Managing Creo/CAD Data in Windchill

Training Course Description

1 day course

Summary

In this Process-based course, you will learn about the Windchill PDMLink CAD data management solution. After completing this course, you will be prepared to complete basic Windchill PDMLink CAD data management tasks and activities. You will also have gained a better understanding of Windchill CAD data management processes. In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill to manage CAD design information. Specifically, you will focus on the day-to-day data management tasks including how to use the CAD data structure to associate and build the product structure. You will also be taught how to use Windchill to perform basic PDM functions on CAD Documents and their associated Windchill parts.

Software: Windchill Creo Data Management & Visualization *or* Windchill Multi-MCAD Data Management & Visualization

Course Topics:

Day 1
Module 1 Windchill MCAD Data Management Process Overview
Module 2 Manage Design Data
Module 3 Manage Design Development
Module 4 Manage CAD Data
Module 5 Working With CAD Data
Module 6 Manage Family Tables

Details

Module 1. Windchill MCAD Data Management Process Overview
i. CAD Data Management Process Overview
ii. CAD and Windchill Connectivity
iii. Introduction to CAD Documents
iv. Introduction to Windchill Parts
v. Windchill Integration
vi. Windchill Integration CAD Menus
vii. Windchill Integration – Model Tree
viii. Windchill Integration – Folder Browser
ix. Windchill Integration – Search
x. Windchill Integration – Embedded Browser

xi. Windchill Integration – Event Management
xii. Registering a Windchill Server
xiii. Configuring the Creo Parametric Browser
xiv. Introduction to the Workspace
xv. Workspace Layout
xvi. Changing the Active Workspace
xvii. Working with Workspaces
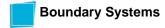xviii. Working in Large Workspaces
xix. Deleting Workspaces
xx. Sharing Creo Parametric Designs
xxi. Viewing CAD Document Information
xxii. Viewing CAD Document Content

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Module 5. Working With CAD Data
i. Enterprise Top-Down Design
ii. Enterprise Top-Down Design Process
iii. Understanding Gathering Parts
iv. Using Compare
v. Compare Tool Layout
vi. Understanding PTC Creo Unite
vii. Understanding PTC Creo Design Exploration
Extension (DEX)
viii. Introduction to Workspace Frames
ix. Accessing Workspace Frames
x. Workspace Frames Details
xi. Retrieving Simplified Representations On-the-Fly
xii. Using External Simplified Representations
xiii. Using Flexible Components
xiv. Managing Secondary Content Files with Windchill
xv. Using Creo Parametric to Compare PDM Model
Versions
xvi. Hyperlinks within a Drawing
xvii. Understanding Control Characteristics
xviii. Defining Control Characteristics

Module 6. Manage Family Tables
i. Family Table Overview
ii. Viewing Family Table Information
iii. Creating Family Tables
iv. Managing Family Tables
v. Generic Modification Matrix
vi. Individual Instance Modification Matrix
vii. Modifying Family Tables
viii. Modify Instance Parameters / Attributes in a
Workspace
ix. Saving Family Table Items as New Items
Knowledge Check Questions