

WINDCHILL: Creo Parametric Data Management with Windchill PDMLink

Find a Class

SOFTWARE

- Windchill Creo Data Management & Visualization or Windchill Multi-MCAD Data Management & Visualization

DURATION

- 1 Day

DELIVERY METHOD

- Instructor-Led Virtual (Public or Private)
- In-Person (Public or Private)

COURSE OVERVIEW

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.

COURSE TOPICS

- 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

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Module 1 Windchill MCAD Data Management Process Overview	Module 2 Manage Design Data
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> i. Manage Design Data Process Overview ii. Activate Workspace iii. Creating a Workspace iv. Setting the General Workspace Preferences v. Setting the Document Configuration Specification Workspace Preference vi. Setting the Part Configuration Specification Workspace Preferences vii. Changing the Workspace Table View viii. Customizing Workspace Table Views ix. Naming a New Creo Parametric Model x. Naming and Numbering Design Documents xi. Naming and Numbering Policy Example xii. Creating CAD Models xiii. Using CAD Templates in New Designs xiv. Initiating New Designs Using New CAD Document

<ul style="list-style-type: none"> 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 xxiii. Understanding the Workspace Architecture xxiv. Understanding the Save, Upload, and Check In Actions xxv. Understanding Web Browser Access to the Workspace xxvi. Understanding Workspace Objects xxvii. Managing Dependencies and Links 	<ul style="list-style-type: none"> xv. Importing CAD Data to Workspace xvi. Exporting CAD Data From Workspace xvii. Parameter to Attribute Mapping xviii. Set Parameter Values xix. Setting the CAD Document Storage Location xx. WTPart CAD Document Links xxi. WTPart CAD Document Links Example xxii. Understanding Calculated and Content Links xxiii. Associating WTParts with CAD Documents xxiv. Automatically Associating WTParts in the Workspace xxv. Manually Creating WTParts xxvi. Typical CAD Data Management Conflicts xxvii. Regeneration Failures xxviii. Incomplete Objects xxix. Sample Creo Parametric Dependencies xxx. Resolving Incomplete Objects From the Information Page xxxi. Resolving Incomplete Objects During Check In xxxii. Understanding Check In xxxiii. Understanding the Check In Options xxxiv. Creating New Designs in the Commonsense xxxv. Generating Viewables xxxvi. Creating Representations xxxvii. Monitoring Publish Jobs
<p>Module 3 Manage Design Development</p>	<p>Module 4 Manage CAD Data</p>
<ul style="list-style-type: none"> i. Manage Design Development Process Overview ii. Locating Design Information with Creo Parametric iii. Searching for Design Information iv. Browsing for Design Information v. Preview Information vi. Exposing PDM Information using Creo Parametric File Open vii. Exposing PDM Information in the Model Tree viii. Viewing Dependency Information in Windchill ix. Add to Workspace x. Other Methods of Adding to Workspace xi. Checking Out CAD Documents xii. Dependency Processing xiii. Workspace Status xiv. Downloading Non-Latest Configurations xv. Removing CAD Documents from the Workspace xvi. Make Necessary Changes xvii. Understanding Download and Check Out xviii. Understanding Check Out Status and Options xix. Modification Process – Check Out a CAD Document xx. Modification Process – Modify a CAD Document xxi. Modification Process – Check In a CAD Document xxii. Using Workspace Save As to Create New Designs xxiii. Check for Updates xxiv. Updating and Synchronizing Workspace Objects xxv. Updating CAD Documents in the Workspace xxvi. Synchronizing Objects in the Workspace xxvii. Data Organization - Manage Conflicts - Check In xxviii. Comparing Design Data Versions xxix. Initiating the Release Process xxx. Creating a Promotion Request xxxi. Completing a Change Notice Implementation Task 	<ul style="list-style-type: none"> Using Library Parts in Assemblies ii. Locking CAD Documents in the Workspace iii. Modifying CAD Document Attributes iv. Canceling Modifications v. Renaming CAD Documents vi. Renaming WTParts vii. Moving Design Documents viii. Revising Design Documents ix. Revising from the Non-Latest Version x. Revise and Check Out Action
<p>Module 5 Working With CAD Data</p>	<p>Module 6 Manage Family Tables</p>
<ul style="list-style-type: none"> i. Enterprise Top-Down Design ii. Enterprise Top-Down Design Process iii. Understanding Gathering Parts iv. Using Compare 	<ul style="list-style-type: none"> i. Family Table Overview ii. Viewing Family Table Information iii. Creating Family Tables iv. Managing Family Tables v. Generic Modification Matrix

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

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