

COURSE DESCRIPTION

The Dream Report Fundamentals technical training course is a 2 ½ day, hands-on instructor-led class designed to provide students with a fundamental understanding of the Dream Report reporting software. Dream Report is the leading programming-free, user-friendly reporting solution specifically for industrial automation. It was designed to be the simplest solution to extract data from almost any control system (PLC's, HMI's, standard protocols), process Historians, and open databases, and automatically provides reports to anybody, anywhere. The instructor is a Dream Report expert, who brings extensive real-world experience in implementing reporting solutions to the training class

OBJECTIVES

Upon completion of this course, you will be able to:

- Configure Dream Report to extract data from almost any data source
- Design and create reports
- Automatically generate and distribute the reports
- Utilize Dream Report's productivity and data archiving tools
- Interact with the reports through the DRWeb portal

AUDIENCE

This training is for end-users, system integrators, engineers, and technical professionals who need to configure and use Dream Report for plant and process reporting applications.

PREREQUISITES

- Basic PLC experience
- Manufacturing industry experience
- Familiarity with Personal Computers and the Windows operating system

COURSE OUTLINE - DREAM REPORT

MODULE 1

INTRODUCTION - PRODUCT ARCHITECTURE AND INSTALLATION

- Section 1 - Dream Report Product Overview
- Section 2 - Installing Dream Report
- Section 3 - Creating a new Reporting Project

MODULE 2

COMMUNICATION DRIVERS - CONNECTING TO DATA SOURCES

- Section 1 - Communication Drivers Configuration
- Section 2 - Configuring OPC Driver
- Section 3 - Configuring ODBC Driver
- Section 4 - Configuring Simulation Drivers
- Section 5 - Configuring Vendor Specific Drivers
- Section 6 - Overview on the Overall Communication Drivers Library

MODULE 3 - LOGGER STUDIO - CREATING LOGGING GROUPS

- Section 1 - Creating Logging Groups
- Section 2 - Logging Database

MODULE 4 - REPORTS AND REPORT SETTINGS

- Section 1 - Adding a New Report
- Section 2 - Report Templates and Page Templates
- Section 3 - System Fields: Date/Time, Page Number, and Dynamic Text

MODULE 5 - SIMPLE STATISTICAL OBJECTS

- Section 1 - Single Data Objects
- Section 2 - Compound Objects
- Section 3 - Expression Objects
- Section 4 - Single Data Object Expression or Widget

MODULE 6 - ADVANCED SQL CONDITION

- Section 1 - Using Advanced SQL Condition for Statistical Objects

MODULE 7 - TIME PERIOD DEFINITION

- Section 1 - Absolute and Relative Time Periods

MODULE 8 - BATCH REPORTS

- Section 1 - Creating Batch Definitions
- Section 2 - Batch Based Time Definition
- Section 3 - Batch Information Statistical Functions

MODULE 9 - TABLES

- Section 1 - Item Table
- Section 2 - Alarm Table
- Section 3 - SQL Query Table
- Section 4 - Step Table
- Section 5 - Automatic Statistical Table
- Section 6 - Free Table

MODULE 10 - LINE CHARTS

- Section 1 - Adding Line Chart

MODULE 11 - BAR GRAPH AND PIE GRAPH

- Section 1 - Bar Graphs
- Section 2 - Pie Graphs

MODULE 10 - INTRODUCTION TO QUICKSCRIPT.NET

- Section 1 - Introduction to Scripting
- Section 2 - Variables and Control Statements

MODULE 12 - DATA MODELS

- Section 1 - Data Modeler
- Section 2 - Configuring a Data Model

MODULE 13 - MULTI TAG AGGREGATION

- Section 1 - Multi Tag Aggregation Configuration
- Section 2 - Using a Multi Tag Express in a Reporting Object

MODULE 14 - EXPORT REPORTS TO EXCEL

- Section 1 - Define Exporting Report Data to Excel

MODULE 15 - USER MANAGEMENT

- Section 1 - Add Local Users
- Section 2 - Using Windows Users and Users Groups
- Section 3 - Assigning User Access Rights to Dream Report Modules
- Section 4 - Assigning User Rights to Different Reports

MODULE 16 – REPORT & CONCURRENT PROJECT DEVELOPMENT

- Section 1 – Project Repository
- Section 2 – Upgrading a Dream Project to a Configuration Database
- Section 3 – Repository Based Project Development
- Section 4 – User Management with Repository Based Project Development
- Section 5 – Remote/Concurrent Project Development
- Section 6 – Locking/Unlocking and Committing/Updating
- Section 7 – Running a Repository Based Dream Report Project
- Section 8 – Remote Project Development

MODULE 17 – WEB PORTAL

- Section 1 – Configuring the Web Portal
- Section 2 – Using the Web Portal to Generate Reports
- Section 3 – Slide Show Mode

MODULE 18 – WEB-ENABLED REPORTS

- Section 1 – Web Report Target
- Section 2 – Web-Specified Display Options

MODULE 19 – WEB OBJECTS AND WEB FORMS

- Section 1 – Using Date/Time Pickers
- Section 2 – Using Hyperlinks
- Section 3 – Using Combo Boxes
- Section 4 – Using a Tree Object
- Section 5 – Using Buttons

MODULE 20 – WEB MANUAL DRIVER AND MANUAL DATA ENTRY FORMS

- Section 1 – Adding Manual Parameters
- Section 2 – Validation Rules
- Section 3 – Submit Manual Data
- Section 4 – Correct Manual Values
- Section 5 – Validate Manual Data
- Section 6 – Report on Manual Data

MODULE 21 - DASHBOARDS

- Section 1 - Dashboard Designer Studio
- Section 2 - Drill Down Dashboards
- Section 3 - User Filter Objects
- Section 4 - Dashboard Integration with Dream Report Web Portal

MODULE 22 - REPORTING DATA SERVER

- Section 1 - Configuring the Reporting Data Server

MODULE 23 - CUSTOM GRAPHICAL OBJECTS

- Section 1 - Designing Custom Graphical Objects