

This 4-day course is designed to provide an overall understanding of the Ovation system including the project planning process and Ovation system building and installation. The course will cover typical project activities from kickoff through acceptance tests and installation. The course stresses the importance of maintaining consistent standards throughout the project and identifies key issues that customers must consider in order to ensure a successful project.

Prerequisites

None

Topics

- Identify the Major Steps of an Ovation Project from Planning Through Installation
- Identify the Major Components of an Ovation System
- Identify Proper Facility Requirements Needed to Support the Ovation System
- Understand Proper Location of Ovation Components and Cabling at the Plant Site
- Recognize the Capabilities of Various Drops in the Ovation System
- Understand Techniques for Creating Redundancy in the Ovation System
- Explain the Function of Individual Ovation Utilities

Price/Location/Start Date:

Call to Discuss



Ovation® Emerson Process Management Power & Water Solutions is the premier source of proven technology and application for the power generation, water treatment, and wastewater treatment industries. The Ovation expert control system, a key component of the proven PlantWeb digital architecture, delivers higher levels of plant availability, reliability, and environmental compliance. Extensive training opportunities are available for project managers, engineers, operators, technicians, and system administrators.

Ovation Operator

Course OV010 and OV010-WIN

Overview

These 5-day courses are designed to provide students with the ability to efficiently perform routine plant operations using the Ovation control system. Key topics include data acquisition, process analysis and control interface. Students will be able to use the tools provided to monitor processes controlled by the Ovation system and will learn to take appropriate actions to control these processes. These courses are intended for all operations personnel using the Ovation system in a Solaris or Windows environment.

Prerequisites

None

Topics

- List the Major Components of the Ovation Control System
- Display Process Diagram Graphics
- Use Process Diagrams to Interface with the Control System
- Evaluate Point Alarm Conditions and Acknowledge Emergent Alarms
- Differentiate Various Point Types and Use the Point Information System to Find and Edit Point Records
- Create Live and Historical Trends
- Navigate Through Control Tuning Diagrams
- Analyze Problem Conditions
- Use System Reporting Procedures Utilities

Price/Location/Start Date:

Call to Discuss

Starting with Data Acquisition

Course OV100 and OV100-WIN

Overview

These 5-day courses provide experience using an Ovation Data Acquisition System (DAS). Ovation terminology and proper use of Ovation documentation are discussed. Students are introduced to the major components of the system and practice using Ovation tools that are designed to make data acquisition easy. Exercises include modifying and building database point records for analog and digital points. Students physically connect various field devices to the I/O and test the signals. Basic techniques for troubleshooting data acquisition hardware and software are also included in the course. These courses are intended for anyone who will need to work with the DAS of the Ovation system in a Solaris or Windows environment.

Prerequisites None.

Topics

- Recognize Ovation Terminology and Identify the Types of Drops Used for Data Acquisition in an Ovation System
- Demonstrate the Ability to Effectively use Ovation Documentation
- Describe the Functions of the Ovation Network and its Components
- Describe the General Architecture of an Ovation System
- Describe the Database Point Record Movement Between Various Drops as Points are Monitored, Modified and Built
- Monitor Plant Processes Using Data Acquisition Tools
- Recognize, Modify and Build the Various Types of Database Point Records in an Ovation System
- Select and Configure I/O Modules for Typical Field Devices
- Wire and Test Complete Signal Paths Between Various Field Devices and Appropriate Database Point Records
- Analyze Problem Situations and Implement Appropriate Corrective Solutions

Price/Location/Start Date:

Call to Discuss

Upgrade to Ovation

Course OV120 and OV120-WIN

Overview

These 5-day courses are for supervisors, engineers and technicians with a solid background in the WDPF RMX86 software platform or WEstation 8.6 level Solaris technology, who require an overview of the Ovation control system on either a UNIX or Windows platform. These courses highlight the differences between Ovation and the WDPF classic system including Ovation hardware and software functionality in a Solaris or Windows environment. Because these courses provide an overview of the differences between Emerson control systems, individuals with direct responsibility for using and maintaining an Ovation system should consider taking the OV100 or OV100-WIN and OV200 or OV200-WIN courses.

Prerequisites If migrating from an 8-level system, prior completion of the WEstation Software Maintenance (WSM) or Hardware Maintenance (WHM) courses is required.

Topics

- Build New Graphics and Convert Classic Graphics to an Ovation Format
- Build and Maintain the Ovation Database
- Access Utility Programs for Control Building
- Perform Query/Download on New and Modified Files
- Define and Install Ovation Drop Configurations

Topics Specific to the UNIX Platform (OV120)

- Implement "Cmdtool" and "shelltool" UNIX Commands
- Use SCCS to Sign Out Files for Editing and Replacement

Price/Location/Start Date:

Call to Discuss



Building and Maintaining Ovation Control

Course OV200 and OV200-WIN

Overview

These 5-day courses provide proficiency in reading, tuning and building/ implementing new Ovation functional control schemes. Both modulating (analog) and logic (digital) control schemes are included in the scope of these courses. Discussions include the various types of control algorithms and how they can be used to create effective control. These courses are intended for people who work with Ovation controllers to tune and build analog and digital control schemes in a Solaris or Windows environment.

Prerequisites Students must have a good understanding of Ovation system architecture and how point records are built and maintained in the Ovation system. It is recommended that students attend the OV100 or the OV100-WIN course prior to this course.

Topics

- Interpret and Apply Functional Control for the Ovation System
- Interpret/Tune Control Using Tools
- Edit Existing Control Schemes
- Demonstrate Proficiency in Building Digital and Analog Control
- Design and Implement a Tracking Scheme to Meet Specific Control Requirements
- Evaluate and Determine the Proper Operation of a Control Scheme Using the Tools and Methods Provided

Topics Specific to the UNIX Platform (OV200)

- Implement Given Control Requirements Using Control Builder

Topics Specific to the Windows Platform (OV200-WIN)

- Implement Given Control Requirements Using Control Builder

Price/Location/Start Date:

Call to Discuss

Building Ovation Graphics

Course OV210 and OV210-WIN

Overview

These 5-day courses will teach the user to build Ovation system graphic diagrams. Students will learn how to use the Ovation Graphics Builder in various applications. Course topics include the layout and implementation of static and dynamic objects, linking to control and creating perspective-type diagrams. Methods for standardizing information entities and control interfaces and troubleshooting problems within the graphics code are also covered. These courses are intended for anyone who will build process diagram displays for the Ovation system.

Prerequisites

Students must understand Ovation point record fields and Ovation control algorithm structures. It is suggested that students attend OV100 or OV100-WIN prior to taking these courses. If the student will be heavily involved in creating control interfaces, OV200 or OV200-WIN is also recommended.

Topics

- Describe the Different Coding Areas Within the Graphic Source Code
- Build Graphics to Display Live Plant Data
- Use Various Drawing Techniques to Create 3D Graphics
- Interface Graphics to the Control System by Using Poke Fields
- Design and Implement Macros to be Used Within Graphics
- Use Conditional Statements to Create Dynamic Indications in Graphics
- Employ Various Techniques to Make Graphics Code Execute More Efficiently
- Use Various Application Programs Within a Graphic to Perform Specific Actions
- Assess and Correct Problems in Graphics Using Available Tools

Price/Location/Start Date:

Call to Discuss

System Installation

Course OV220

Overview

This 5-day course is designed to build proficiency in proper setup of Ovation hardware and will cover troubleshooting initial installation problems. The course describes proper equipment grounding and environmental conditions. The course covers controller hardware, fault reporting, proper termination of inputs and outputs, and peripheral configuration. Students will perform system I/O check out and loop checks. This course is intended for students who will install Ovation equipment on either a UNIX or Windows environment.

Prerequisites

Students must have a good understanding of Ovation system architecture, database point records and control implementation. Students must also have a strong instrumentation and controls background and an understanding of the plant systems that interface with the Ovation installation. It is recommended that students attend the OV100 or OV100-WIN and OV200 or OV200-WIN courses prior to this course.

Topics

- Describe the Proper Grounding for Ovation Equipment
- Explain the Peripheral Addressing Scheme
- Describe the Proper Power Requirements and Backup Power System for Ovation Equipment
- Evaluate the Startup and Shutdown of Ovation Equipment for Proper Operation
- Evaluate a Problem Reporting Scheme
- Evaluate the Diagnostic LEDs and Fault Codes of the Controller
- Use Documentation to Determine Proper Action in a Problem Condition
- Set Up Various Peripheral Devices, Including a Printer and an Optical Drive
- Set Up an Ovation Operator Station from a Backup
- Perform System I/O Checkout and Solve Problem Conditions
- Perform a Loop Check and Solve Problem Conditions

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System Administration

Course OV230 and OV230-WIN

Overview

These 5-day courses address how to configure and maintain the integrity of Ovation system software and operating system commands and programs that facilitate system administration. These courses are intended for those responsible for administering the Ovation system.

Prerequisites

Students must have a good understanding of Ovation system architecture. Experience working in a UNIX or Windows environment is helpful.

Topics

- Navigate the File Structure and Manage Files Across the Network
- Describe the Components of the Communications System
- Design and Implement Ovation System User Accounts
- Modify Process Control and User Security
- Create a Complete Backup of the System Software/Restore all/any Part of Software
- Add/Modify New Drop Configuration to System
- Extract, Evaluate and Modify Data Tables From the Oracle Database

Topics Specific- UNIX Platform (OV230)

- Apply UNIX Commands
- Explain Peripheral Device Addressing and Devices
- Manage the Use of an Internal and External Floppy and Mount and Share Directories/ Files
- Manage Software Packages Using the "swmaint," "pkginfo," "pkgm," and "pkgadd" Commands

Topics Specific- Windows Platform (OV230-WIN)

- Use Developer Studio to Implement Given Control Requirements
- Map/Share Directories and Files in the Windows Environment

Price/Location/Start Date:

Call to Discuss

Ovation Historical Data Collection and Reports/Enterprise Historian

Course OV240 and OV240-WIN

Overview

These 5-day courses will teach students to set up and retrieve historical data using the Historian, as well as to create and generate periodic, event, and trip reports using the Report Server. Students will create the database for the Historian and will configure its subsystems. Basic troubleshooting skills will help students determine problem conditions. This course is intended for people who will configure, access and maintain the Historian and Report Server drops of the Ovation system.

Prerequisites

Students must have a good understanding of Ovation system architecture and how database point records are built and maintained in the Ovation System. It is recommended that students attend the OV100 or OV100-WIN courses prior to attending this course. The OV230 and OV230-WIN courses are also recommended, but not required.

Topics

- List the Ovation Historian Subsystems and Explain and Outline the Archiving Function
- Retrieve Data From the HSR Storage Device Using the Graphical User Interfaces (GUIs)
- Use "archive" and "drive" Status Functions to Maintain the Optical Media
- Set Up the Operator Event, Sequence of Events (SOE) and Alarm Subsystems
- Determine Proper Deadbands for Points Using the Statistical Analysis Package
- Add Points to the Ovation Historian
- Choose the Proper Configuration for a Given Historian and Configure it to Archive to an Optical Disk
- Describe the Subsystems of the Report Server
- Create/Generate Reports to Print Either Periodically or Triggered by a Specified Event
- Design and Save a Report/Configure the Report Server
- Analyze and Correct System Problems with Available Tools

Price/Location/Start Date:

Call to Discuss

Ovation Process Historian

Course OV245

Overview

This 5-day course will teach students to configure and retrieve historical data using the Ovation Process Historian. The course covers data collection, data storage, and data retrieval. Students will learn how to configure Ovation points and the Ovation system for collection. This course is intended for people who will configure, access, and maintain the Ovation Process Historian and the Report Scanner/ Report Generator drops of the Ovation system.

Prerequisites

Students must have a good understanding of the Ovation system architecture and how database point records are built and maintained in the Ovation Windows-based system. It is recommended that students attend an OV100-WIN course prior to attending this course.

Topics

- Describe the Functions of the Ovation Process Historian and Related Components
- Configure Scanners and Points For Collection
- Recognize the Ovation Process Historian Database Scheme and Understand the Concept of a Relational Database Management System (RDBMS)
- Understand the Ovation Process Historian Architecture and Hardware
- Install and Configure the Ovation Process Historian Report Manager
- Schedule, Automate and Manipulate Reports
- Distribute reports Using Various Techniques Such as Email, Web Publishing, Printers and Various Output Files
- Create Custom Reports and Ad-hoc Queries Using Various Third-Party Applications Such as Crystal Reports, MS Excel, MS Access, and SQL
- Create Historical Trends and Build Global Trend Groups
- Create Historical Point, Alarm, SOE, Op-Event, ASCII and Common Reviews
- Analyze the Ovation Process Historian with the Diagnostic Tools Available

Price/Location/Start Date:

Call to Discuss

Configuring the Ovation Serial Link Controller I/O Module

Course OV250

Overview

This 2-day course will give students the ability to create specialized I/O links to non-Ovation controllers using the Serial Link I/O Module. The course will define the data path and any memory mapping needed for the I/O link. Troubleshooting concepts illustrate how the I/O links are designed and programmed. This course is intended for those responsible for any specialized I/O links within the Ovation system.

Prerequisites

Students must have a good understanding of Ovation system architecture and how database point records are built and maintained in the Ovation system. Students must also understand how to build control using the Control Builder. It is recommended that students attend the OV100 or OV100-WIN and OV200 or OV200-WIN courses prior to attending this course.

Topics

- Define the Different Components Involved in an I/O Link
- Configure a Specific Link
- Design and Implement a Memory-Mapping File for a Specific Link
- Build any Database Needed to Ensure Proper Operation of the I/O Link
- Analyze Problems with a Link and Solve them with Available Tools

Price/Location/Start Date:

Call to Discuss

Configuring the Ovation Data Link Server

Course OV260

Overview

This 2-day course will give students the ability to create specialized links to non-Ovation controllers through a Data Link Server. The course will define the data path and any memory mapping required for the link. Troubleshooting concepts illustrate how the Database Server links are designed and programmed. This course is intended for those responsible for any Data Link Servers within the Ovation system.

Prerequisites

Students must have a good understanding of Ovation system architecture and how database point records are built and maintained in the Ovation system. It is recommended that students attend the OV100 course prior to attending this course

Topics

- Define the Different Components in a Data Link Server Interface
- Configure a Specific Link
- Design and Implement a Memory-Mapping File for a Specific Link
- Build any Database Points Needed to Ensure Proper Operation of the Data Link Server Interface
- Analyze Problems with a Link and Solve them Using Available Tools

Price/Location/Start Date:

Call to Discuss

Ovation with HART and Smart Devices

Course OV270 and OV270-WIN

Overview

This 2-day courses will provide students with the skills to fully utilize the special features of I/O related to HART and other intelligent field devices attached to the Ovation system. Students will identify the configuration of components in an Ovation system using HART and smart devices, attach the devices to the Ovation I/O cards, and build database points for the field devices. Students will also use AMS™ Suite to obtain data from the device. This course is intended for technicians and administrators using the Ovation system with HART and smart field devices.

Prerequisites

It is recommended that students attend OV100 or OV100-WIN, OV200 or OV200-WIN, and OV210 or OV210-WIN.

Topics

- Attach Field Devices to the Ovation I/O Modules
- Build HART and Smart Data Points in the System
- Analyze Data Available from the Field Device
- Diagnose Problems

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Call to Discuss



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Ovation SCADA System

Course OV280-WIN

Overview

This 4-day course will provide the student with the skills to take full advantage of the Ovation SCADA system. Students will identify the purpose and components of the Ovation SCADA system and use the Ovation Configuration Tool to access and modify the system. Students will establish communications using available Allen-Bradley, MODBUS, or DNP 3.0 protocols. This course is intended for technicians and administrators using the Ovation SCADA system.

Prerequisites

It is recommended that students attend OV100-WIN and OV210-WIN. OV200-WIN is also recommended.

Topics

- Understand the Functionality and Architecture of the Ovation SCADA System
- Use the Configuration Tool
- Analyze Communications Protocols
- Interpret Signal Traffic Between the SCADA Server and RTUs
- Create Ovation Graphics to Interface to the SCADA System

Price/Location/Start Date:

Call to Discuss

Ovation Standard Troubleshooting

Course OV300 and OV300-WIN

Overview

These 5-day courses provide students with the skills and methods to troubleshoot and repair faults in the data acquisition and control functions of the Ovation system. Students will be required to isolate faults anywhere in the signal path - from the field terminations to the I/O modules, through the controller, across the network and into the graphic display. Students will evaluate single and multiple problem scenarios. These courses are intended for anyone who may be called to troubleshoot any part of the data acquisition, control or display areas of the Ovation system.

Prerequisites

Students must have a basic understanding of Ovation system architecture, database point records, system controls and process diagrams. It is strongly recommended that students attend the OV100 or OV100-WIN and OV200 or OV200-WIN courses prior to attending these courses. OV210 or OV210-WIN and OV230 or OV230-WIN courses further prepare students for these courses.

Topics

- Identify and Resolve Selected Hardware, System Administration and Software Problems
- Troubleshoot the System Using Documentation and Available Tools to Analyze System Faults or Problem Conditions
- Interpret System Error Messages
- Recognize and Resolve Problems with the System Administration Tool
- Using a Systematic Approach to Fault Analysis, Isolate and Correct Selected Network, Port and Printer Faults

Price/Location/Start Date:

Call to Discuss

Advanced Ovation Graphics Programming

Course OV310 and OV310-WIN

Overview

These 4-day courses give students the ability to use application programs and advanced programming techniques, including the use of memory segments and pointer manipulation. These courses are intended for anyone who will build specialized process diagram displays for the Ovation system.

Prerequisites

Students must have a good understanding of Ovation system architecture, database point records, and how basic graphics are built and maintained in the Ovation system. It is strongly recommended that students attend the OV100 or OV100-WIN and the OV210 or OV210-WIN courses prior to attending these courses. The OV200 and OV200-WIN courses will also help the student improve skills related to programming graphic interfaces for plant control.

Topics

- Define Different Memory Segments Available in the Graphics Subsystem
- Build Several Graphics Using Pointers and Memory Segments.
- Interpret Application Programs
- Use the Trigger Section of the Graphics Code for Efficiency
- Use Graphic Commands only Available in a Text Editor
- Troubleshooting Graphics with Available Tools

Price/Location/Start Date:

Call to Discuss

Ovation Network Administrator**Course OV320 and OV320-WIN****Overview**

This 5-day introductory networking course will provide students with an understanding of general networking concepts and Ovation-specific network configurations for Fast Ethernet systems. Students will learn the basic networking skills required for general network administration and troubleshooting. Students will also be provided with hands-on knowledge of switch and router configuration for use in Ovation systems. This course is intended for Ovation network administrators, Ovation system administrators and those wishing to complete the Ovation Certification Program.

Prerequisites

Prior completion of the OV230-WIN course is recommended but not required.

Topics

- Explore Basic Networking Concepts, Including the OSI Reference Model, MAC Addressing, TCP/IP, IP Addressing, Multicast Addressing and Local Area Networks
- Implement an Ovation-Specific Network Addressing Scheme and Network Topology
- Define Network Devices and Media and Their Relation to the OSI Reference Model
- Configure Cisco 2600 Series Routers, Cisco 3550 Series Switches and Cisco 2950 Switches Series for Use in an Ovation Network (Where Applicable)
- Troubleshoot Inter-Networked Systems with Network Tools and Software

Price/Location/Start Date:

Call to Discuss

Ovation Advanced Control Techniques**Course OV330 and OV330-WIN****Overview**

This 5-day course is intended for students who implement control programs or make significant changes to existing programs. The student will learn how to implement control design in an Ovation environment. The course emphasizes the proper selection, configuration, and application of algorithms. This course is a continuation of topics covered in OV200 or OV200-WIN.

Prerequisites

Prior completion of OV200 or OV200-WIN is strongly recommended.

Topics

- Apply, Tune, and Track all Appropriate Algorithms in Open- and Closed-Loop Configurations; Select/Filter/Compensate Transmitter Inputs; Implement Complex Sequential Control; Appreciate Important Closed-Loop Control Forms; Configure General Math Computations; Describe the Interface of Selected Algorithms to Input/Output Hardware; Use Algorithms: Timing/Counting/Accumulation/System-Time Applications

Price/Location/Start Date:

Call to Discuss

Ovation Applications with Fieldbus**Course OV340-WIN****Overview**

This 4-day course will provide students with a thorough knowledge of fieldbus applications as applied to an Ovation control system. Students will gain hands-on experience implementing a fieldbus architecture on Ovation.

Prerequisites

A detailed knowledge of Ovation configuration, database concepts, and control and graphics building is required. Prior completion of OV100-WIN, OV200-WIN and OV210-WIN is recommended.

Topics

- Define and Explore Basic Fieldbus Architecture
- Implement an Ovation-Specific Fieldbus Scheme and Topology
- Build Ovation Database Points for Use in a Fieldbus Architecture
- Implement Control Loops in Fieldbus
- Configure Ovation Graphics to Function with a Fieldbus System
- Analyze the Timing of the System when Fully Operational

Price/Location/Start Date:

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Ovation Security for 2.4 Systems or Later

Course OV360-WIN

Overview

This 5-day course will guide students in the proper planning and installation of security for Ovation 2.4 level systems. The course discusses relevant internal and external security concerns and provides information for applying safeguards. Students attending this course will install and configure Ovation-compatible Windows Server 2003 domain controllers, Windows XP service packs, and Windows security patches. The OV360-WIN course is designed for customers who administer or will administer Ovation 2.4 or higher level systems.

Prerequisites

Students must have a basic understanding of Ovation system configuration and security concepts. Prior completion of OV230-WIN is recommended. No prior knowledge of Windows-based security is required.

Topics

- Identify Ovation-Specific Security Threats
- Plant and Implement Ovation 2.4 Software Installation, Including Windows 2003 Server, Service Packs, and Security Patches
- Create and Manage User Accounts, Computer Accounts, Ovation Roles, and Group Policies
- Design and Implement a Specific Ovation Security Configuration

Price/Location/Start Date:

Call to Discuss

Advanced Topics for Unix-Based Systems

Course OV390

Overview

In this 4-day class, students will review the structure of the Ovation Oracle database and its tables and practice the use of SQL*Plus. Topics covered include importing the Oracle master database, investigating Oracle's interaction with the Raima local database, and performing script writing using the Bourne and C-shells. This course demonstrates the controller's layout, configuration, and operation through the use of VxWorks commands.

Prerequisites

The OV390 course is designed for customers who administer Ovation Solaris systems. It is recommended that the student has already attended the OV100, OV200, OV210, OV230, and OV320 courses. It is also recommended that the student have experience working with and a good understanding of the Ovation system.

Topics

- Understand How the Oracle Database and Raima Databases Interact
- View Some of the Ovation Database Structure
- Utilize SQL*Plus to View Ovation Database Structure
- Utilize Ovation Database Utilities to Manipulate the Database
- Create SQL*Plus Scripts to Extract Information from the Database
- Identify Basic Script Building Blocks
- Build Solaris Scripts to Perform Several Ovation System Functions
- Explain the Different Tasks Running Within a Controller
- Utilize Several Utilities Within a Controller to Help Resolve Issues
- Understand How to Implement Third-Party I/O in a Controller
- Utilize Several Tools When Troubleshooting Third-Party I/O

Price/Location/Start Date:

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Ovation Certification Program

Course OV400 and OV400-WIN

Overview

This 5-day program offers certification on the Ovation control system. Each student will work independently on tasks involving system loading, configuration, database and control building, graphic design and linkage, report generation, and system backup. The student will build and configure a system. Students will receive certification upon satisfactory completion of the program and will be entitled to free admittance to future training sessions, offered twice a year, specifically targeted to changes due to upgrades and updates of the Ovation software. Certification lasts three years.

Prerequisites

Students should have a strong understanding of the Ovation system architecture and must have attended the Solaris or Windows equivalent of the following courses prior to enrolling in the Ovation Certification Program: OV100, OV200, OV210, OV230, OV240, OV290, OV300, OV310, OV320 and OV330. OV250 and OV260 are also recommended, but not required.

Topics

- Load and License Ovation Software Server Workstation
- Load and Configure Ovation Controller
- Load and License Historian
- Build, Save and Implement Oracle Database
- Construct Control Sheets - Boolean/Analog
- Design Graphics with Control Linkage
- Import Database into Historian
- Build and Generate Historical Reports
- Perform Procedures to Backup the System

Price/Location/Start Date:

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