

VRT Systems

MacroView Training Outline



65 Park Road / PO Box 1486
Milton 4064, Queensland Australia
Phone: +617 3367 1388
Fax: +617 3367 1295
E-mail: vrt@vrt.com.au
Web: www.vrt.com.au

MACROVIEW SYSTEM ADMINISTRATION

Objective

To provide the student with the knowledge required to perform MacroView system administration tasks in order to maintain the MacroView system.

Pre-requisites

Students should be familiar with computers and preferably with operating systems in general.

Content

- History of Unix/Windows NT.
- Unix/Windows NT file systems.
- File handling and permissions.
- Creating and maintaining user accounts and user groups.
- Basic commands and utilities.
- Using Visual Editors (eg: vi).
- Adding and removing devices.
- The printer spool system.
- Using NFS for file sharing.
- Using FTP for file transfers.
- Reviewing the MacroView system start file.
- General trouble shooting.
- Formatting and backing up of the system.
- MacroView Client/Server operation and administration.

Documentation

- Reference sheets
- Unix training manual

MACROVIEW OPERATIONS

Objective

To provide the student with the understanding necessary for confident system operation of the user's plant and process via the MacroView PC based control system.

Pre-requisites

Basic understanding of user's plant and process operation.

Content

- Introduction to PCs and their use in process control systems.
- Introduction to screen based control systems.
- MacroView concepts (entities, attributes, etc).
- MacroView operations.
- MacroView Displays (schematics, overviews, groups, detail pages).
- MacroView Trends and Alarm management.

IMPLEMENTATION COURSE

Objective

To provide the student with the knowledge necessary to engineer and implement a control system which is using MacroView Version 3 as an interface to that system.

Pre-requisite

Engineering, computing or trade background. Some knowledge of a Windows based operating system. Instrumentation/PLC knowledge may also be advantageous.

Content

You will become very familiar with the MacroView package and how it operates “behind the scenes”. You will understand its architecture and inherent flexibility, and grasp the power and capabilities of its real-time data engine.

- System structure - architecture, relational databases, etc.
- MacroView Operations (incorporates full Operator Training Course 001).
- MacroView Sources configuration (e.g., PLC, DCS, RTU, etc.).
- MacroView Entity configuration.
- MacroView Types configuration.
- Autosketch tutorial.
- History/Trends configuration.
- Graphic display generation (including EzEng).
- Groups configuration (faceplates).
- Alarms configuration.
- MacroView security configuration.
- Introduction to MacroView metascripts. (Programming language).
- Introduction to reporting options (Quickrep, Exproc, metascript).

Documentation

- MacroView Engineering Manual
- MacroView Operating Manual

CUSTOM MACROVIEW COURSES

We are often asked to customise courses for the particular needs of a customer. We are able to customise courses by adding or removing specific components or by focusing more on specific areas of your configuration.

We can address your specific training needs by:

- Offering standard courses on-site.
- Combining the content from several MacroView courses.
- Providing additional training relating to SPC, Operator Logs and other packages.
- Structuring the course specifically to your needs and targeting unique areas of your configuration.
- Providing Maintenance and trouble-shooting courses designed specifically for your installation.

MANAGEMENT REPORTING COURSE

Objective

To provide the student with an understanding of the management report writing options offered by MacroView and the best implementation of each option. This is largely a “hands-on” course with the attention focused on practical examples.

Pre-requisites

Familiarity with MacroView, preferably with previous attendances at the MacroView Implementation training course.

Content

This course builds on the knowledge that you have gained in the Implementation course. You will learn how to develop both simple and complex reports using a number of methods, and how you can use the data from MacroView in a wide range of applications. This course focuses on MacroView’s database and data engine capabilities, and shows that it is much more useful than just a man-machine interface.

- Overview of report writing options.
- Using database entities.
- Incorporating reports in graphic displays.
- Using Exproc and Quickrep.
- Metascript reports using SQL.
- Using History in reporting.
- Triggering reports by events, actions or on demand.
- Using DDE in queries and adhoc reports.
- Discussion of the concepts of integrating real-time data with the corporation and the benefits that arise from this.
- Introduction to reporting in Microsoft Excel spreadsheet package.
- Introduction to the MacroView Web Gateway (MWG) which enables you to distribute real-time data on a corporate intranet.
- Introduction to “Oracle Direct” - a direct interface between MacroView and Oracle tables, and other related concepts.

Documentation

- Metascripts manual
- Training Manual

TRAINING WITH VRT SYSTEMS

Do you find yourself often wondering whether there is a better way, or are you frustrated with not being able to do a particular task?

Often you can or there is a better way, but you simply have not been shown how. We can show you how by enrolling in a MacroView training course.

In order to ensure your place in one of our scheduled courses, please respond to the attached questionnaire as soon as possible.

YOUR INVESTMENT

Courses include:

- Course documentation.
- MacroView manuals required for each particular course (these can be retained by the student upon completion of the course).
- All PCs and additional equipment (special courses may incur additional equipment hire charges).
- Lunch, morning and afternoon tea including a barbeque on the final day.
- Certificates at the successful completion of each course.

Note:

- All courses can be conducted on-site at the rate of \$1200 per trainer per day. PC hire, accommodation, travel, and user manual costs are not included in this price.
- Prices exclude GST.
- Cancellation within 1 week of course start date will incur a 50% cancellation surcharge.
- We reserve the right to cancel or postpone any course up to 1 week before the start date.
- Course bookings can only be made by completing a course registration form.
- Special courses can be arranged on a per customer basis and tailored to your needs.

Course No.	Course Title	Duration	Class Size	Investment (pp)
001	Operations Course (on site)	1 day	4 - 8 students	\$1200 per day
002	Implementation Course	5 days	4 - 6 students	\$1500
003	Management Reporting Course	3 days	4 - 6 students	\$1200
004	MacroView System Administration	2 days	4 - 6 students	\$1000