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Windchill PDMLink 10.1

Curriculum Guide

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Live Classroom Curriculum Guide

- Update to Windchill PDMLink 10.1 from Windchill PDMLink 9.0/9.1
- Introduction to Windchill PDMLink 10.1 for Light Users
- Introduction to Windchill PDMLink 10.1 for Heavy Users
- Introduction to Windchill PDMLink 10.1 for the Implementation Team
- Introduction to Windchill MPMLink 10.1
- Creo Parametric Data Management with Windchill PDMLink 10.1
- Managing Design Variations with Windchill PDMLink 10.1
- Administration of Windchill PartsLink Classification and Reuse 10.1
- Business Administration of Windchill PDMLink 10.1
- Workflow Administration of Windchill 10.1
- System Administration of Windchill 10.1
- Customization of Windchill 10.1

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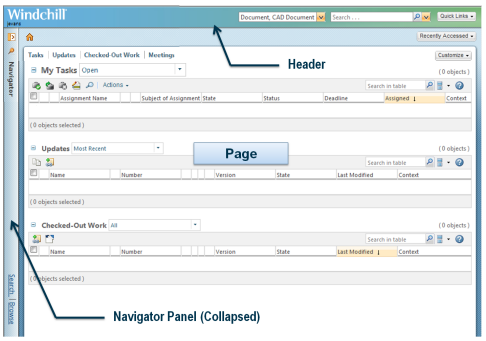
Update to Windchill PDMLink 10.1 from Windchill PDMLink 9.0/9.1

Overview

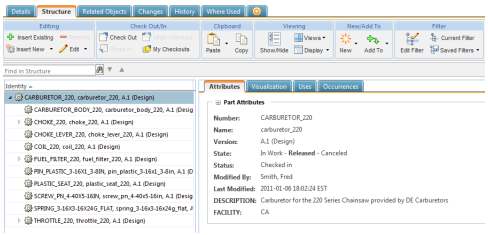
Course Code	TRN-3800-T
Course Length	1 Day

This course is designed for users who need to update their Windchill knowledge and skills from Windchill PDMLink 9.0 or 9.1 to work in a Windchill PDMLink 10.1 environment. After completing the course, you will be able to identify and use new Windchill PDMLink features and perform common tasks and activities available in Windchill PDMLink 9.0 or 9.1 using the new Windchill PDMLink 10.1 interface., In this course, you will learn about the feature and interface updates to Windchill PDMLink 10.1 from Windchill PDMLink 9.0 and 9.1. You will also learn about general Windchill usability enhancements, new ways to work with Windchill business objects, and specific enhancements for managing documents. Finally, you will learn about changes regarding how you participate in processes, creating and delivering work packages, and updates to change and configuration management., and At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.



Course Objectives

- Describe the updates to the Windchill user interface including the home page, quick links, and Windchill navigator
- Configure your Windchill environment by customizing your home page, context pages, object information pages, and table columns and views
- Locate information by searching or browsing for Windchill objects and navigating through context page options
- Work with objects by using context actions and enhanced management tools such as multi-object edit, the Windchill clipboard, and event manager
- Manage Windchill documents directly from Microsoft Windows Explorer or Microsoft Office using the latest version of desktop integration
- Use the new create and update interfaces available for working with documents
- Describe enhancements when collaborating with others in the Windchill environment
- Review and manage processes and process history
- Manage and reassign workflow tasks, life cycles, and teams
- Create and manage work packages
- Describe enhancements to Windchill change management, including new wizard-based change management forms and being able to use the Windchill collector to quickly find and include related objects in complex dependency operations
- Use the new work items table to manage work being done on changes
- Create and manage variances, including waivers and deviations
- Describe enhancements to the Windchill product structure management, including BOM notes, effectivity processing, structure filtering, structure compare, and configurations and instances
- Explore and use the new Product Structure Browser interface



Prerequisites

- Working knowledge of Windchill PDMLink 9.0 or Windchill PDMLink 9.1

Audience

- This course is designed for users who need to update their Windchill knowledge and skills from Windchill PDMLink 9.0 or 9.1 to work in the Windchill PDMLink 10.1 environment

Agenda

Day 1

Module	1	Windchill Usability Enhancements
Module	2	Working with Objects
Module	3	Document Management Enhancements
Module	4	Collaborating with Others
Module	5	Change Management Enhancements
Module	6	Product Structure Management Enhancements
Module	7	Creo Parametric Data Management Enhancements

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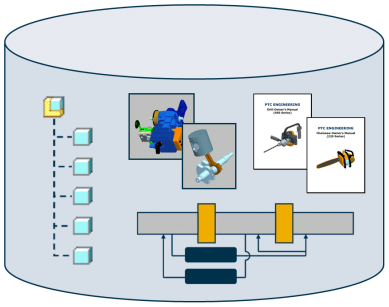
Introduction to Windchill PDMLink 10.1 for Light Users

Overview

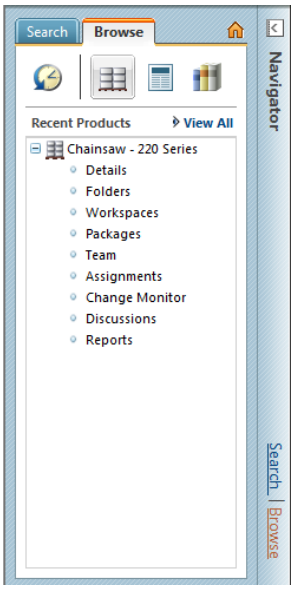
Course Code	TRN-3805-T
Course Length	1 Day



In this course, you will learn how to complete basic functions to navigate and view information within Windchill PDMLink. You will also learn how to access and navigate the Windchill PDMLink environment, view product information, use Windchill PDMLink's visualization tools, manage assigned tasks, and perform basic work management functions., This course is designed for users who need to access the Windchill PDMLink system to view information, perform system tasks, or use product information in making business decisions. After completing the course, you will be able to complete basic Windchill PDMLink tasks and activities, as well as have a better understanding of how to use the Windchill PDMLink system., and At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the Windchill PDMLink environment and terminology
- Locate product information
- View product information
- Understand visualization concepts and terminology
- Use Creo View Lite to view product information
- Use Windchill PDMLink tools to manage your work
- Participate in Windchill PDMLink processes



Prerequisites

- Basic browser and Web navigation skills

Audience

- This course is intended for users who need to access the Windchill PDMLink system to view information, perform system tasks, or use product information when making business decisions.

Agenda

Day 1

Module	1	Introduction to the Windchill Environment
Module	2	Locating Information
Module	3	Viewing Information
Module	4	Introduction to Visualization
Module	5	Using Creo Elements View/Lite to View and Annotate Information
Module	6	Managing Your Work
Module	7	Participating in Processes

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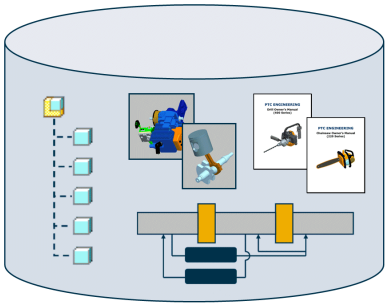
Introduction to Windchill PDMLink 10.1 for Heavy Users

Overview

Course Code	TRN-3806–T
Course Length	2 Days



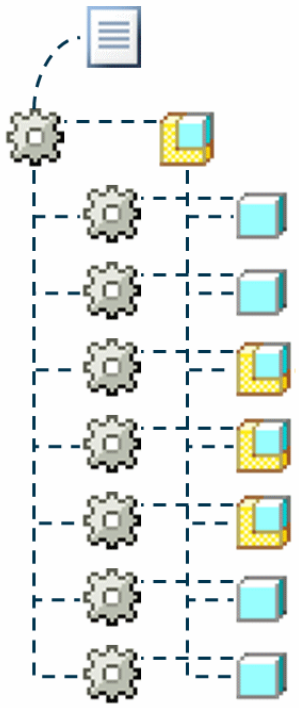
In this course, you will learn how to complete the day-to-day functions that enable you to create and manage product information with Windchill PDMLink. You will learn how to access and navigate the Windchill PDMLink environment, use Windchill PDMLink's visualization tools, manage product structures, and manage product information changes. Other topics include how to use Windchill PDMLink's communication and collaboration tools, and access user support functions and information.

This course is designed for users who need to access the Windchill PDMLink system to view, create, and manage product information. For users who require CAD data management training, this course should be followed with the appropriate CAD data management course for the user's design tool. After completing the course, you will be able to complete Windchill PDMLink data management tasks and activities, as well as have a better understanding of how to use the Windchill PDMLink system.

At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the Windchill PDMLink environment and terminology
- Locate and view product information
- View information using Creo View Lite
- Understand the principles of product structure management
- Create and manage product structures
- Create and manage documents
- Understand the Windchill PDMLink change process
- Initiate and implement product change
- Use Windchill PDMLink tools to manage your work



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product management processes and deliverables

Audience

- This course is designed for users who need to access the Windchill PDMLink system to view, create, and manage product information.

Agenda

Day 1

Module	1	Introduction to the Windchill Environment
Module	2	Locating and Viewing Information
Module	3	Viewing Information using Creo Elements/View Lite
Module	4	Introduction to Product Structure Management
Module	5	Creating Product Structures
Module	6	Managing Product Structures

Day 2

Module	7	Managing Structure Filters
Module	8	Managing Parts in Product Structure Explorer
Module	9	Creating and Managing Documents
Module	10	Introduction to the Change Process
Module	11	Initiating and Implementing Change
Module	12	Managing Your Work

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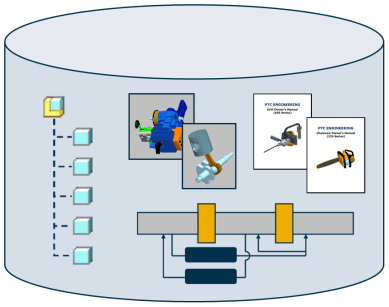
Introduction to Windchill PDMLink 10.1 for the Implementation Team

Overview

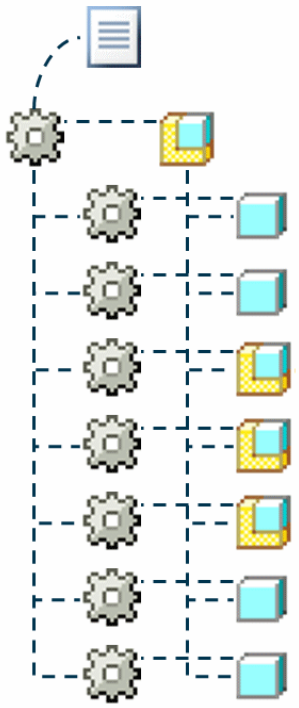
Course Code	TRN-3807-T
Course Length	2 Days



In this course, you will learn how to complete basic Windchill PDMLink functions. You will learn how to access and navigate the Windchill PDMLink environment, use Windchill PDMLink's visualization tools, manage CAD and product information, and manage product information changes. Other topics include how to use Windchill PDMLink's communication and collaboration tools, and access user support functions and information., This course is designed to provide broad and basic coverage of Windchill PDMLink functionality to members of the Implementation Team. After completing the course, you will have a comprehensive understanding of Windchill PDMLink capabilities, which will enable you to contribute to the successful implementation of Windchill PDMLink to meet your company's Product Lifecycle Management goals., and At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the Windchill PDMLink environment and terminology
- Locate and view product information
- View information using Creo View Lite
- Understand the principles of CAD data management
- Initiate new designs and share design information
- Modify and manage design information
- Understand the principles of product structure management
- Create and manage product structures
- Create and manage documents
- Understand the Windchill PDMLink change process
- Initiate and implement product change
- Use Windchill PDMLink tools to manage your work



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product management processes and deliverables

Audience

- This course is intended for members of the Implementation Team who need a broad understanding of Windchill PDMLink functionality to successfully implement the system.

Agenda

Day 1

Module	1	Introduction to the Windchill Environment
Module	2	Locating and Viewing Information
Module	3	Viewing Information using Creo Elements/View Lite
Module	4	Getting Started with CAD Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Information

Day 2

Module	7	Introduction to Product Structure Management
Module	8	Creating and Managing Product Structures
Module	9	Creating and Managing Documents
Module	10	Introduction to the Change Process
Module	11	Initiating and Implementing Change
Module	12	Managing Your Work

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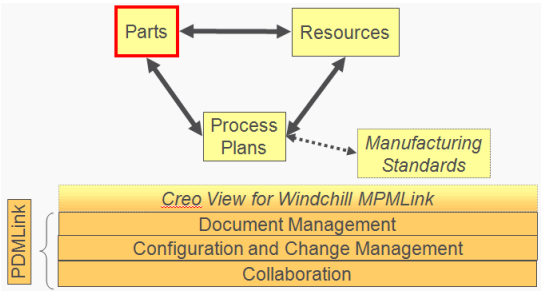
Introduction to Windchill MPMLink 10.1

Overview

Course Code	TRN-3811-T
Course Length	2 Days

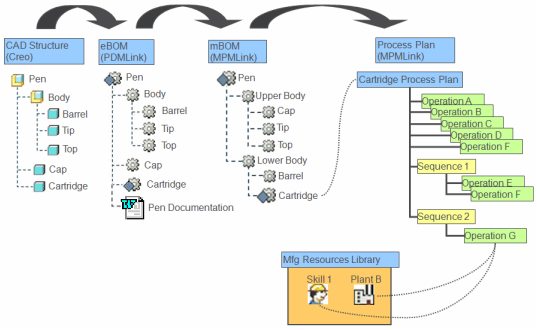
In this course, you will learn how to complete basic Windchill MPMLink functions. You will learn about MPMLink in the context of Manufacturing Process Management (MPM). You will also learn how to access and navigate the MPMLink environment, manage information, use MPMLink's visualization tools, and manage manufacturing changes attributed to product development. Other topics include how to use MPMLink to transform eBOMs to one or more mBOMs, and create process plans that consume the mBOM.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.



Course Objectives

- Transform an eBOM into an mBOM
- Create a process plan and associate it to the mBOM
- Create operations and allocate parts to them from the mBOM
- Allocate resources to the operations
- Use manufacturing standards in the operations
- Create illustrations and annotations for the operations
- View the production work instructions
- Create a time and cost roll-up



Prerequisites

- Introduction to Windchill PDMLink 10.1 for Heavy Users

Audience

- This course is designed for manufacturing engineers and manufacturing personnel that develop the mBOM or process plans including NC programmers, tooling designers, quality engineers, and production personnel. People in related roles will also benefit from taking this course.

Agenda

Day 1

Module	1	Introduction to MPM and Windchill MPMLink
Module	2	Introduction to the Windchill MPMLink Environment
Module	3	MPMLink BOM Translation Tools and Concepts
Module	4	Transforming eBOM to mBOM
Module	5	Introduction to Manufacturing Resources and Manufacturing Standards

Day 2

Module	6	Creating the Process Plan
Module	7	Allocating Objects to a Process Plan
Module	8	Refining the Process Plan
Module	9	Finalizing the Process Plan
Module	10	MPMLink Change Management

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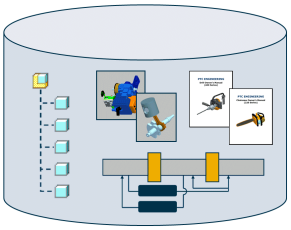
Creo Parametric Data Management with Windchill PDMLink 10.1

Overview

Course Code	TRN-3812-T
Course Length	1 Day



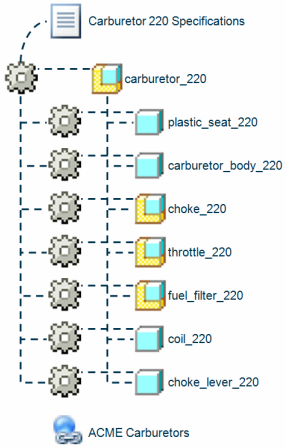
After completing this course, you will be prepared to complete basic Windchill PDMLink CAD data management tasks and activities. You will also have a better understanding of Windchill CAD data management processes.

In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill PDMLink to manage Creo Parametric design information. Specifically, you will focus on the day-to-day data management tasks required by the Creo Parametric user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on Creo Parametric CAD Documents and their associated Windchill parts.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Locate design information
- View design information
- Create new designs and share design information
- Modify and manage existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables
- Use workspace frames



Prerequisites

- Working knowledge of Creo Parametric
- Completion of any one of the following courses:
    - Introduction to Windchill PDMLink 10.1 for Light Users
    - Introduction to Windchill PDMLink 10.1 for Heavy Users
    - Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for end users and System Administrators

Agenda

Day 1

Module	1	Getting Started with Creo Parametric Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data
Module	4	Understanding File Relationships and Dependencies
Module	5	Managing Family Tables
Module	6	Managing CAD Data

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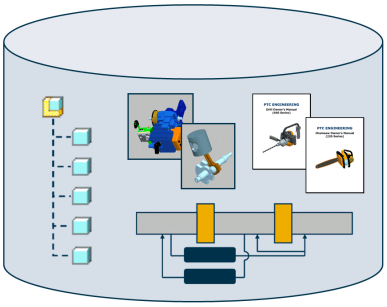
Managing Design Variations with Windchill PDMLink 10.1

Overview

Course Code	TRN-3815-T
Course Length	1 Day

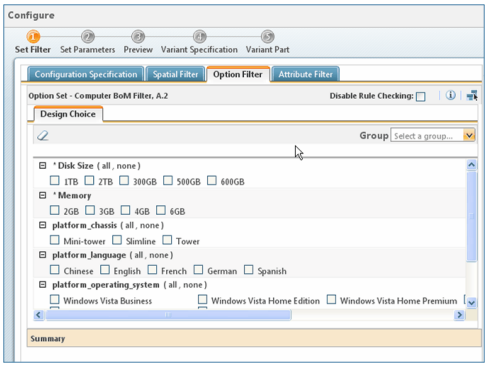


In this course, you will explore the capabilities, concepts, and processes for creating product options and variants. You will examine the environment and learn how to configure and organize your product structures to support your design variation requirements. Finally, you will learn how to view and filter product configurations based on choices and rules.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Understand Windchill design variation capabilities
- Create and manage options and choices definitions
- Use option sets to organize product families
- Set up configurable product structures
- Filter a configurable product structure
- Create and manage variants



Prerequisites

- Completion of one of the following courses:
    - WBT-3806 Introduction to Windchill PDMLink 10.1 for Heavy Users
    - WBT-3807 Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for users that will be developing the required options and variants, and who already understand Windchill product structures

Agenda

Day 1

Module	1	Introduction to Windchill Options and Variants
Module	2	Working With Enterprise-wide Definitions
Module	3	Using Option Sets to Establish Product Families
Module	4	Developing Configurable Product Structures
Module	5	Assigning Choices to Parts
Module	6	Configurable Product Structure Filtering
Module	7	Advanced Selection Logic for Configurable Parts
Module	8	**Creating and Managing Variants**

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Administration of Windchill PartsLink Classification and Reuse 10.1

Overview

Course Code	TRN-3816-T
Course Length	1 Day

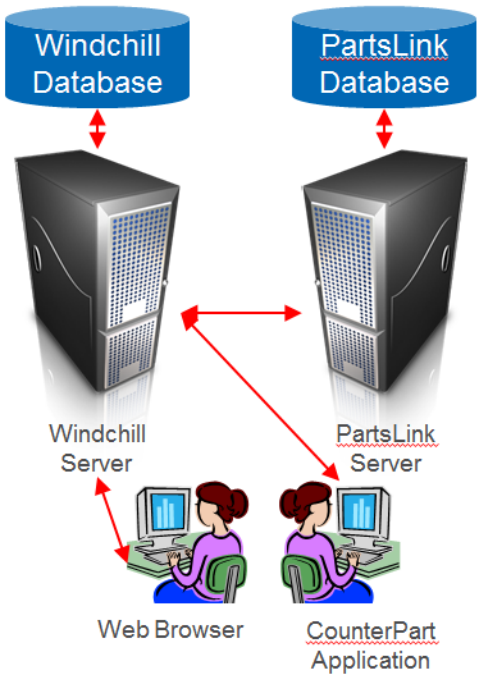
In this course, you will learn to use and administer Windchill PartsLink Classification and Reuse. You will begin by identifying classification search and the business uses it can serve. Then, you will use PartsLink to search for, browse to, create, and classify parts.

Later in the course, you will administer Windchill PartsLink by editing existing classification structures and creating new classification structures. Finally, you will learn to import a catalog of parts into Windchill using the import from spreadsheet functionality.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Identify the need for parts classification
- Identify the parts of the Windchill user interface that are added with the optional PartsLink module
- Describe classification-based search capabilities
- Browse to classified parts
- Search for classified parts
- Refine search criteria
- Search for similar parts
- Create classified parts
- Classify existing parts



- Describe the Windchill PartsLink architecture
- Identify Windchill PartsLink objects and their purpose
- Identify the relationships between different PartsLink objects
- Identify the tools used to manage the PartsLink classification structure
- Identify best practices for designing a classification structure
- Use the Windchill Classification Management tool to update a classification structure
- Use Windchill CounterPart to create and update classification structures
- Import a parts catalog to Windchill using an Excel spreadsheet

Prerequisites

- Business Administration of Windchill PDMLink 10.1

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members, and those with general Windchill PartsLink administration responsibilities will also benefit from taking this course.

Agenda

Day 1

Module	1	Introduction to PartsLink Classification and Reuse
Module	2	Classifying Parts
Module	3	Introduction to PartsLink Administration
Module	4	Creating and Maintaining a Windchill PartsLink Classification Structure

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Business Administration of Windchill PDMLink 10.1

Overview

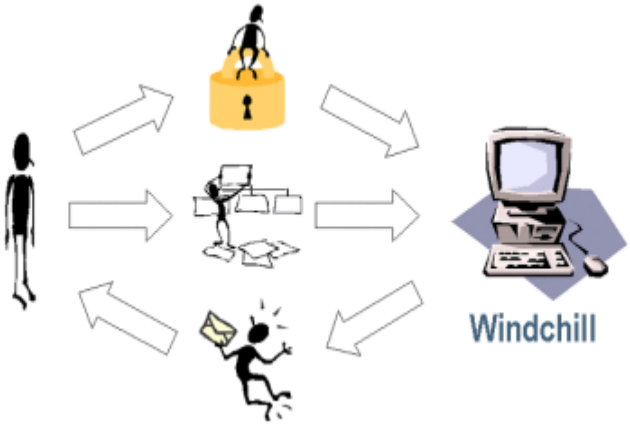
Course Code	TRN-3820–T
Course Length	3 Days

In this course, you will gain an understanding of basic Windchill PDMLink administration tasks. You will learn how to create user accounts and groups, and plan and create information management storage strategies. Other topics will include life cycles, workflows, teams, and configuring domain policies. These skills enable a business administrator to configure Windchill PDMLink to meet business needs. After completing this course, you will be well prepared to set up and manage a basic Windchill PDMLink implementation at your company.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Understand the processes involved in defining your business environment
- Identify the use of a Windchill Organization
- Create an organization
- Create and manage user accounts and groups
- Identify best practices for managing organizations, groups, and user accounts
- Identify contexts and their relationships
- Assign product and library creators
- Create and manage product and library contexts
- Distinguish Windchill object names and their corresponding object type class names



- Create Global Attributes
- Add attributes to a Windchill Type
- Create a Windchill Type
- Identify and set object initialization rules
- Implement custom versioning sequences
- Create and define life cycle and workflow templates
- Associate life cycle and workflow templates
- Understand the Windchill domain policy architecture
- Define access control policies
- Identify individual access control permissions
- Administer and troubleshoot access control lists
- Define notification policies
- Define indexing policies
- Use Context Teams to apply access control
- Use Context Teams and team templates to conduct workflow role resolution
- Create and manage document templates within product, library, and organization contexts
- Identify how to create CAD document templates
- Create product and library context templates
- Create, manage, and edit promotion preferences
- Identify the promotion review and approval processes
- Identify the pre-configured Windchill change management functions
- Access business metrics from Change Monitor reports
- Use ModelCHECK validation during Check In
- Administer administrator-saved searches
- Administer user profiles
- Administer Windchill views
- Administer calendar functions
- Administer organization preferences
- Identify the report manager functions
- Identify visualization publishing controls
- Identify purge manager functions
- Audit system events

Prerequisites

- Any one of the following courses:
  - TRN-3805 Introduction to Windchill PDMLink 10.1 for Light Users
  - TRN-3806 Introduction to Windchill PDMLink 10.1 for Heavy Users
  - TRN-3807 Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members, and those with general Windchill PDMLink administration responsibilities will also benefit from taking this course.

Agenda

Day 1

Module	1	Introduction to Windchill Business Administration
Module	2	Managing Participants
Module	3	Managing Contexts
Module	4	Managing Objects, Object Types, and Object Attributes

Day 2

Module	5	Managing Object Type Behavior
Module	6	Automating Processes Using Life Cycles and Workflows
Module	7	Managing Domain Policies and Access Control

Day 3

Module	8	Managing Teams
Module	9	Managing Organization Templates
Module	10	Implementing Promotion and Change Processes
Module	11	Administrative Support Tools

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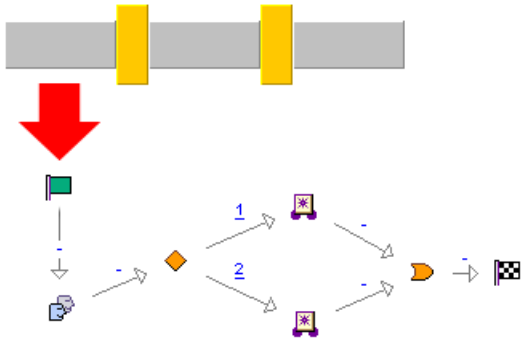
Workflow Administration of Windchill 10.1

Overview

Course Code	TRN-3824–T
Course Length	2 Days



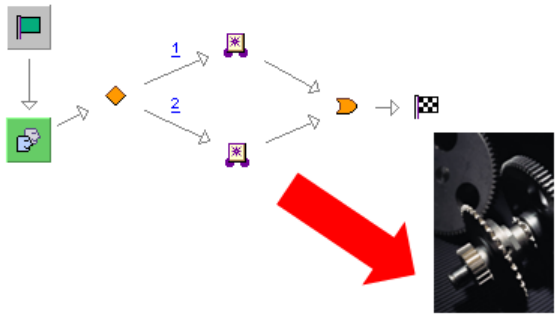
After completing this course, you will be able to plan and configure workflow automation features to support your company's business processes.

In this course, you will learn Windchill Workflow features and how to design, configure, and test workflow processes.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Describe the business objects that control and define the Windchill business process definition
- Identify the tools used to manage workflow templates
- Display, create, and modify workflow templates
- Determine what a pre-written workflow process does
- Initiate, track, and manage workflow processes
- Define and configure assigned activities
- Use connectors in workflow templates
- Use links in workflow templates
- Group workflow nodes into block processes



- Create references to other workflow templates using proxy processes
- Send notifications from a workflow process
- Check an object in or out automatically in a workflow process
- Move a Windchill object through its life cycle using workflow processes
- Create a time delay in a workflow process
- Launch an external application from a workflow process
- Execute a Java expression within a workflow process
- Synchronize a workflow process with a system event
- Communicate with another server using a URL from a workflow process
- Configure basic and advanced life cycles
- Specify the workflows to be used in advanced life cycles
- Configure a promotion request
- Modify a workflow for use with promotion requests
- Use routing to reassign a life cycle in a project or program
- Create a life cycle and workflow for use with project routing

Prerequisites

- Any one of the following courses:
  - T3820 (WBT-3820-0) Business Administration of Windchill PDMLink 10.1
  - T3821 (WBT-3821-0) Business Administration of Windchill ProjectLink 10.1
  - T3823 (WBT-3823-0) Business Administration of Arbortext Content Manager 10.1

Audience

- This course is intended for Windchill business administrators and application developers

Agenda

Day 1

Module	1	Using Workflow Tools
Module	2	Defining Manual Tasks

Day 2

Module	3	Controlling Process Flow
Module	4	Simplifying Complex Templates
Module	5	Automating Tasks
Module	6	Using Workflow Templates

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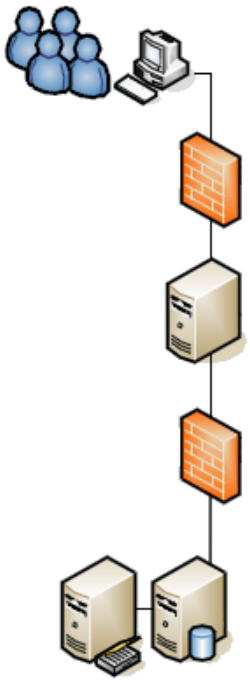
System Administration of Windchill 10.1

Overview

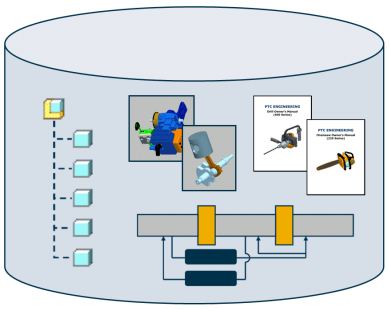
Course Code	TRN-3826-T
Course Length	3 Days



In this course, you will learn how to install and configure Windchill system components. You will also learn how to implement file vaulting and content replication. You will gain an understanding of how to perform routine Windchill system administration tasks, including how to manage Windchill services and optimize Windchill components for performance. Additionally, you will focus on daily, weekly, and monthly system maintenance tasks required by the Windchill system administrators. Other topics include managing an Oracle database, troubleshooting background queues, and controlling system backup procedures., At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole. , and Note: Due to the subject matter of this class, simulated software is used for Windchill installation to provide an accurate, effective, and efficient training experience that could not otherwise be duplicated in a standard classroom environment.

Course Objectives

- Introduction to Windchill architecture
- Install and configure Windchill solutions
- Implement file vaulting and content replication
- Tune Windchill components
- Tune Windchill workflows
- Manage background queues
- Manage Oracle database
- Manage system backups
- Manage system logs and alerts
- Monitor daily, weekly, and monthly tasks



Prerequisites

- Familiarity with the Windchill PDMLink 10.1 or Windchill ProjectLink 10.1 user interface
- Familiarity with the Windows command prompt and the ability to form and execute basic SQL statements

Audience

- This course is intended for System Administrators and Application Developers

Agenda

Day 1

Module	1	Windchill System Architecture Overview
Module	2	Planning Windchill Installation
Module	3	Installing Windchill Components
Module	4	Managing Windchill Services
Module	5	Managing Windchill Properties
Module	6	File Vaulting and Replication Overview
Module	7	Implementing File Vaults

Day 2

Module	8	Implementing Content Replication
Module	9	Tuning Windchill Server
Module	10	Managing Background Queues
Module	11	Tuning Workflow Processes
Module	12	Oracle Database Management

Day 3

Module	13	Windchill Backup and Recovery
Module	14	Managing Log Files and Alerts
Module	15	System Monitoring — Daily Tasks
Module	16	System Monitoring — Weekly Tasks
Module	17	System Monitoring — Monthly Tasks

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Customization of Windchill 10.1

Course Code	TRN-3827-T
Course Length	5 Days

Overview

In this course, you will learn several Windchill customization techniques, focusing upon Info*Engine and Windchill client customization. First, you will learn general customization best practices, such as how to build your customization in a way that it is maintained through Windchill updates. You will then learn how to configure Windchill display text and use Info*Engine to script and automate Windchill functionality. Lastly, you will learn how to add Windchill user interface elements, such as new menu items, Wizards, and tables. You will also learn to validate these items so they only appear when needed and only accept appropriate data.

Prerequisites

Required:

- Business Administration of Windchill PDMLink 10.1 or equivalent
- Java programming experience
- Experience developing Web pages using CSS, HTML, and JSP

Recommended:

- System Administration of Windchill 10.1
- Workflow Administration of Windchill 10.1
- Experience customizing or developing Web applications using Java

Audience

This course is intended for application developers and solution architects who plan to customize the Windchill user interface at their site. This course contains advanced programming material that is generally not appropriate for students with minimal programming experience.

Topics

- Store Windchill customizations in a manner that they are retained after a Windchill update
- Prepare an integrated development environment such as Eclipse so it may be used for Windchill customization
- Identify where Windchill text originates
- Create and modify resource bundle files
- Change the text shown in Windchill
- Understand Info*Engine architecture
- Read XML formatted by Info*Engine
- Author Info*Engine tasks that automate Windchill functionality
- Use Windchill and the Info*Engine API in tasks to perform advanced functions

- Use Info*Engine tasks in JSP pages, independent Java applications, Windchill workflow, and Web services
- Configure Info*Engine task delegates
- Identify how the Windchill URL relates to the page loaded in Windchill
- Create a Windchill status message in the Windchill header
- Override the Windchill style sheet with CSS
- Add custom actions to the Windchill user interface
- Author custom Windchill tables
- Use Info*Engine and the Windchill API to gather data for Windchill view components
- Create Windchill Wizards that create data
- Configure Windchill object pickers for use in Wizards
- Implement and register validators that restrict when actions may be selected and the data those actions accept

Agenda

Day 1

Module 1	Development Tools and Processes
Module 2	Configuring Windchill Display Text
Module 3	Authoring Info*Engine Tasks

Day 2

Module 3	Authoring Info*Engine Tasks (continued)

Day 3

Module 3	Authoring Info*Engine Tasks (continued)

Day 4

Module 4	Using Info*Engine Tasks
Module 5	Customizing Windchill Navigation
Module 6	Creating Windchill User Interfaces

Day 5

Module 6	Creating Windchill User Interfaces (continued)
	Final Project (Optional)

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Web Based Curriculum Guide

- Locate and View Information with Windchill PDMLink 10.1
- Visualization with Creo View Lite 2.0 for Windchill PDMLink 10.1
- MCAD Data Management of Creo Parametric Designs with Windchill PDMLink 10.1
- MCAD Data Management of Creo Elements/Direct Designs with Windchill PDMLink 10.1
- MCAD Data Management of CATIA Designs with Windchill PDMLink 10.1
- MCAD Data Management of NX Designs with Windchill PDMLink 10.1
- MCAD Data Management of SolidWorks Designs with Windchill PDMLink 10.1
- MCAD Data Management of AutoCAD Designs with Windchill PDMLink 10.1
- ECAD Data Management with Windchill PDMLink 10.1
- Product Structure Management with Windchill PDMLink 10.1
- Design Variation Management with Windchill PDMLink 10.1
- Standard Document Management with Windchill PDMLink 10.1
- Arbortext Document Management with Windchill PDMLink 10.1
- Change Management with Windchill PDMLink 10.1

- Work Management with Windchill PDMLink 10.1
- Windchill PDMLink 10.1 and Windchill ProjectLink 10.1 Interoperability
- Business Administration Overview of Windchill PDMLink 10.1
- User and Policy Administration of Windchill PDMLink 10.1
- Data and Context Administration of Windchill PDMLink 10.1
- Process Administration of Windchill PDMLink 10.1
- Creo Parametric Data Administration in Windchill 10.1
- Arbortext Data Administration in Windchill 10.1
- System Administration Overview of Windchill 10.1
- Installation and Configuration of Windchill 10.1
- Performance Tuning of Windchill 10.1
- Backup and Recovery of Windchill 10.1
- System Monitoring and Maintenance of Windchill 10.1
- ECAD Data Administration in Windchill PDMLink 10.1
- Windchill PDMLink 10.1 for Information Viewers
- Windchill PDMLink 10.1 for Reviewers and Approvers
- Windchill PDMLink 10.1 for Creo Parametric Users
- Windchill PDMLink 10.1 for CATIA Users
- Windchill PDMLink 10.1 for NX Users

- Windchill PDMLink 10.1 for SolidWorks Users
- Windchill PDMLink 10.1 for AutoCAD Users
- Windchill PDMLink 10.1 for ECAD Users
- Windchill PDMLink 10.1 for Engineers
- Windchill PDMLink 10.1 for Manufacturing Engineers
- Windchill PDMLink 10.1 for Configuration Managers
- Windchill PDMLink 10.1 for Document Editors and Authors
- Windchill PDMLink 10.1 for Arbortext Document Editors and Authors
- Windchill PDMLink 10.1 for Managers
- Update to Windchill PDMLink 10.1 from Windchill PDMLink 9.0/9.1
- Update to Windchill PDMLink 10.1 from Windchill PDMLink 10.0
- Introduction to Windchill PDMLink 10.1 for Light Users
- Introduction to Windchill PDMLink 10.1 for Heavy Users
- Introduction to Windchill PDMLink 10.1 for the Implementation Team
- Introduction to Windchill MPMLink 10.1
- Creo Parametric Data Management with Windchill PDMLink 10.1
- Managing Design Variations with Windchill PDMLink 10.1
- Administration of Windchill PartsLink Classification and Reuse 10.1
- Introduction to Windchill PartsLink Classification and Reuse 10.1

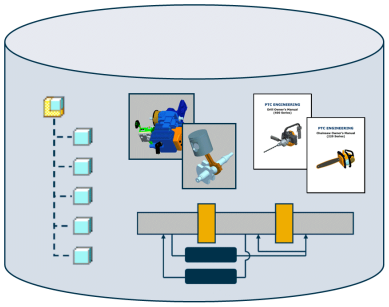
- Business Administration of Windchill PDMLink 10.1
- System Administration of Windchill 10.1

PTC university

Locate and View Information with Windchill PDMLink 10.1

Overview

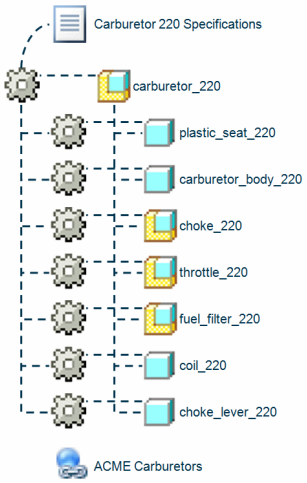
Course Code	WBT-3700-0
Course Length	2.5 hours



In this course, you will learn basic skills required to access and view information, such as: logging on, accessing help, and locating and viewing product information. This course constitutes a comprehensive review of Windchill PDMLink locate and view functionality. In addition, the content is built to support topic-based course configurations., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Identify and describe the capabilities of Windchill's primary object types
- Identify Windchill storage locations, iteration and revision controls, process controls, access controls, and collaboration features
- Access Windchill
- Navigate within Windchill
- Access Help
- Execute simple and advanced searches
- Save searches
- Browse contexts
- Use, manage, and create Windchill table views
- View the attributes, content, and relationships of Windchill objects



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product development processes and deliverables

Audience

- This course is intended for any user that needs to access product information residing within the Windchill PDMLink system. People in related roles will also benefit from taking this course.

Table of Contents

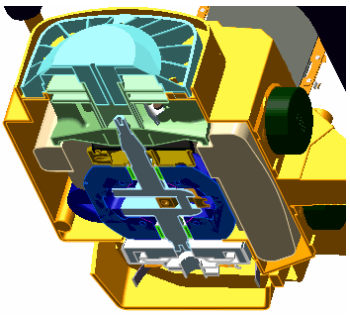
Module	1	Introduction to the Windchill Environment
Module	2	Locating Information
Module	3	Viewing Information

PTC university

Visualization with Creo View Lite 2.0 for Windchill PDMLink 10.1

Overview

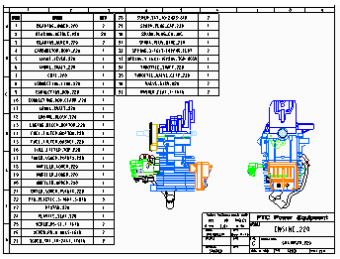
Course Code	WBT-3701-0
Course Length	3.5 Hours



In this Visualization with Creo View Lite 2.0 for Windchill PDMLink 10.1 course, you will receive a comprehensive review of the Creo View Lite 2.0 functionality. In addition, the content is built to support topic-based course configurations. You will learn about Creo View Lite and its role as a visualization solution for Product Data Management systems. You will also learn how to visualize products and navigate through or query 3-D models, 2-D drawings, images, and documents. Additionally, you will learn how to deconstruct models to view how components fit together. Finally, you will learn how to create markups and save annotation sets to communicate design ideas and problems.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives



- Introduction to visualization
- Introduction to the Creo View Lite user interface
- Navigating and orienting 3-D models
- Finding and selecting model components
- Changing model appearances
- Working with model annotations
- Exploding model components
- Sectioning models
- Working with components and groups
- Viewing 2-D drawings, images, and documents
- Creating markups and annotation sets
- Taking measurements

Prerequisites

- Locate and View Information with Windchill PDMLink 10.1

Audience

- This course is intended for any user that needs to view and manipulate product information residing within the Windchill PDMLink system

Table of Contents

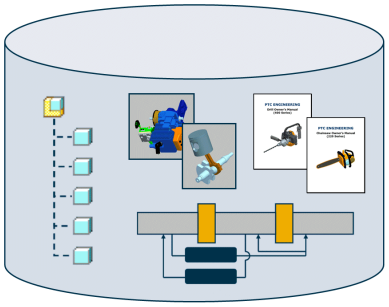
Module	1	Introduction to Visualization
Module	2	Getting Around in Creo View
Module	3	Viewing and Interrogating Models
Module	4	Deconstructing a Creo View Model
Module	5	Working with Components
Module	6	Viewing Drawings, Images, and Documents
Module	7	Working with Markups and Annotation Sets
Module	8	Working with Construction Geometry

PTC university

MCAD Data Management of Creo Parametric Designs with Windchill PDMLink 10.1

Overview

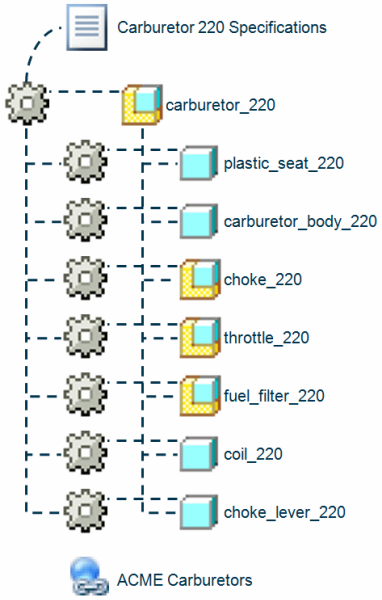
Course Code	WBT-3702-0
Course Length	4.5 hours



This course constitutes a comprehensive review of Windchill PDMLink Creo Parametric data management functionality. In addition, the content is built to support topic-based course configurations., 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 Creo Parametric design information. Specifically, you will focus on the day-to-day data management tasks required by the Creo Parametric user community, 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 Creo Parametric CAD Documents and their associated Windchill parts., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics .

Course Objectives

- Locate design information
- View design information
- Create new designs and share design information
- Modify and manage existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables
- Use workspace frames



Prerequisites

- Locate and View Information with Windchill PDMLink 10.1 or equivalent
- Working knowledge of Creo Parametric

Audience

- This course is intended for end users and System Administrators

Table of Contents

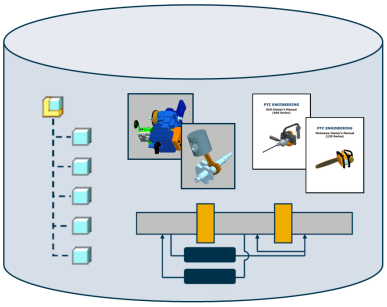
Module	1	Getting Started with Creo Parametric Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data
Module	4	Understanding File Relationships and Dependencies
Module	5	Managing Family Tables
Module	6	Managing CAD Data

PTC university

MCAD Data Management of Creo Elements/Direct Designs with Windchill PDMLink 10.1

Overview

Course Code	WBT-3703-0
Course Length	3 Hours

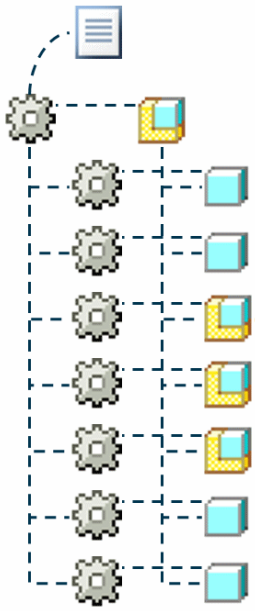


In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill to manage Creo Elements/Direct Modeling design information. Specifically, you will focus on the day-to-day data management tasks required by the Creo Elements/Direct Modeling user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on Creo Elements/Direct Modeling CAD documents and their associated product structure objects. This course constitutes a comprehensive review of Windchill PDMLink Creo Elements/Direct Modeling data management functionality. The content is built to support topic-based course configurations. After completing this course, you will be prepared to perform basic Windchill CAD data management tasks and activities, as well as having a better understanding of Windchill CAD data management processes.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate information
- View information
- Create new designs and share design information
- Modify and manage existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables



Prerequisites

- Locate and View Information with Windchill PDMLink 10.1 or equivalent
- Working knowledge of Creo Elements/Direct Modeling

Audience

- This course is intended for end users. People in related roles will also benefit from taking this course.

Table of Contents

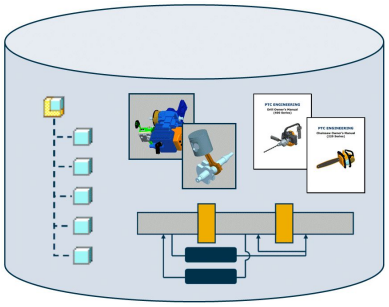
Module	1	Getting Started with CAD Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data

PTC university

MCAD Data Management of CATIA Designs with Windchill PDMLink 10.1

Overview

Course Code	WBT-3704-0
Course Length	3.5 Hours



This course constitutes a comprehensive review of Windchill PDMLink CATIA data management functionality. In addition, the content is built to support topic-based course configurations.

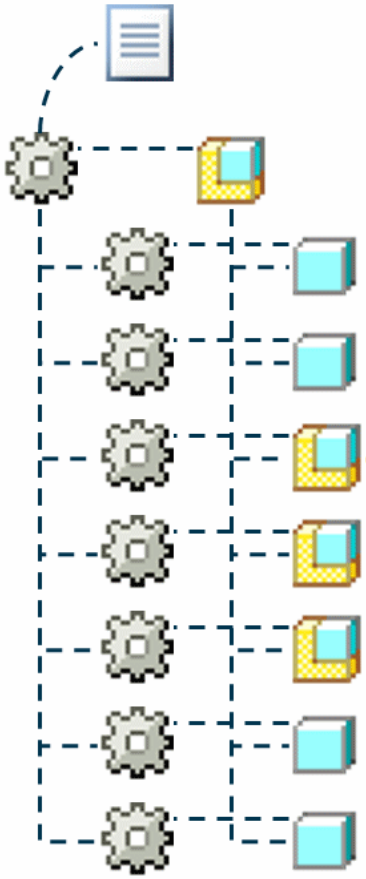
After completing this course, you will be prepared to complete basic Windchill CAD data management tasks and activities, as well as having a better understanding of Windchill CAD data management processes.

In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill to manage CATIA design information. Specifically, you will focus on the day-to-day data management tasks required by the CATIA user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on CATIA CAD documents and their associated product structure objects.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate information
- View information
- Create new designs and sharing design information
- Modify and managing existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables



Prerequisites

- Locate and View Information with Windchill 10.1 or equivalent
- Working knowledge of CATIA V5

Audience

- This course is intended for end users and System Administrators

Table of Contents

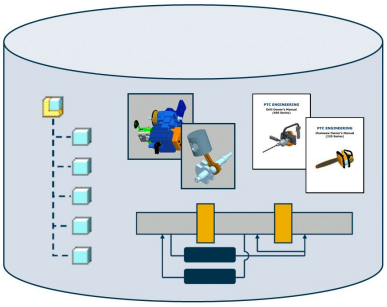
Module	1	Getting Started with CAD Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data
Module	4	Managing Family Tables

PTC university

MCAD Data Management of NX Designs with Windchill PDMLink 10.1

Overview

Course Code	WBT-3705-0
Course Length	3 Hours



This course constitutes a comprehensive review of Windchill PDMLink NX data management functionality. In addition, the content is built to support topic-based course configurations.

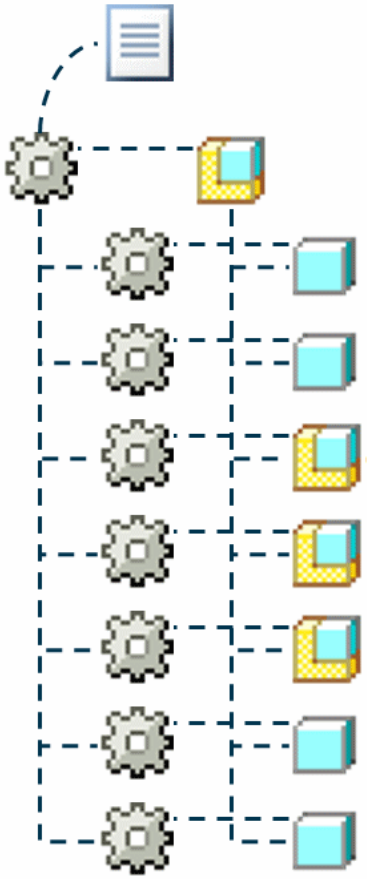
After completing this course, you will be prepared to complete basic Windchill CAD data management tasks and activities, as well as having a better understanding of Windchill CAD data management processes.

In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill to manage NX design information. Specifically, you will focus on the day-to-day data management tasks required by the NX user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on NX CAD documents and their associated product structure objects.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate information
- View information
- Create new designs and sharing design information
- Modify and managing existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables



Prerequisites

- Locate and View Information with Windchill PDMLink 10.1 or equivalent
- Working knowledge of NX

Audience

- This course is intended for end users and System Administrators

Table of Contents

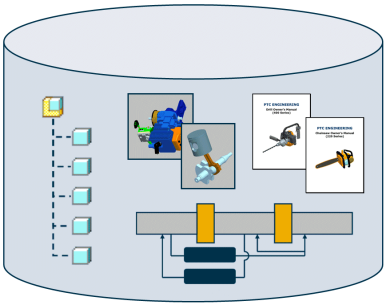
Module	1	Getting Started with CAD Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data
Module	4	Managing Family Tables

PTC university

MCAD Data Management of SolidWorks Designs with Windchill PDMLink 10.1

Overview

Course Code	WBT-3706-0
Course Length	3 Hours



This course constitutes a comprehensive review of Windchill PDMLink SolidWorks data management functionality. In addition, the content is built to support topic-based course configurations.

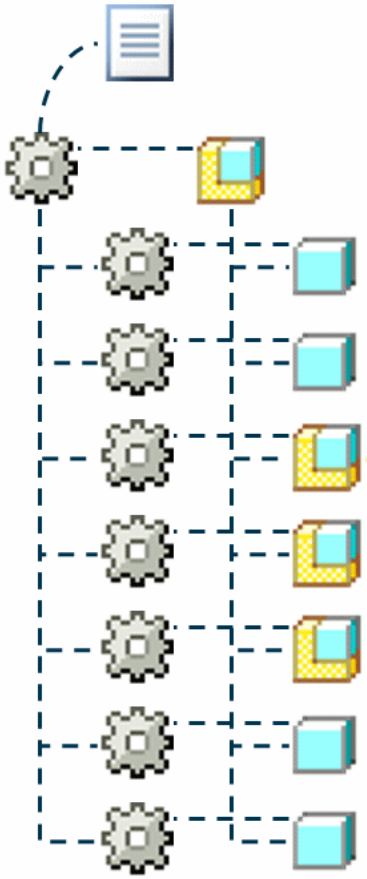
After completing this course, you will be prepared to complete basic Windchill CAD data management tasks and activities, as well as having a better understanding of Windchill CAD data management processes.

In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill to manage SolidWorks design information. Specifically, you will focus on the day-to-day data management tasks required by the SolidWorks user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on SolidWorks CAD documents and their associated product structure objects.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate information
- View information
- Create new designs and sharing design information
- Modify and managing existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables



Prerequisites

- Locate and View Information with Windchill PDMLink 10.1 or equivalent
- Working knowledge of SolidWorks

Audience

- This course is intended for end users and System Administrators

Table of Contents

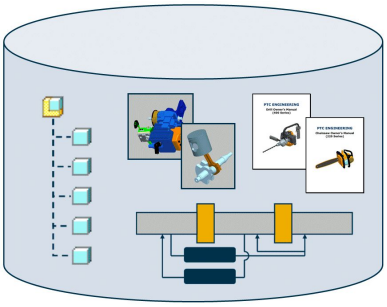
Module	1	Getting Started with CAD Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data
Module	4	Managing Family Tables

PTC university

MCAD Data Management of AutoCAD Designs with Windchill PDMLink 10.1

Overview

Course Code	WBT-3707-0
Course Length	2.5 Hours



This course constitutes a comprehensive review of Windchill PDMLink AutoCAD data management functionality. In addition, the content is built to support topic-based course configurations.

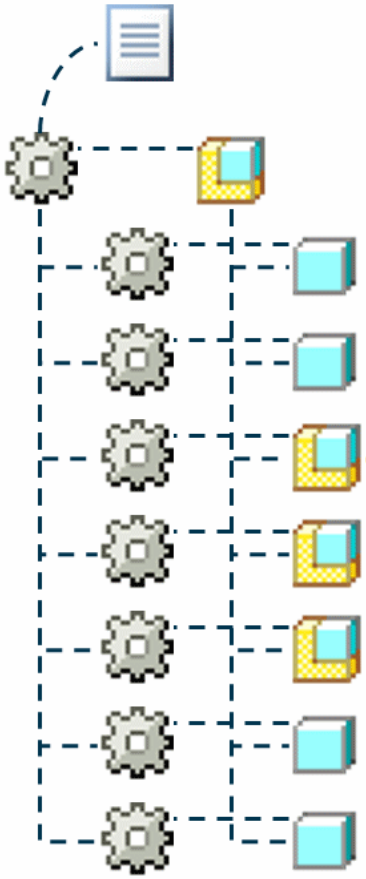
After completing this course, you will be prepared to complete basic Windchill CAD data management tasks and activities, as well as having a better understanding of Windchill CAD data management processes.

In this course, you will learn key capabilities and features of Windchill PDMLink CAD Data Management and how to use Windchill to manage AutoCAD design information. Specifically, you will focus on the day-to-day data management tasks required by the AutoCAD user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on AutoCAD CAD documents and their associated product structure objects.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate information
- View information
- Create new designs and sharing design information
- Modify and managing existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies



Prerequisites

- Locate and View Information with Windchill PDMLink 10.1 or equivalent
- Working knowledge of AutoCAD

Audience

- This course is intended for end users and System Administrators

Table of Contents

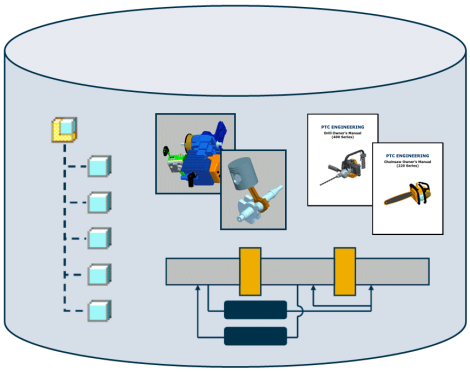
Module	1	Getting Started with CAD Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data

PTC university

ECAD Data Management with Windchill PDMLink 10.1

Overview

Course Code	WBT-3708-0
Course Length	4 hours

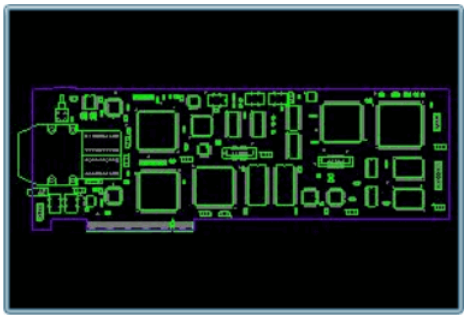


In this course, you will learn how to manage ECAD data, such as the printed circuit board and the schematic, in Windchill using the Windchill Workgroup Manager. You will learn how to initiate new ECAD designs in Windchill, modify existing designs, and manage the ECAD design data. You will also learn how to extract bill of materials from the ECAD design and build Windchill product structure. Finally, you learn how to manage ECAD manufacturing data in Windchill.

At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify ECAD design process and components of ECAD designs
- Learn about Windchill Workgroup Manager user interface
- Manage workspaces
- Create schematics and PCB layouts from templates
- Modify ECAD designs in Windchill
- Manage ECAD derived data
- Generate and manage bill of materials
- Create and manage manufacturing data in Windchill



Prerequisites

- None

Audience

- This course is intended for Windchill end users who are creating and managing ECAD designs in Windchill. People in related roles will also benefit from taking this course.

Table of Contents

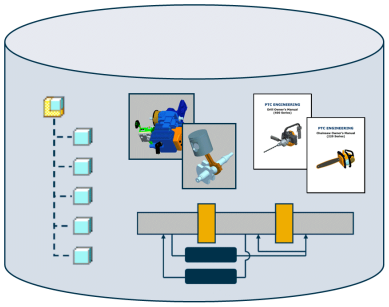
Module	1	Getting Started with ECAD Data Management
Module	2	Managing Schematic Designs
Module	3	Managing PCB Layout Designs
Module	4	Managing Manufacturing Data
Module	5	Performing Common Data Management Tasks

PTC university

Product Structure Management with Windchill PDMLink 10.1

Overview

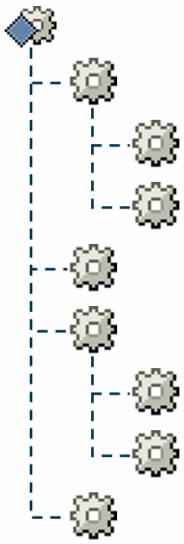
Course Code	WBT-3709-0
Course Length	2.5 hours



This course constitutes a comprehensive review of product structure management functionality. In addition, the content is built to support topic-based course configurations., In this course, you will learn some of the concepts and terms that surround products and product structures, as well as how to create product structures using part-centric and CAD-centric approaches. You will explore the Product Structure Explorer interface and learn how to build product structures using Product Structure Explorer. Additionally, you will create baselines and new view versions of product structures, as well as bill of materials (BOM) notes that facilitate manufacturing. Finally, you will be taught about many of the more complex product structure configuration options and how they can be used., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics and form the basis for daily review sessions.

Course Objectives

- Identify the role of parts, end items, and documents in product structures
- Identify various approaches used to create product structures
- Build and edit product structures
- Create product structures using Product Structure Explorer
- Identify various product configurations
- Add bill of materials (BOM) notes to product structures
- Add replacement parts to product structures
- Process part occurrences and add reference designator information
- Set product effectivity
- Create and manage product configurations and instances



Prerequisites

- WBT-3700-0 Locate and View Information with Windchill PDMLink 10.1

Audience

- This course is intended for any user that needs to create or manage Windchill parts or product structures. People in related roles will also benefit from taking this course.

Table of Contents

Module	1	Introduction to Product Structure Management
Module	2	Viewing Product Structures
Module	3	Creating Product Structures
Module	4	Managing Product Structures
Module	5	Managing Structure Filters
Module	6	Managing Parts in Product Structure Explorer
Module	7	Managing Configurations and Instances

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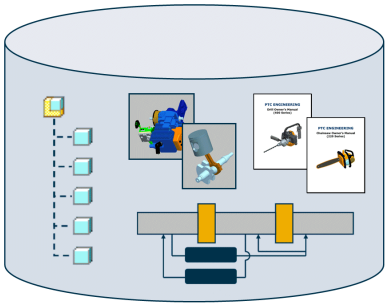
Design Variation Management with Windchill PDMLink 10.1

Overview

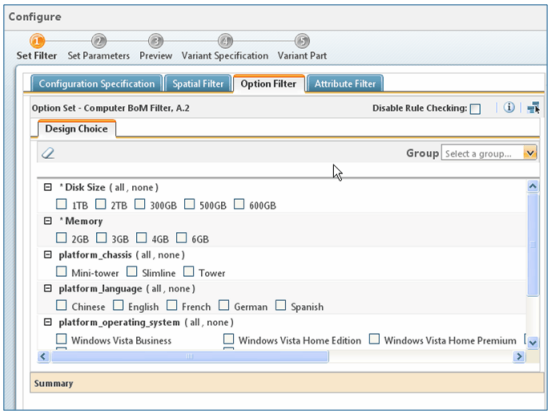
Course Code	WBT-3710-0
Course Length	4 Hours



This course constitutes a comprehensive review of options and variants functionality. In addition, the content is built to support topic-based course configurations. You will explore the capabilities, concepts, and processes for creating product options and variants. You will examine the environment and learn how to configure and organize your product structures to support your design variation requirements. Finally, you will learn how to share option-defined enterprise configurations and rules in Creo., and At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Understand Windchill design variation capabilities
- Create and manage options and choices definitions
- Use option sets to organize product families
- Set up configurable product structures
- Filter a configurable product structure
- Create and manage variants
- Search for options and choices
- Understand AnyBOM configuration management
- Use Variant Builder



Prerequisites

- Completion of one of the following courses:
    - WBT-3806 Introduction to Windchill PDMLink 10.1 for Heavy Users
    - WBT-3807 Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for users that will be developing the required options and variants, and who already understand Windchill product structures

Table of Contents

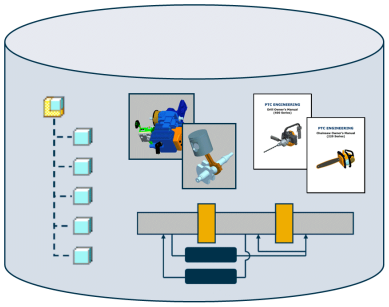
Module	1	Introduction to Windchill Options and Variants
Module	2	Working With Enterprise-wide Definitions
Module	3	Using Option Sets to Establish Product Families
Module	4	Developing Configurable Product Structures
Module	5	Assigning Choices to Parts
Module	6	Configurable Product Structure Filtering
Module	7	Advanced Selection Logic for Configurable Parts
Module	8	Creating and Managing Variants

PTC university

Standard Document Management with Windchill PDMLink 10.1

Overview

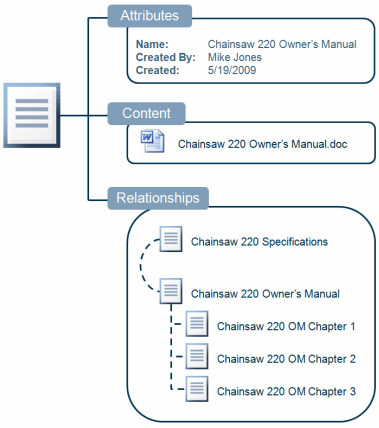
Course Code	WBT-3711-0
Course Length	1.5 hours



This course constitutes a comprehensive review of Standard Document Management functionality. In addition, the content is built to support topic-based course configurations., In this course, you will learn the basic skills necessary to perform typical document management tasks using Windchill PDMLink 10.1. You will learn document management skills, such as creating and modifying documents., and At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify the capabilities of a standard document
- Set document preferences
- Create documents
- Modify documents
- Revise documents
- Create document relationships



Prerequisites

- WBT-3700-0 Locate and View Information with Windchill PDMLink 10.1

Audience

- This course is intended for any user that will manage documents within Windchill PDMLink.

Table of Contents

Module 1 Creating Documents and Links

Module 2 Modifying and Managing Documents

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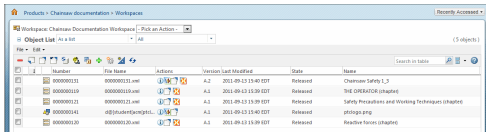
Arbortext Document Management with Windchill PDMLink 10.1

Overview

Course Code	WBT-3712-0
Course Length	1.5 Hours

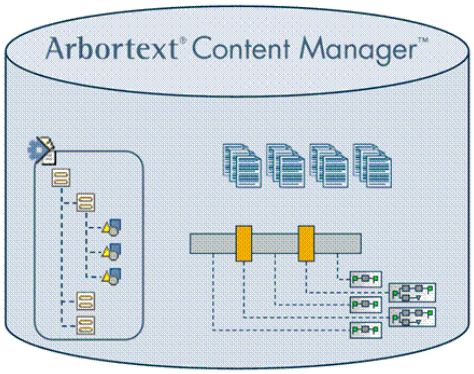


In this course, you will learn the basic skills necessary to use the Arbortext Integration to manage Arbortext Editor documents in the Windchill PDMLink environment. This course covers the basic operations to upload, check in, and check out Arbortext documentation from Windchill PDMLink. These skills are important because they enable a user to apply Windchill PDMLink capabilities toward meeting a company's Content Management goals.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Log on and connect to Windchill PDMLink
- Understand and use workspaces
- Search and browse for dynamic documents
- Share Arbortext documents
- Use and manage visualization
- Generate and manage published content
- Understand and use burst configuration files
- Create and use managed baselines



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of Arbortext Editor functionality
- Basic understanding of Project Management processes and deliverables

Audience

- This course is intended for end users that generate documentation in Arbortext Editor and need to manage the documentation in a Windchill environment. People in related roles also will benefit from taking this course.

Table of Contents

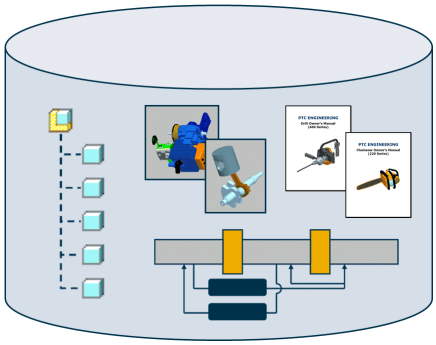
Module	1	Getting Started with Arbortext Integration
Module	2	Sharing Arbortext Documents
Module	3	Modifying Arbortext Documents
Module	4	Managing Dynamic Documents

PTC university

Change Management with Windchill PDMLink 10.1

Overview

Course Code	WBT-3713-0
Course Length	1.5 hour



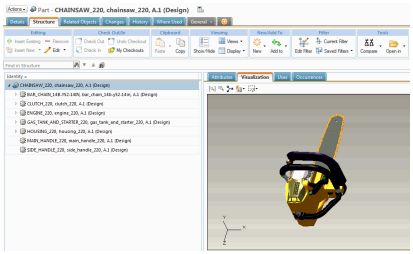
This course constitutes a comprehensive review of Windchill PDMLink Change Management functionality. In addition, the content is built to support topic-based course configurations. After completing this course, you will be prepared to complete basic Windchill PDMLink Change Management tasks and activities. You will also have a better understanding of Windchill PDMLink Change Management processes.

In this course, you will learn about change management capabilities in Windchill PDMLink. You will review the closed-loop change process that is the foundation of Windchill's Change Management discipline and also how to report problems and monitor the progress of changes. Additionally, you will review the entire fast-track change process, taking multiple roles while creating a change request, a change notice, and completing implementation tasks. Finally, you will learn about and create a variance.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics and form the basis for daily review sessions.

Course Objectives

- Introduction to the Change Management system
- Create a problem report
- Create a change request
- Create a change notice and implementation tasks
- Implement changes
- Create a variance
- View the change monitor



Prerequisites

- WBT-3720-0 Locate and View Information with Windchill PDMLink 10.1 or equivalent
- Basic understanding of product development processes and deliverables
- Basic browser and Web navigation skills

Audience

- This course is intended for any user that needs to report problems and interact with product change information in Windchill. People in related roles will also benefit from taking this course.

Table of Contents

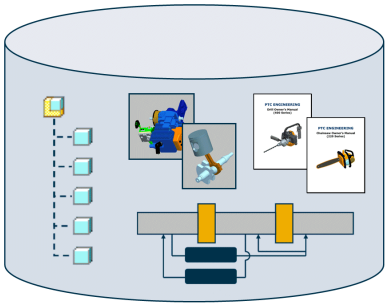
Module	1	Introduction to the Change Process
Module	2	Creating Change Requests
Module	3	Creating Change Notices
Module	4	Implementing Changes
Module	5	Variances

PTC university

Work Management with Windchill PDMLink 10.1

Overview

Course Code	WBT-3714–0
Course Length	2 Hours

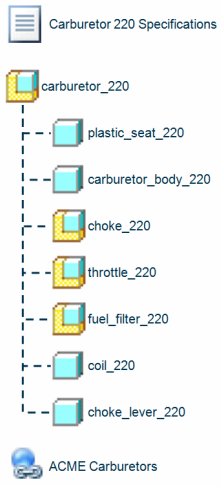


In this course, you will learn how to manage your work. This course constitutes a comprehensive review of common Windchill tasks. In addition, the content is built to support topic-based course configurations. You will explore the Windchill communication and collaboration mechanism including packages. You will also learn how to participate in Windchill processes and how to manage your tasks. Other miscellaneous topics include managing user preferences, and performing common tasks such as Move, Save As, and Rename. After completing the course, you will be prepared to perform common Windchill tasks, as well as have a better understanding of the Windchill system implementation at your company.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Manage your work environment
- Identify Windchill communication and collaboration tools
- Manage Windchill packages
- Participate in workflow processes
- Manage user preferences
- Perform common Windchill tasks



Prerequisites

- Basic Windchill 10.1 understanding

Audience

- This course is intended for any user who needs to learn about common tasks performed in Windchill

Table of Contents

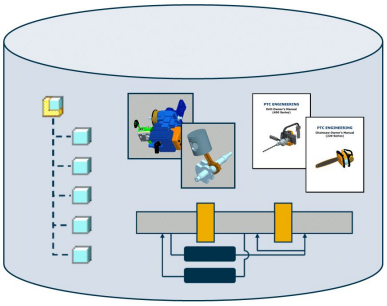
Module	1	Managing Your Work
Module	2	Communication and Collaboration
Module	3	Participating in Processes
Module	4	Performing Common Tasks
Module	5	Managing Windchill Packages

PTC university

Windchill PDMLink 10.1 and Windchill ProjectLink 10.1 Interoperability

Overview

Course Code	WBT-3719-0
Course Length	1 Hour



In this Windchill PDMLink 10.1 and Windchill ProjectLink 10.1 interoperability course, you will explore concepts that will help you understand the advantages of the integrated Windchill PDMLink and Windchill ProjectLink environment. You will explore the environment and learn how to send Windchill PDMLink data to a project, and how to send Windchill ProjectLink data to a Windchill PDMLink context. Also, you will learn how to use context networks to share data and enable searches across application contexts.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understanding the PDMLink and ProjectLink integrated environment
- Navigating within the PDMLink and ProjectLink integrated environment
- Using PDMLink data in projects
- Sharing objects between PDMLink and ProjectLink
- Performing a PDMLink check out from a product to a project
- Using ProjectLink data in PDMLink
- Adding projects to Windchill networks

Prerequisites

- Working knowledge of Windchill ProjectLink
- Completion of any one of the following courses:
    - Introduction to Windchill PDMLink 10.1 for Light Users
    - Introduction to Windchill PDMLink 10.1 for Heavy Users
    - Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- The target audience for this course consists of users who will be using an integrated environment and already understand how to use both Windchill PDMLink and Windchill ProjectLink.

Table of Contents

Module	1	Introduction to the Integrated Environment
Module	2	Using Windchill PDMLink Data in Windchill ProjectLink Projects
Module	3	Using Windchill ProjectLink Data in Windchill PDMLink

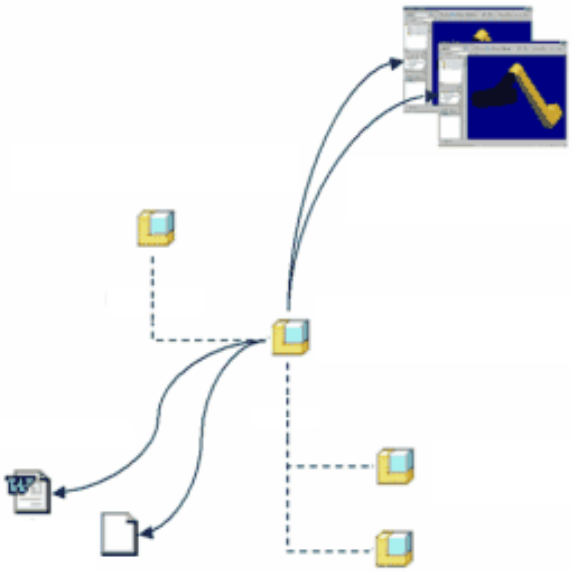
PTC university

Business Administration Overview of Windchill PDMLink 10.1

Overview

Course Code	WBT-3750-0
Course Length	0 Hour

In this course, you will learn about Windchill PDMLink capabilities and terminology, the role of the Business Administrator in managing the Windchill PDMLink business environment, and the steps required to plan the implementation of Windchill PDMLink at your company., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Explain the role of the Business Administrator
- Define terminology
- Identify the data to be managed
- Understand the processes involved in defining your business environment
- Plan the implementation strategy for your business environment

Prerequisites

- Locate and View Information with Windchill PDMLink 10.1

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members and those with general Windchill PDMLink administration responsibilities, will also benefit from taking this course.

Table of Contents

Module 1 Introduction to Windchill Business Administration

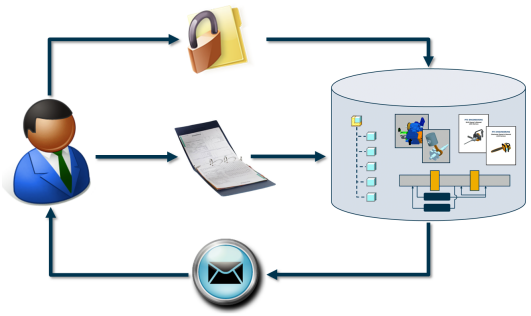
PTC university

User and Policy Administration of Windchill PDMLink 10.1

Overview

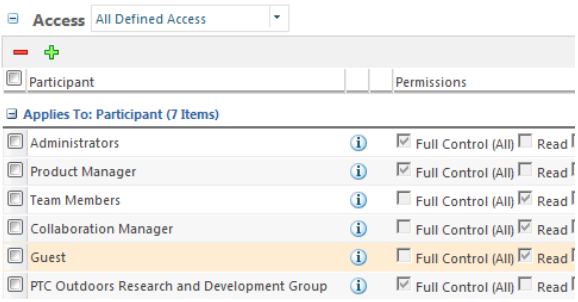
Course Code	WBT-3751-0
Course Length	3 Hours

In this course, you will learn how to administer users, groups, domains, teams, and access control in Windchill PDMLink., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Create and manage user accounts and groups
- Identify best practices for managing organizations, groups, and user accounts
- Understand the Windchill domain policy architecture
- Define access control policies
- Identify individual access control permissions
- Administer and troubleshoot access control lists
- Define notification policies
- Define indexing policies
- Use Context Teams to apply access control
- Use Context Teams and team templates to conduct workflow role resolution



Prerequisites

- Business Administration Overview of Windchill PDMLink 10.1

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members and those with general Windchill PDMLink administration responsibilities, will also benefit from taking this course.

Table of Contents

Module	1	Managing Participants
Module	2	Managing Domain Policies and Access Control
Module	3	Managing Teams

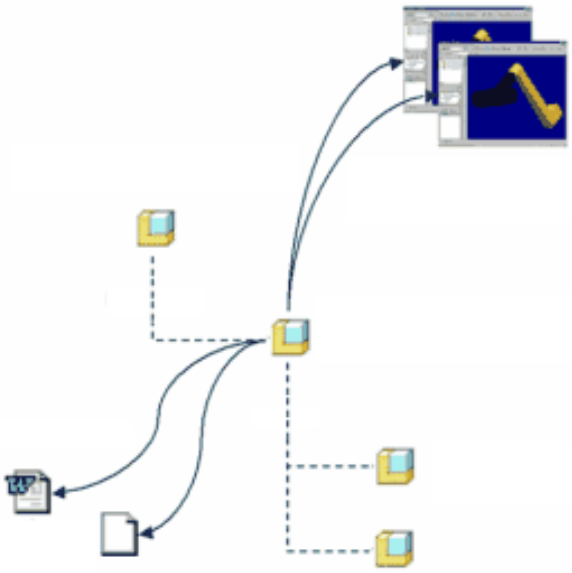
PTC university

Data and Context Administration of Windchill PDMLink 10.1

Overview

Course Code	WBT-3752-0
Course Length	3.5 Hours

In this course, you will learn how to perform basic Windchill PDMLink administration tasks. You will learn the various Windchill storage containers, such as the site context, library contexts, and product contexts. You will create these contexts and store objects in them. You will also learn how to create new object types and modify the functionality of existing types in these contexts, enabling them to have extra attributes or to set attributes automatically upon object initialization., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Identify contexts and their relationships
- Assign context creators
- Create and manage contexts
- Identify Windchill object names and their corresponding object type class names
- Create Global Attributes
- Add attributes to a Windchill Type
- Create a Windchill Type
- Identify and set object initialization rules
- Implement custom versioning sequences
- Create and manage document templates within product, library, and organization contexts
- Identify how to create CAD document templates
- Create product and library context templates
- Use ModelCHECK validation during Check In
- Administer administrator-saved searches
- Administer user profiles
- Administer Windchill views
- Administer calendar functions
- Administer organization preferences

- Identify the report manager functions
- Identify visualization publishing controls
- Identify purge manager functions
- Audit system events

Prerequisites

- Business Administration Overview of Windchill PDMLink 10.1

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members and those with general Windchill PDMLink administration responsibilities, will also benefit from taking this course.

Table of Contents

Module	1	Managing Contexts
Module	2	Managing Objects, Object Types, and Object Attributes
Module	3	Managing Object Type Behavior
Module	4	Managing Organization Templates
Module	5	Administrative Support Tools

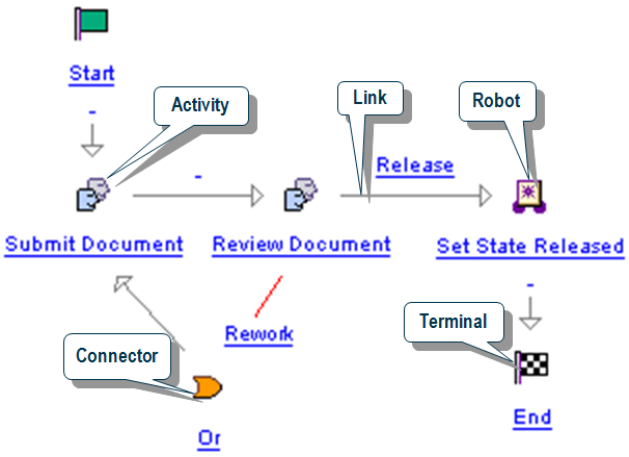
PTC university

Process Administration for Windchill PDMLink 10.1

Overview

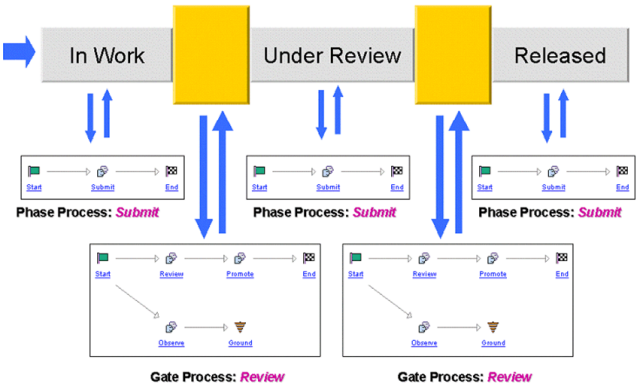
Course Code	WBT-3753-0
Course Length	2.5 Hours

In this course, you will learn about the administrative objects that control object state. First, you will learn about Life Cycle Templates, which define the states of objects. Then, you will learn about the technologies that are commonly used to promote an object from state to state, including Workflow Templates, Promotion Requests, and Change Management., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Create and define life cycle and workflow templates
- Associate life cycle and workflow templates
- Identify the promotion review and approval processes
- Identify the pre-configured Windchill change management functions
- Access business metrics from Change Monitor reports.



Prerequisites

- Business Administration Overview of Windchill PDMLink 10.1

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members and those with general Windchill PDMLink administration responsibilities, will also benefit from taking this course.

Table of Contents

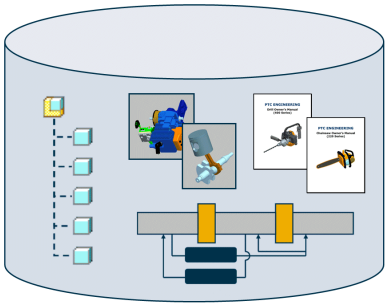
Module	1	Automating Processes Using Life Cycles and Workflows
Module	2	Implementing Promotion and Change Processes

PTC university

Creo Parametric Data Administration in Windchill 10.1

Overview

Course Code	WBT-3766-0
Course Length	8 Hours



This course constitutes a comprehensive review of configuring Creo Parametric with Windchill. In addition, the content is built to support topic-based course configurations.

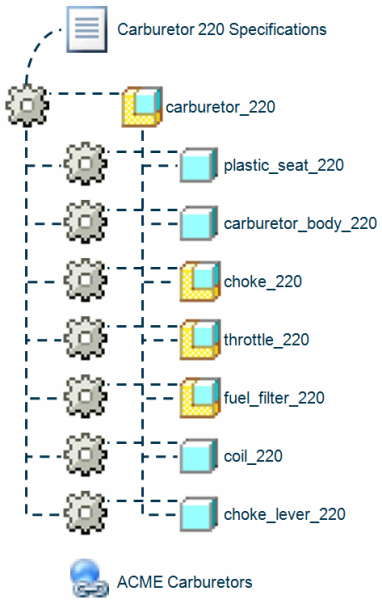
After completing this course, you will be prepared to configure Creo Parametric to work in a Windchill environment. You will also have a basic understanding of the Creo Parametric and Windchill architectures.

In this course, you will learn key capabilities and features of configuring Creo Parametric to work with Windchill, such as the Windchill architecture that is used to support Creo Parametric. Additionally, you will be taught about Creo Parametric configuration files and options, and preferences in Windchill that together configure your working environment for the management of your Creo Parametric CAD documents.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics .

Course Objectives

- Understand the Windchill Workgroup Manager Architecture
- Use and edit Creo Parametric Startup Files (PSF)
- Use configuration elements to configure Creo Parametric to work with Windchill
- Configure Windchill Workgroup Manager Preferences in Windchill
- Map Creo Parametric parameters to Windchill Attributes



Prerequisites

- Locate and View Information with Windchill 10.1 or equivalent
- Basic understanding of Creo Parametric

Audience

- This course is intended for System Administrators and end users

Table of Contents

Module 1 Creo Parametric Data Administration

PTC university

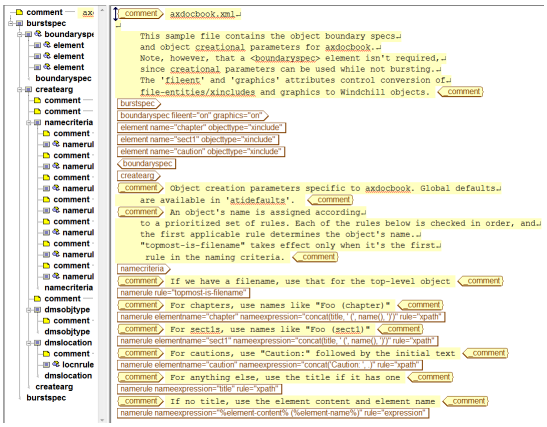
Arbortext Data Administration in Windchill 10.1

Overview

Course Code	WBT-3767-0
Course Length	1 Hour

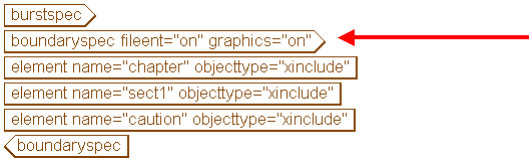
In this course, you will learn how to configure some components of Arbortext Integration to connect Arbortext Editor to Arbortext Content Manager. You will understand the purpose of a process called bursting, and you will learn the system components, architecture, and files used for that process. You will gain knowledge of configuring bursting rules to create and use dynamic document structures within Arbortext Content Manager. Finally, you will learn how to configure Arbortext Publishing Engine for use with Windchill Visualization Services.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Define bursting and identify its purpose in Arbortext Content Manager
- Develop a bursting strategy based upon the needs of your organization
- Configure and manage Arbortext Integration to enable the bursting process
- Understand the requirements to achieve a successful bursting configuration
- Create and configure bursting rule configuration files to manage the bursting process
- Configure Arbortext Publishing Engine for use with Windchill Visualization Services



Prerequisites

- Introduction to Arbortext Content Manager

Audience

- This course is intended for business administrators, system administrators, and project team leaders who need to configure Arbortext Content Manager bursting. Implementation team members, including user adoption team members and those with general Windchill ACM administration responsibilities, will also benefit from taking this course.

Table of Contents

Module 1 Managing Document Bursting

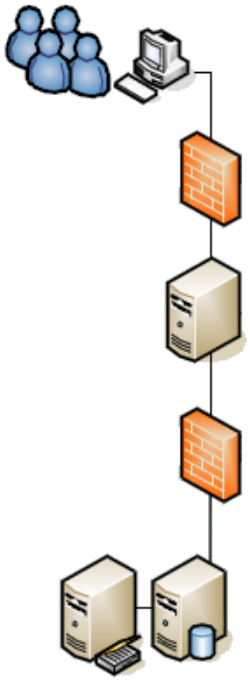
PTC university

System Administration Overview of Windchill 10.1

Overview

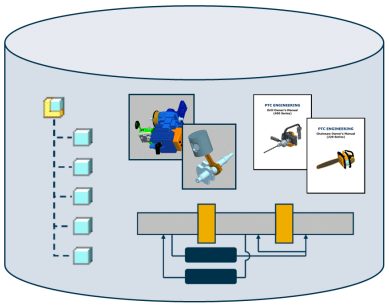
Course Code	WBT-3769-0
Course Length	0.5 Hour

In this course, you will identify Windchill system components. You will learn about the Windchill system architecture and how various Windchill components (such as the Web server, the Windchill servers, and the database) interact., and At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.



Course Objectives

- Introduction to Windchill architecture
- Advantages of 3-tier system architecture
- Identify required system components
- Identify Windchill optional components



Prerequisites

- None

Audience

- This training course is intended for System Administrators and Application Developers.

Table of Contents

Module 1 Windchill System Architecture Overview

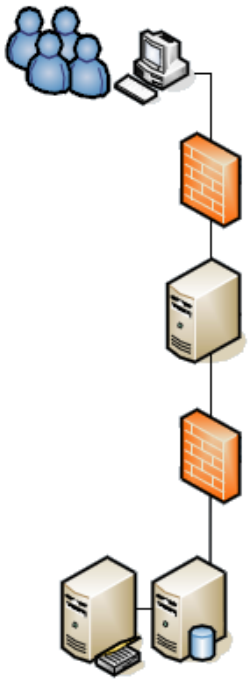
PTC university

Installation and Configuration of Windchill 10.1

Overview

Course Code	WBT-3770-0
Course Length	2 hours

In this course, you will learn how to plan your Windchill installation. You will then learn how to install and configure Windchill system components, including Apache Web server, Oracle database, and a Windchill solution, as well as learn how to install and configure Creo visualization adapters and a CAD worker. Additionally, you will configure your system for external file storage and set up file vaulting. Finally, you will implement content replication by installing and configuring a Windchill file server to support a distributed environment. Additional topics include setting up replication vaults, replication rules, and replications schedules., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Plan Windchill installation
- Identify Windchill installation requirements
- Install and configure a Windchill solution
- Install Creo visualization adapters and configure a CAD worker
- Identify Windchill file vaulting and replication architecture
- Create master file vaults and vaulting rules
- Install and configure a Windchill file server
- Configure replication vaults
- Create replication rules and schedules

Prerequisites

- System Administration Overview of Windchill 10.1

Audience

- This training course is intended for System Administrators and Application Developers. People in related roles will also benefit from taking this course.

Table of Contents

Module	1	Planning Windchill Installation
Module	2	Installing Windchill Components
Module	3	File Vaulting and Replication Overview
Module	4	Implementing File Vaults
Module	5	Implementing Content Replication

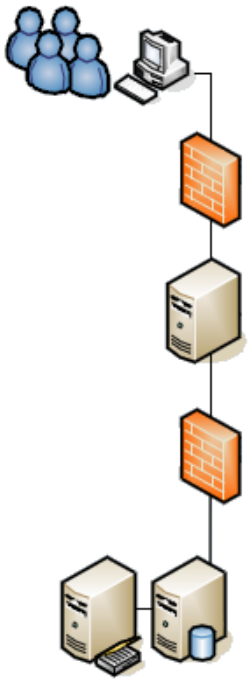
PTC® university

Performance Tuning of Windchill 10.1

Overview

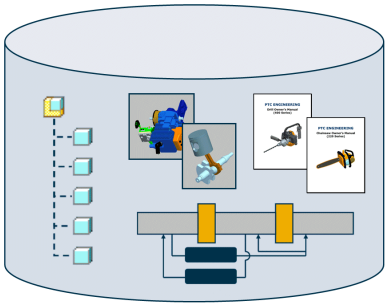
Course Code	WBT-3771-0
Course Length	2.5 hours

In this course, you will learn how to optimize various Windchill components for performance. You will identify and modify various Windchill configuration property settings, as well as learn how to allocate additional memory to Windchill components and effectively manage Windchill cache. Additionally, you will learn how to manage Windchill background queues and improve their performance. You will also implement Windchill workflow queue pooling to boost workflow performance. Finally, you will use Windchill Configuration Assistant to modify Windchill settings and configure multiple Windchill servers, including background method servers., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Tune Windchill components for performance
- Allocate resources to Windchill components
- Modify settings using the Windchill Configuration Assistant
- Identify system administration utilities
- Manage Windchill property files
- Manage background queues
- Configure multiple method servers
- Set Windchill cache sizes
- Identify WAN performance optimizing options
- Set up workflow queue pooling
- Identify Oracle storage structure
- Tune Oracle database for performance



Prerequisites

- System Administration Overview of Windchill 10.1

Audience

- This training course is intended for System Administrators and Application Developers. People in related roles will also benefit from taking this course.

Table of Contents

Module	1	Managing Windchill Properties
Module	2	Tuning Windchill Server
Module	3	Managing Background Queues
Module	4	Tuning Workflow Processes
Module	5	Oracle Database Management

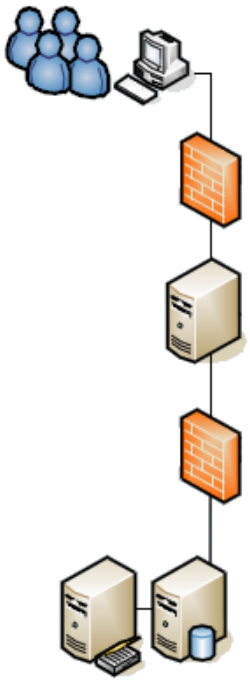
PTC university

Backup and Recovery of Windchill 10.1

Overview

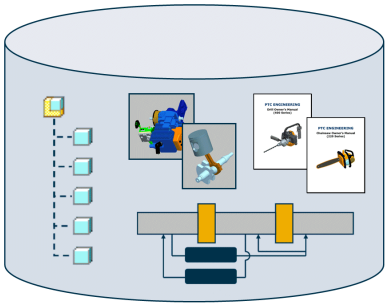
Course Code	WBT-3772-0
Course Length	0.5 hour

In this course, you will identify Windchill backup and recovery architecture and learn how to backup your Windchill system. Specifically, you will learn how to perform a hot and a cold backup of Windchill components, including Web server, Oracle database, Windchill application server, and Windchill Directory Server. Additionally, you will learn how to perform a system recovery in case of a disaster., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Identify Windchill backup and recovery architecture
- Perform a cold backup
- Perform a hot backup
- Perform system recovery
- Implement Oracle suggested backup strategy
- Enable Oracle archive log
- Manage file vault and replica vault backups
- Suspend and enable background queues
- Backup and restore directory server
- Rebuild LDAP indexes
- Export and import LDAP information



Prerequisites

- System Administration Overview of Windchill 10.1

Audience

- This training course is intended for System Administrators and Application Developers. People in related roles will also benefit from taking this course.

Table of Contents

Module 1 Windchill Backup and Recovery

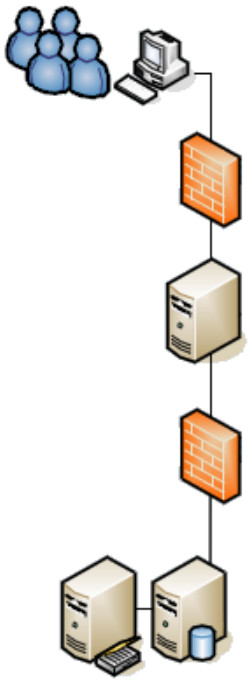
PTC university

System Monitoring and Maintenance of Windchill 10.1

Overview

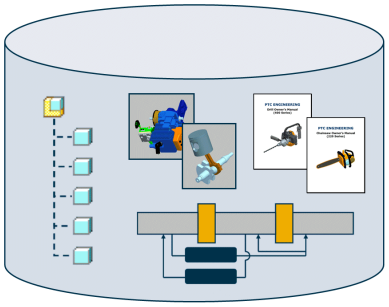
Course Code	WBT-3773-0
Course Length	2 hours

In this course, you will learn about the overall Windchill system monitoring and maintenance mechanism. Specifically, you will focus on the daily, weekly, and monthly system maintenance tasks required by the Windchill system administrators. You will also learn how to manage Windchill log files, database alerts, and system services. Additionally, you will learn how to properly start and stop Windchill component services., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.



Course Objectives

- Start and stop Windchill services
- Automate Windchill services
- Identify Windchill log files
- Set up Oracle alerts
- Manage Web Server and directory server Logs
- Identify and perform daily, weekly, and monthly maintenance tasks
- Run system health checks
- Monitor system performance
- Perform database maintenance
- Rebuild LDAP indexes



Prerequisites

- System Administration Overview of Windchill 10.1

Audience

- This training course is intended for System Administrators and Application Developers. People in related roles will also benefit from taking this course.

Table of Contents

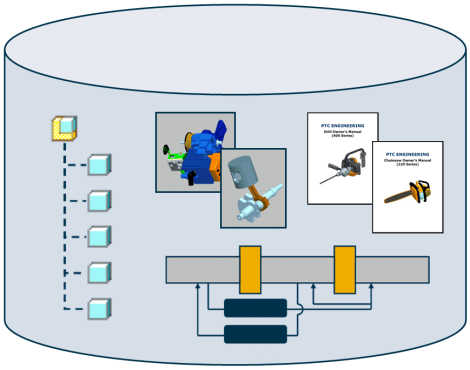
Module	1	Managing Windchill Services
Module	2	Managing Log Files and Alerts
Module	3	System Monitoring — Daily Tasks
Module	4	System Monitoring — Weekly Tasks
Module	5	System Monitoring — Monthly Tasks

PTC university

ECAD Data Administration in Windchill PDMLink 10.1

Overview

Course Code	WBT-3774–0
Course Length	1 Hour

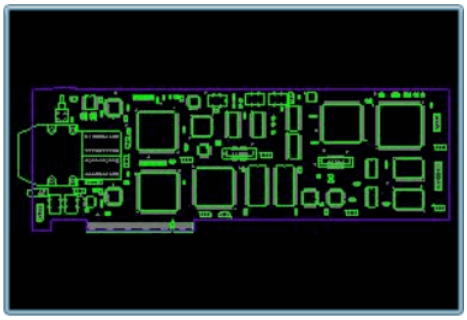


In this course, you will learn how to set up an ECAD environment in Windchill. You will learn how to install and configure the Windchill Workgroup Manager on client machines. You will learn how to create templates for schematic designs, PCB layouts, and manufacturing data. Finally, you learn how to use the Windchill Workgroup Manager hooks to automate certain processes.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify ECAD administration process
- Install and configure the Windchill Workgroup Manager
- Create BOM attribute maps
- Create content definitions for derived objects
- Create ECAD templates for schematic designs, PCB layouts, and derived data
- Create templates for manufacturing data and fabrication drawings
- Create and use Windchill Workgroup Manager hooks and hook definitions
- Manage user preferences



Prerequisites

- None

Audience

- This course is intended for Windchill administrators and power users who are setting up the ECAD environment for end users. People in related roles will also benefit from taking this course.

Table of Contents

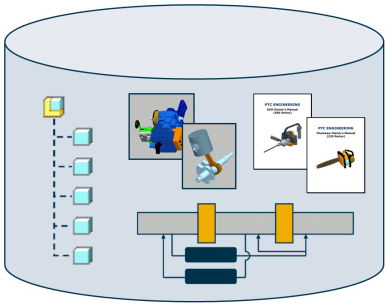
Module 1 ECAD Data Administration

PTC university

Windchill PDMLink 10.1 for Information Viewers

Overview

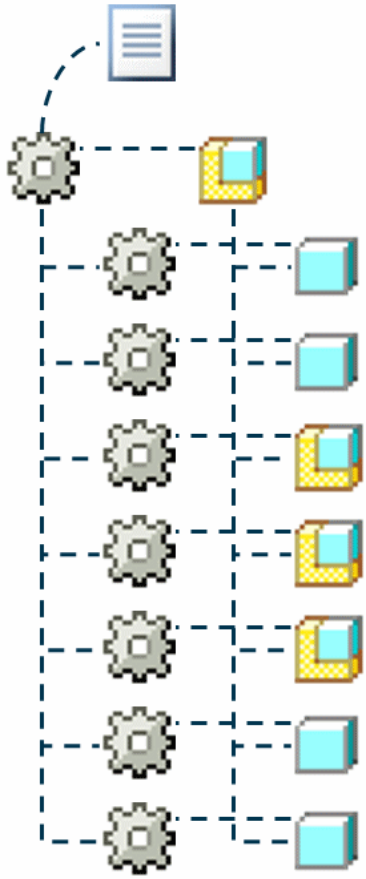
Course Code	WBT-3780-0
Course Length	4 hours



This course is designed for users who need to access the Windchill PDMLink system to view information or use product information in making business decisions. After completing the course, you will be able to locate and view information in Windchill PDMLink and have a better understanding of how to use the Windchill PDMLink system., In this course, you will learn how to complete basic functions to navigate and view information within Windchill PDMLink. You will learn how to access and navigate the Windchill PDMLink environment, view product, change, and package information, use Windchill PDMLink's visualization tools, create problem reports, collaborate with other users in the system, and configure your Windchill environment., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Understand and use Windchill visualization
- Understand the Windchill change objects
- Create problem reports
- View Windchill change processes
- Collaborate with other users
- Configure your Windchill environment



Prerequisites

- None

Audience

- This course is intended for end users

Table of Contents

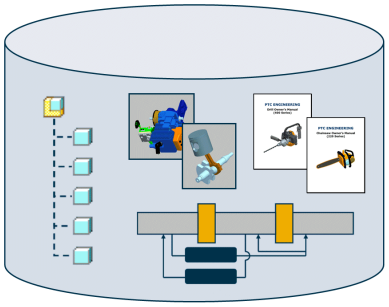
Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Introduction to Visualization
Module	4	Getting Around in Creo Elements/View
Module	5	Viewing and Interrogating Models
Module	6	Change Management Using Windchill

PTC university

Windchill PDMLink 10.1 for Reviewers and Approvers

Overview

Course Code	WBT-3781-0
Course Length	5 Hours



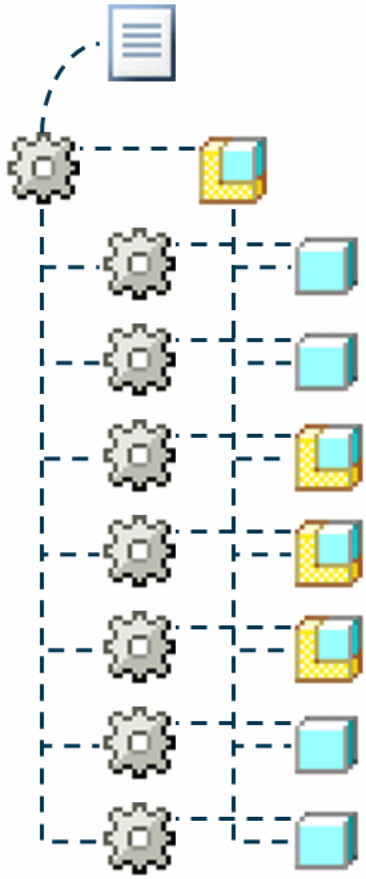
This course is designed for users who need to access the Windchill PDMLink system to review and approve product information. After completing the course, you will be able to locate and view product information including structures, related documents, and change management information. You will also be able to participate in the change process, update and markup documents, structures, and 3-D models and representations, and have a better understanding of how to use the Windchill PDMLink system.

In this course, you will learn how to complete basic functions to navigate, view, and approve information within Windchill PDMLink. You will learn how to access and navigate the Windchill PDMLink environment, view product, change, and package information, use Windchill PDMLink's visualization tools, use change and configuration management features, collaborate with other users in the system, and configure your Windchill environment.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate product and document information
- View product and document information
- Collaborate with other users
- View and participate in Windchill review and approval processes
- Configure your Windchill environment
- Create, manage and manipulate standard documents
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change objects
- Create problem reports
- Create problem report, change requests, and change notices
- View and participate in Windchill change processes



Prerequisites

- None

Audience

- This course is intended for end users

Table of Contents

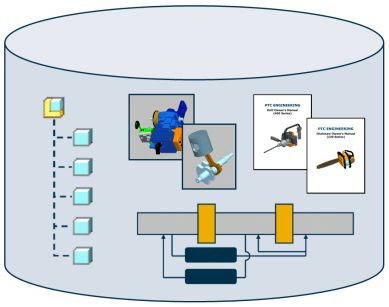
Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Creating Documents and Links
Module	4	Modifying and Managing Documents
Module	5	Introduction to Visualization
Module	6	Getting Around in Creo Elements/View
Module	7	Viewing and Interrogating Models
Module	8	Deconstructing a Creo Elements/View Model
Module	9	Working with Components
Module	10	Viewing Drawings, Images, and Documents
Module	11	Working with Markups and Annotation Sets
Module	12	Working with Construction Geometry
Module	13	Introduction to the Change Process
Module	14	Creating Change Requests
Module	15	Creating Change Notices
Module	16	Implementing Changes
Module	17	Variances
Module	18	Introduction to Product Structure Management
Module	19	Viewing Product Structures
Module	20	Creating Product Structures
Module	21	Managing Product Structures
Module	22	Managing Structure Filters

PTC university

Windchill PDMLink 10.1 for Creo Parametric Users

Overview

Course Code	WBT-3782-0
Course Length	15 Hours



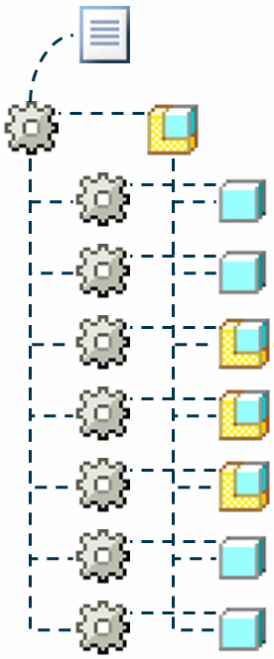
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage Creo CAD data, product structures, and documents. In addition, you will be taught how to use Windchill visualization and Windchill Change Management. Your focus will be on the day-to-day Windchill activities required by the Creo Parametric user community.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the course topics and form the basis for review of any topics, if necessary.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change management system
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of Creo Parametric

Audience

- This course is intended for end users and System Administrators.
- The topics in this course are also available as Web-based training courses.

Table of Contents

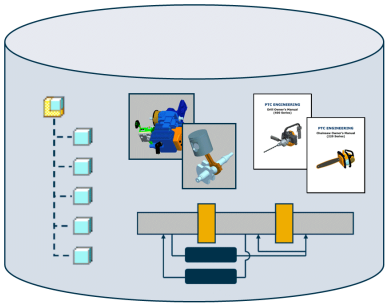
Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Getting Started with Creo Parametric Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Data
Module	7	Understanding File Relationships and Dependencies
Module	8	Managing Family Tables
Module	9	Managing Workspace Data
Module	10	Introduction to Product Structure Management
Module	11	Viewing Product Structures
Module	12	Creating Product Structures
Module	13	Managing Product Structures
Module	14	Managing Structure Filters
Module	15	Managing Configurations and Instances
Module	16	Managing Parts in Product Structure Explorer
Module	17	Introduction to Visualization
Module	18	Getting Around in Creo Elements/View
Module	19	Viewing and Interrogating Models
Module	20	Deconstructing a Creo Elements/View Model
Module	21	Working with Components
Module	22	Viewing Drawings, Images, and Documents
Module	23	Working with Markups and Annotation Sets
Module	24	Working with Construction Geometry
Module	25	Change Management Using Windchill

PTC university

Windchill PDMLink 10.1 for CATIA Users

Overview

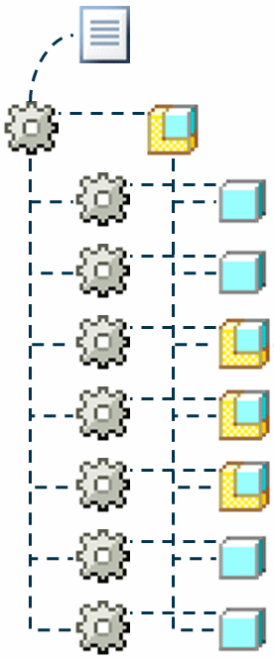
Course Code	WBT-3784-0
Course Length	16 hours



After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes., In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage CATIA CAD data, product structures, and documents. In addition, you will be taught how to use Windchill visualization and Windchill Change Management. Your focus will be on the day-to-day Windchill activities required by the CATIA user community., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change management system
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of CATIA V5

Audience

- This course is intended for end users and System Administrators

Table of Contents

Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Getting Started with CAD Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Data
Module	7	Managing Family Tables
Module	8	Introduction to Product Structure Management
Module	9	Viewing Product Structures
Module	10	Creating Product Structures
Module	11	Managing Product Structures
Module	12	Managing Structure Filters
Module	13	Managing Configurations and Instances
Module	14	Managing Parts in Product Structure Explorer
Module	15	Introduction to Visualization
Module	16	Getting Around in Creo Elements/View
Module	17	Viewing and Interrogating Models
Module	18	Deconstructing a Creo Elements/View Model
Module	19	Working with Components
Module	20	Viewing Drawings, Images, and Documents
Module	21	Working with Markups and Annotation Sets
Module	22	Working with Construction Geometry
Module	23	Change Management Using Windchill

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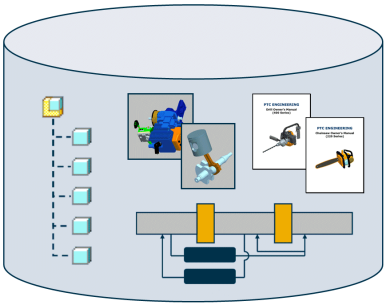
Windchill PDMLink 10.1 for NX Users

Overview

Course Code	WBT-3785-0
Course Length	16 hours



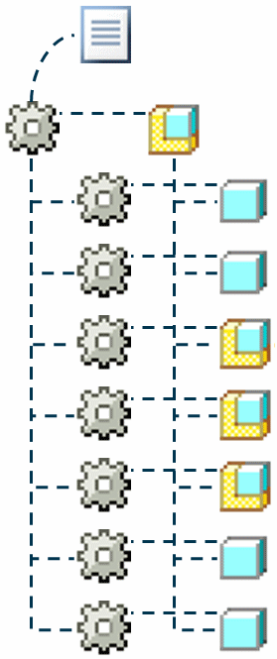
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage NX CAD data, product structures, and documents. In addition, you will be taught how to use Windchill visualization and Windchill Change Management. Your focus will be on the day-to-day Windchill activities required by the NX user community.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change management system
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of NX

Audience

- This course is intended for end users and System Administrators

Table of Contents

Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Getting Started with CAD Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Data
Module	7	Managing Family Tables
Module	8	Introduction to Product Structure Management
Module	9	Viewing Product Structures
Module	10	Creating Product Structures
Module	11	Managing Product Structures
Module	12	Managing Structure Filters
Module	13	Managing Configurations and Instances
Module	14	Managing Parts in Product Structure Explorer
Module	15	Introduction to Visualization
Module	16	Getting Around in Creo Elements/View
Module	17	Viewing and Interrogating Models
Module	18	Deconstructing a Creo Elements/View Model
Module	19	Working with Components
Module	20	Viewing Drawings, Images, and Documents
Module	21	Working with Markups and Annotation Sets
Module	22	Working with Construction Geometry
Module	23	Change Management Using Windchill

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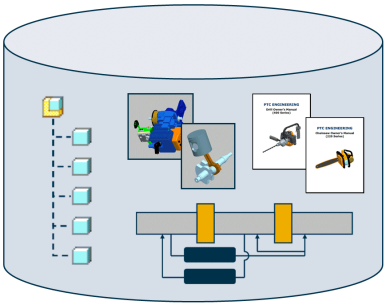
Windchill PDMLink 10.1 for SolidWorks Users

Overview

Course Code	WBT-3786-0
Course Length	16 hours



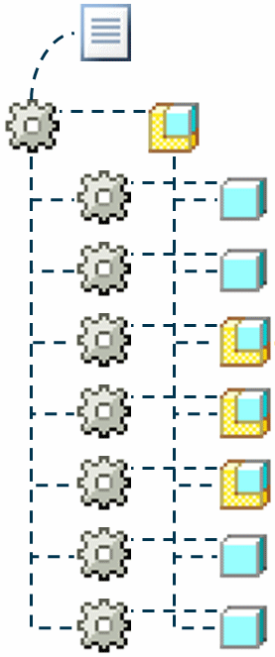
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage SolidWorks CAD data, product structures, and documents. In addition, you will be taught how to use Windchill visualization and Windchill Change Management. Your focus will be on the day-to-day Windchill activities required by the SolidWorks user community.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change management system
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of SolidWorks

Audience

- This course is intended for end users and System Administrators

Table of Contents

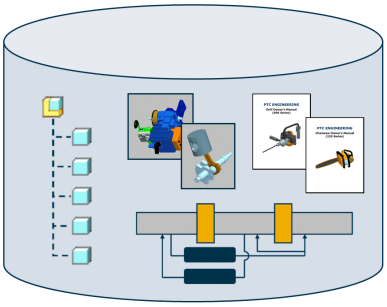
Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Getting Started with CAD Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Data
Module	7	Managing Family Tables
Module	8	Introduction to Product Structure Management
Module	9	Viewing Product Structures
Module	10	Creating Product Structures
Module	11	Managing Product Structures
Module	12	Managing Structure Filters
Module	13	Managing Configurations and Instances
Module	14	Managing Parts in Product Structure Explorer
Module	15	Introduction to Visualization
Module	16	Getting Around in Creo Elements/View
Module	17	Viewing and Interrogating Models
Module	18	Deconstructing a Creo Elements/View Model
Module	19	Working with Components
Module	20	Viewing Drawings, Images, and Documents
Module	21	Working with Markups and Annotation Sets
Module	22	Working with Construction Geometry
Module	23	Change Management Using Windchill

PTC university

Windchill PDMLink 10.1 for AutoCAD Users

Overview

Course Code	WBT-3787-0
Course Length	15 hours



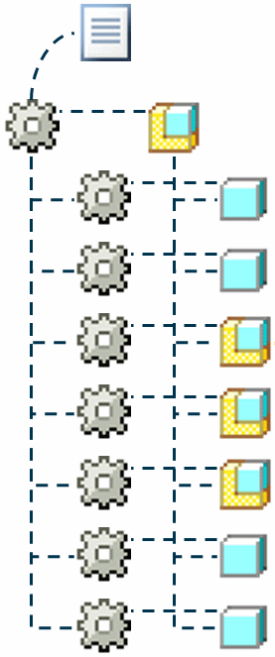
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage AutoCAD CAD data, product structures, and documents. In addition, you will be taught how to use Windchill visualization and Windchill Change Management. Your focus will be on the day-to-day Windchill activities required by the AutoCAD user community.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change management system
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of AutoCAD

Audience

- This course is intended for end users and System Administrators

Table of Contents

Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Getting Started with CAD Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Data
Module	7	Introduction to Product Structure Management
Module	8	Viewing Product Structures
Module	9	Creating Product Structures
Module	10	Managing Product Structures
Module	11	Managing Structure Filters
Module	12	Managing Configurations and Instances
Module	13	Managing Parts in Product Structure Explorer
Module	14	Introduction to Visualization
Module	15	Getting Around in Creo Elements/View
Module	16	Viewing and Interrogating Models
Module	17	Deconstructing a Creo Elements/View Model
Module	18	Working with Components
Module	19	Viewing Drawings, Images, and Documents
Module	20	Working with Markups and Annotation Sets
Module	21	Working with Construction Geometry
Module	22	Change Management Using Windchill

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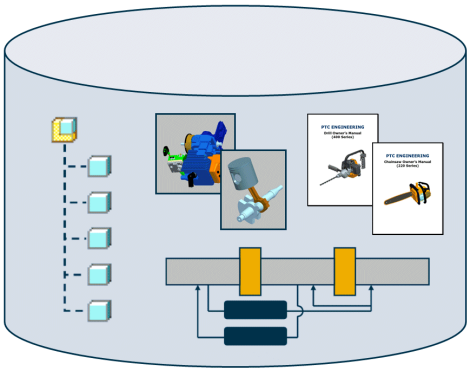
Windchill PDMLink 10.1 for ECAD Users

Overview

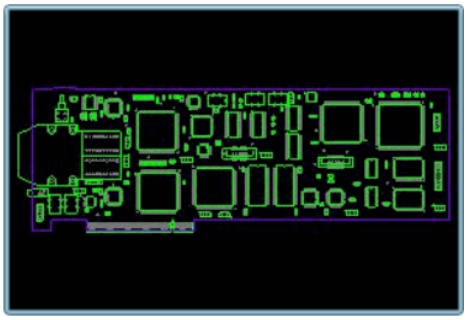
Course Code	WBT-3788-0
Course Length	8 Hours



In this course, you will learn how to perform basic Windchill tasks, such as browsing, searching, and viewing information. You will learn how to create and manage ECAD designs, such as the schematic and PCB layouts, using the Windchill Workgroup Manager. You also learn how to managing ECAD manufacturing files. Finally, you learn how to perform change management in Windchill.

At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives



- Search and view ECAD designs in Windchill
- Create and manage workspaces
- Create and manage schematic designs
- Create and manage PCB layouts
- Generate bill of materials from ECAD designs
- Manage ECAD manufacturing information
- Release ECAD design components
- Initiate and manage change information in Windchill
- Manage standard documents in Windchill

Prerequisites

- None

Audience

- This course is intended for Windchill end users who are viewing, creating, and managing ECAD designs in Windchill. People in related roles will also benefit from taking this course.

Table of Contents

Module	1	Introduction to the Windchill Environment
Module	2	Getting Started with ECAD Data Management
Module	3	Managing Schematic Designs
Module	4	Managing PCB Layout Designs
Module	5	Managing Manufacturing Data
Module	6	Releasing ECAD Designs
Module	7	Change Management using Windchill
Module	8	Performing Common Data Management Tasks
Module	9	Working with Documents using Windchill

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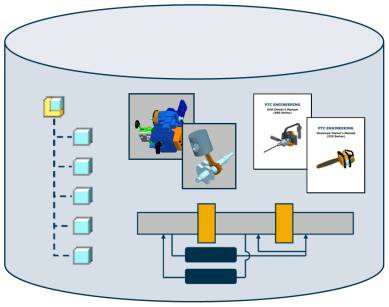
Windchill PDMLink 10.1 for Engineers

Overview

Course Code	WBT-3789-0
Course Length	10 Hours



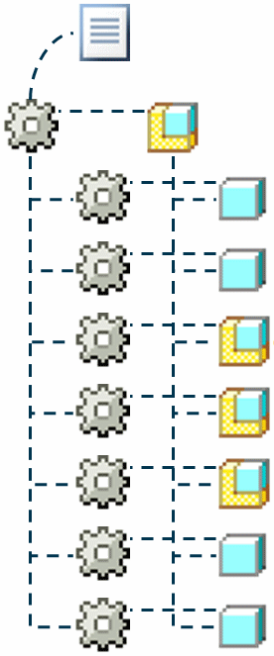
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of PDMLink data management and how to use PDMLink to manage product information. Specifically, you will focus on the day-to-day data management tasks required by the Design Engineer, including how to build and manage product structures, manage documents, participate in the engineering change process, and work with information in PDMLink.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the course topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify components of the Windchill Environment.
- Navigate, locate and view information within Windchill.
- Use Creo View to view and manipulate models, drawings, and images.
- Work with markups and annotation sets.
- Create and build product structures.
- Manage and apply product structure filters.
- Create and manage documents.
- Understand and participate in Windchill's change management system.



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product development processes and deliverables

Audience

- This course is intended for Design Engineers.

Table of Contents

Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Introduction to Product Structure Management
Module	5	Viewing Product Structures
Module	6	Creating Product Structures
Module	7	Managing Product Structures
Module	8	Managing Structure Filters
Module	9	Introduction to Visualization
Module	10	Getting Around in Creo Elements/View
Module	11	Viewing and Interrogating Models
Module	12	Deconstructing a Creo Elements/View Model
Module	13	Working with Components
Module	14	Viewing Drawings, Images, and Documents
Module	15	Working with Markups and Annotation Sets
Module	16	Working with Construction Geometry
Module	17	Change Management Using Windchill
Module	18	Managing Windchill Packages

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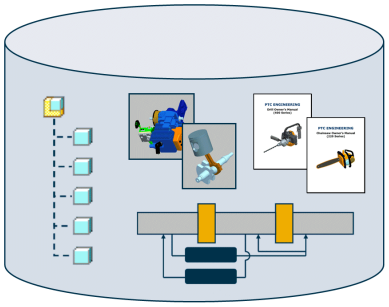
Windchill PDMLink 10.1 for Manufacturing Engineers

Overview

Course Code	WBT-3790–0
Course Length	8 Hours



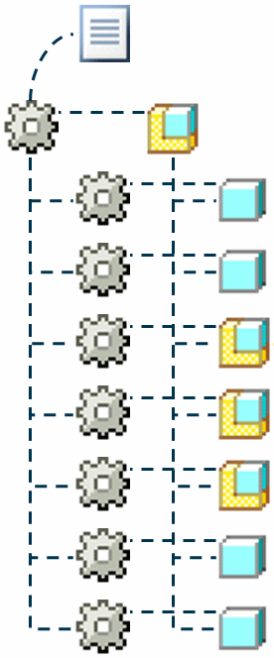
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of PDMLink data management and how to use PDMLink to manage product information. Specifically, you will focus on the day-to-day data management tasks required by the Manufacturing Engineer, including how to build and manage product structures, manage documents, participate in the engineering change process, and work with information in PDMLink.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the course topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify components of the Windchill Environment
- Navigate, locate and view information within Windchill
- Use Creo View to view and manipulate models, drawings, and images
- Work with markups and annotation sets
- Create and build product structures
- Manage and apply product structure filters
- Create and manage documents
- Understand and participate in Windchill's change management system
- Perform common Windchill tasks



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product development processes and deliverables

Audience

- This course is intended for Manufacturing Engineers.

Table of Contents

Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Introduction to Product Structure Management
Module	5	Viewing Product Structures
Module	6	Creating Product Structures
Module	7	Managing Product Structures
Module	8	Managing Structure Filters
Module	9	Managing Configurations and Instances
Module	10	Managing Parts in Product Structure Explorer
Module	11	Introduction to Visualization
Module	12	Getting Around in Creo Elements/View
Module	13	Viewing and Interrogating Models
Module	14	Deconstructing a Creo Elements/View Model
Module	15	Working with Components
Module	16	Viewing Drawings, Images, and Documents
Module	17	Working with Markups and Annotation Sets
Module	18	Working with Construction Geometry
Module	19	Change Management Using Windchill
Module	20	Managing Windchill Packages

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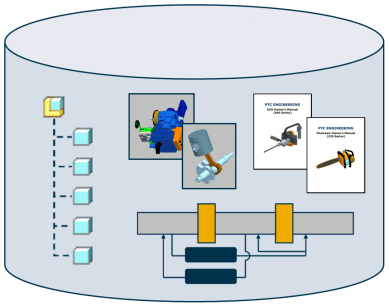
Windchill PDMLink 10.1 for Configuration Managers

Overview

Course Code	WBT-3791–0
Course Length	13 Hours



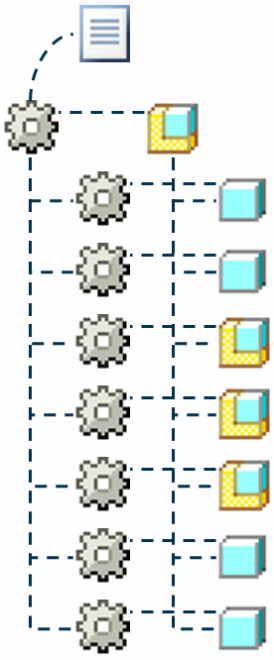
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of PDMLink data management and how to use PDMLink to manage product information. Specifically, you will focus on the day-to-day data management tasks required by the Configuration Manager, including how to build and manage product structures, conduct basic configuration management, manage documents, participate in the engineering change process, and work with information in PDMLink.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the course topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify components of the Windchill Environment
- Navigate, locate and view information within Windchill
- Use Creo View to view and manipulate models, drawings, and images
- Work with markups and annotation sets
- Create and build product structures and product configurations
- Manage and apply product structure filters
- Create and manage documents.
- Understand and participate in Windchill's change management system
- Perform common Windchill tasks



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product development processes and deliverables

Audience

- This course is intended for Configuration Managers.

Table of Contents

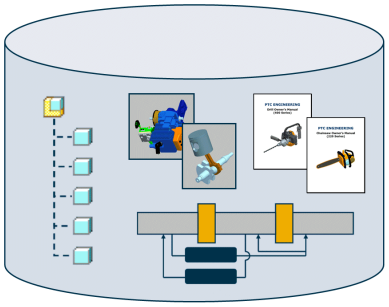
Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Introduction to Product Structure Management
Module	5	Viewing Product Structures
Module	6	Creating Product Structures
Module	7	Managing Product Structures
Module	8	Managing Structure Filters
Module	9	Managing Configurations and Instances
Module	10	Introduction to Visualization
Module	11	Getting Around in Creo Elements/View
Module	12	Viewing and Interrogating Models
Module	13	Deconstructing a Creo Elements/View Model
Module	14	Working with Components
Module	15	Viewing Drawings, Images, and Documents
Module	16	Working with Markups and Annotation Sets
Module	17	Working with Construction Geometry
Module	18	Change Management Using Windchill
Module	19	Managing Windchill Packages

PTC university

Windchill PDMLink 10.1 for Document Editors and Authors

Overview

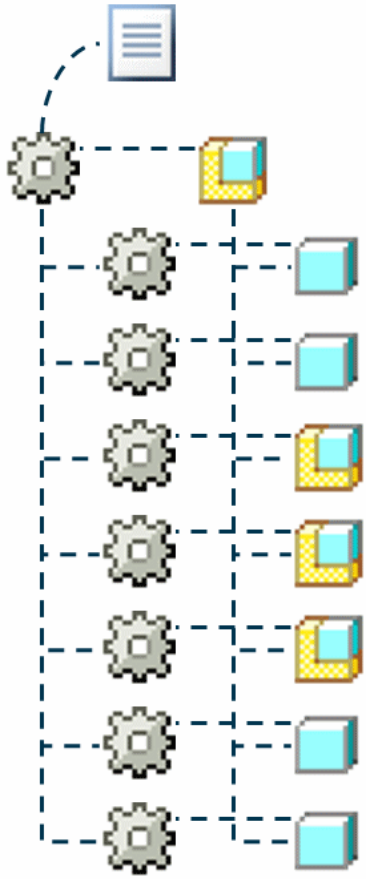
Course Code	WBT-3792-0
Course Length	6 Hours



In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage parts, documents, and your assignments. You will also learn how to use Windchill visualization and Windchill Change Management Promotion Requests. You will focus on the day-to-day Windchill activities required by document editors and authors., After completing this course, you will have a better understanding of Windchill processes and be prepared to complete Windchill PDMLink tasks and activities., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change objects
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of Creo Parametric

Audience

- This course is intended for end users and System Administrators

Table of Contents

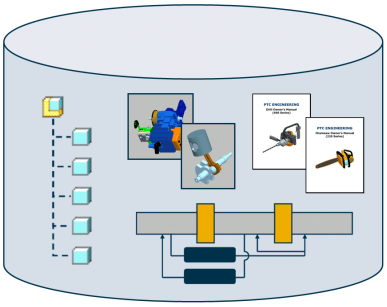
Module	1	Introduction to the Windchill Environment
Module	2	Locating Information
Module	3	Viewing Information
Module	4	Creating Documents and Links
Module	5	Modifying and Managing Documents
Module	6	Introduction to Product Structure Management
Module	7	Managing Your Work
Module	8	Communication and Collaboration
Module	9	Participating in Processes
Module	10	Performing Common Tasks
Module	11	Managing Windchill Packages
Module	12	Introduction to Visualization
Module	13	Getting Around in Creo Elements/View
Module	14	Viewing Drawings, Images, and Documents
Module	15	Introduction to the Change Process

PTC university

Windchill PDMLink 10.1 for Arbortext Document Editors and Authors

Overview

Course Code	WBT-3793-0
Course Length	9 Hours

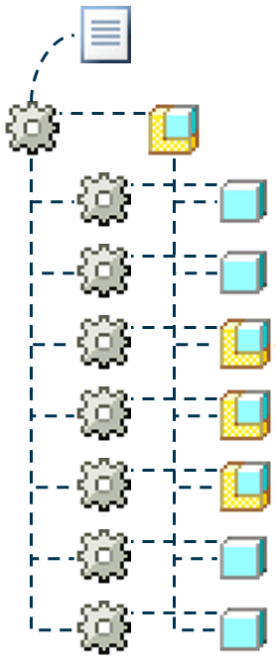


In this course, you will learn key capabilities and features of Windchill PDMLink and how to use Windchill to manage parts, documents, and your assignments. You will also learn how to use Windchill visualization and Windchill Change Management Promotion Requests. In addition, you will learn how to create, modify, and manage Arbortext documents. You will focus on the day-to-day Windchill activities required by document editors and authors. After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities, as well as have a better understanding of the Windchill processes.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Locate design information
- View design information
- Create, manage, and manipulate standard documents
- Create, modify, and manage Arbortext documents
- Manage and manipulate CAD data
- Create, manage, and manipulate product structures
- Understand and use Windchill visualization
- Understand the Windchill change objects
- Create problem report, change requests, and change notices
- View Windchill change processes



Prerequisites

- Working knowledge of Creo Elements/Pro

Audience

- This course is intended for end users and System Administrators. People in related roles will also benefit from taking this course.

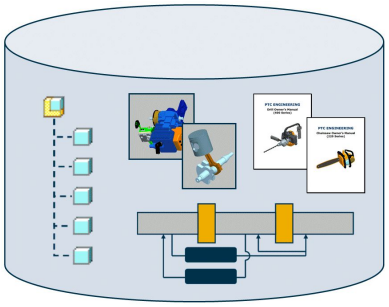
Table of Contents

Module	1	Introduction to the Windchill Environment
Module	2	Locating Information
Module	3	Viewing Information
Module	4	Introduction to Visualization
Module	5	Getting Around in Creo View
Module	6	Viewing Drawings, Images, and Documents
Module	7	Getting Started with Arbortext Integration
Module	8	Sharing Arbortext Documents
Module	9	Modifying Arbortext Documents
Module	10	Managing Dynamic Documents
Module	11	Modifying and Managing Documents
Module	12	Creating Documents and Links
Module	13	Introduction to Product Structure Management
Module	14	Introduction to the Change Process
Module	15	Managing Your Work
Module	16	Communication and Collaboration
Module	17	Participating in Processes
Module	18	Performing Common Tasks

Windchill PDMLink 10.1 for Managers

Overview

Course Code	WBT-3794-0
Course Length	7 Hours



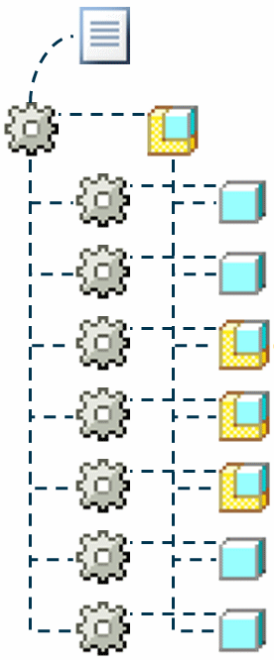
After completing this course, you will be prepared to complete Windchill PDMLink tasks and activities. You will also have a better understanding of Windchill processes.

In this course, you will learn key capabilities and features of PDMLink data management and how to use PDMLink to manage product information. Specifically, you will focus on day-to-day management tasks, including how to view and use product information to make business decisions.

At the end of the course, you will complete a skills assessment. The questions are used to help reinforce your understanding of the course topics and form the basis for review of any topics, if necessary.

Course Objectives

- Identify components of the Windchill Environment
- Navigate, locate and view information within Windchill
- Use Creo View to view and manipulate models, drawings, and images
- Work with markups and annotation sets
- Manage product structures
- Manage and apply product structure filters
- Create and manage documents.
- Understand and participate in Windchill's change management system
- Perform common Windchill tasks



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product development processes and deliverables

Audience

- This course is intended for Managers.

Table of Contents

Module	1	Locating and Viewing Windchill PDMLink Data
Module	2	Common Windchill Activities
Module	3	Working With Documents Using Windchill
Module	4	Introduction to Product Structure Management
Module	5	Viewing Product Structures
Module	6	Managing Product Structures
Module	7	Managing Structure Filters
Module	8	Introduction to Visualization
Module	9	Getting Around in Creo Elements/View
Module	10	Viewing and Interrogating Models
Module	11	Working with Markups and Annotation Sets
Module	12	Change Management Using Windchill

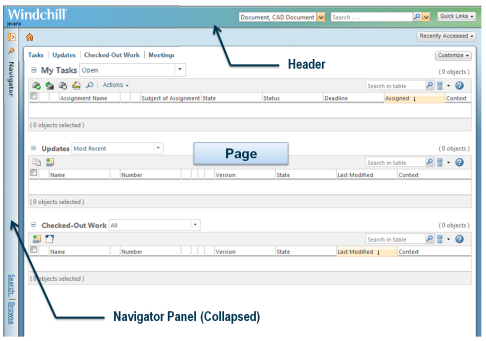
PTC university

Update to Windchill PDMLink 10.1 from Windchill PDMLink 9.0/9.1

Overview

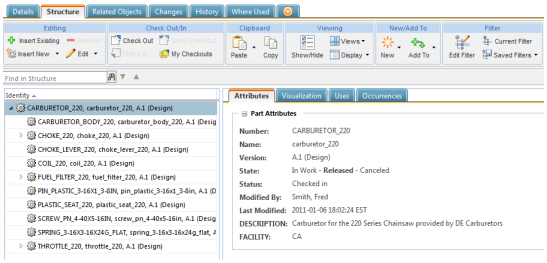
Course Code	WBT-3800-0
Course Length	8 Hours

This course is designed for users who need to update their Windchill knowledge and skills from Windchill PDMLink 9.0 or 9.1 to work in a Windchill PDMLink 10.1 environment. After completing the course, you will be able to identify and use new Windchill PDMLink features and perform common tasks and activities available in Windchill PDMLink 9.0 or 9.1 using the new Windchill PDMLink 10.1 interface., In this course, you will learn about the feature and interface updates to Windchill PDMLink 10.1 from Windchill PDMLink 9.0 and 9.1. You will also learn about general Windchill usability enhancements, new ways to work with Windchill business objects, and specific enhancements for managing documents. Finally, you will learn about changes regarding how you participate in processes, creating and delivering work packages, and updates to change and configuration management., and At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.



Course Objectives

- Describe the updates to the Windchill user interface including the home page, quick links, and Windchill navigator
- Configure your Windchill environment by customizing your home page, context pages, object information pages, and table columns and views
- Locate information by searching or browsing for Windchill objects and navigating through context page options
- Work with objects by using context actions and enhanced management tools such as multi-object edit, the Windchill clipboard, and event manager
- Manage Windchill documents directly from Microsoft Windows Explorer or Microsoft Office using the latest version of desktop integration
- Use the new create and update interfaces available for working with documents
- Describe enhancements when collaborating with others in the Windchill environment
- Review and manage processes and process history
- Manage and reassign workflow tasks, life cycles, and teams
- Create and manage work packages
- Describe enhancements to Windchill change management, including new wizard-based change management forms and being able to use the Windchill collector to quickly find and include related objects in complex dependency operations
- Use the new work items table to manage work being done on changes
- Create and manage variances, including waivers and deviations
- Describe enhancements to the Windchill product structure management, including BOM notes, effectivity processing, structure filtering, structure compare, and configurations and instances
- Explore and use the new Product Structure Browser interface



Prerequisites

- Working knowledge of Windchill PDMLink 9.0 or Windchill PDMLink 9.1

Audience

- This course is designed for users who need to update their Windchill knowledge and skills from Windchill PDMLink 9.0 or 9.1 to work in the Windchill PDMLink 10.1 environment

Table of Contents

Module	1	Windchill Usability Enhancements
Module	2	Working with Objects
Module	3	Document Management Enhancements
Module	4	Collaborating with Others
Module	5	Change Management Enhancements
Module	6	Product Structure Management Enhancements
Module	7	Creo Parametric Data Management Enhancements

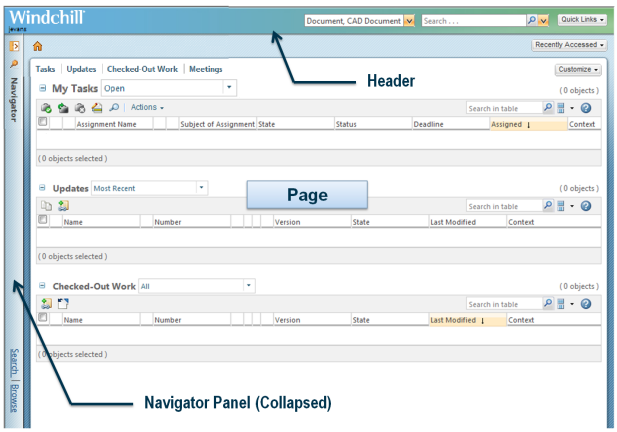
PTC university

Update to Windchill PDMLink 10.1 from Windchill PDMLink 10.0

Overview

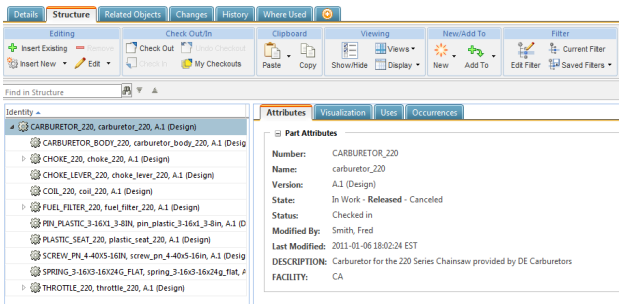
Course Code	WBT-3801-0
Course Length	3 hours

This course is designed for users who need to update their Windchill knowledge and skills from Windchill PDMLink10.0 to work in a Windchill PDMLink 10.1 environment. After completing the course, you will be able to identify and use new Windchill features and perform the common tasks and activities available in Windchill 10.0 using the new Windchill 10.1 interface., In this course, you will learn about the feature and interface updates to Windchill PDMLink 10.1 from Windchill PDMLink 10.0. You will also learn about general Windchill usability enhancements, new ways to work with Windchill business objects, and specific enhancements for managing documents. Finally, you will learn about changes in how you participate in processes, creating and delivering work packages, and updates to change and configuration management., and You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics



Course Objectives

- Describe the updates to the Windchill user interface including the home page and Windchill navigator
- Locate information by searching or browsing for Windchill objects and navigating through context page options
- Manage Windchill documents directly from Microsoft Windows Explorer or Microsoft Office using the latest version of desktop integration
- Understand document effectivity
- Review and manage processes and process history
- Manage and reassign workflow tasks, life cycles, and teams
- Search Windchill for Options and Variant information
- Use the Table Quick entry when creating change management objects
- Use the Relationship explorer
- Identify the CAD Data Management updates



Prerequisites

- Working knowledge of Windchill PDMLink 10.0

Audience

- This course is designed for users who need to update their Windchill knowledge and skills from Windchill PDMLink 10.0 to work in the Windchill PDMLink 10.1 environment.

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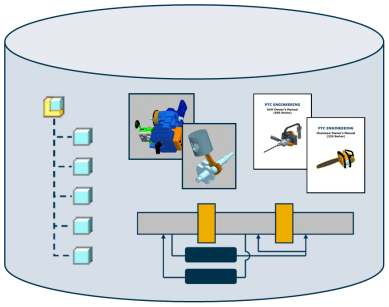
Module 1 Windchill 10.1 Enhancements

PTC university

Introduction to Windchill PDMLink 10.1 for Light Users

Overview

Course Code	WBT-3805–0
Course Length	8 Hours



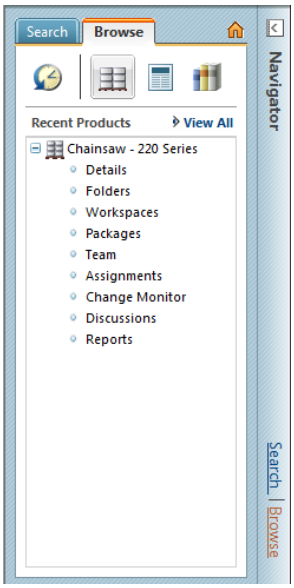
In this course, you will learn how to complete basic functions to navigate and view information within Windchill PDMLink. You will also learn how to access and navigate the Windchill PDMLink environment, view product information, use Windchill PDMLink's visualization tools, manage assigned tasks, and perform basic work management functions.

This course is designed for users who need to access the Windchill PDMLink system to view information, perform system tasks, or use product information in making business decisions. After completing the course, you will be able to complete basic Windchill PDMLink tasks and activities, as well as have a better understanding of how to use the Windchill PDMLink system.

At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the Windchill PDMLink environment and terminology
- Locate product information
- View product information
- Understand visualization concepts and terminology
- Use Creo View Lite to view product information
- Use Windchill PDMLink tools to manage your work
- Participate in Windchill PDMLink processes



Prerequisites

- Basic browser and Web navigation skills

Audience

- This course is intended for users who need to access the Windchill PDMLink system to view information, perform system tasks, or use product information when making business decisions.

Table of Contents

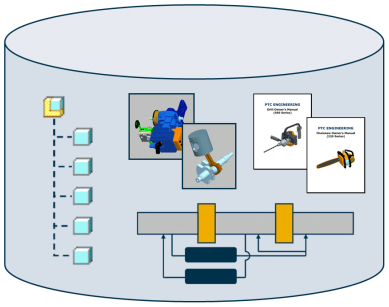
Module	1	Introduction to the Windchill Environment
Module	2	Locating Information
Module	3	Viewing Information
Module	4	Introduction to Visualization
Module	5	Using Creo Elements View/Lite to View and Annotate Information
Module	6	Managing Your Work
Module	7	Participating in Processes

PTC university

Introduction to Windchill PDMLink 10.1 for Heavy Users

Overview

Course Code	WBT-3806-0
Course Length	16 Hours



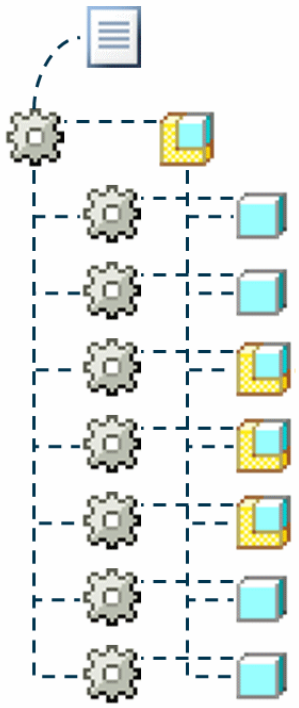
In this course, you will learn how to complete the day-to-day functions that enable you to create and manage product information with Windchill PDMLink. You will learn how to access and navigate the Windchill PDMLink environment, use Windchill PDMLink's visualization tools, manage product structures, and manage product information changes. Other topics include how to use Windchill PDMLink's communication and collaboration tools, and access user support functions and information.

This course is designed for users who need to access the Windchill PDMLink system to view, create, and manage product information. For users who require CAD data management training, this course should be followed with the appropriate CAD data management course for the user's design tool. After completing the course, you will be able to complete Windchill PDMLink data management tasks and activities, as well as have a better understanding of how to use the Windchill PDMLink system.

At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the Windchill PDMLink environment and terminology
- Locate and view product information
- View information using Creo View Lite
- Understand the principles of product structure management
- Create and manage product structures
- Create and manage documents
- Understand the Windchill PDMLink change process
- Initiate and implement product change
- Use Windchill PDMLink tools to manage your work



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product management processes and deliverables

Audience

- This course is designed for users who need to access the Windchill PDMLink system to view, create, and manage product information.

Table of Contents

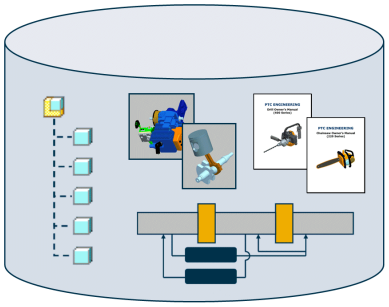
Module	1	Introduction to the Windchill Environment
Module	2	Locating and Viewing Information
Module	3	Viewing Information using Creo Elements/View Lite
Module	4	Introduction to Product Structure Management
Module	5	Creating Product Structures
Module	6	Managing Product Structures
Module	7	Managing Structure Filters
Module	8	Managing Parts in Product Structure Explorer
Module	9	Creating and Managing Documents
Module	10	Introduction to the Change Process
Module	11	Initiating and Implementing Change
Module	12	Managing Your Work

PTC university

Introduction to Windchill PDMLink 10.1 for the Implementation Team

Overview

Course Code	WBT-3807-0
Course Length	16 Hours



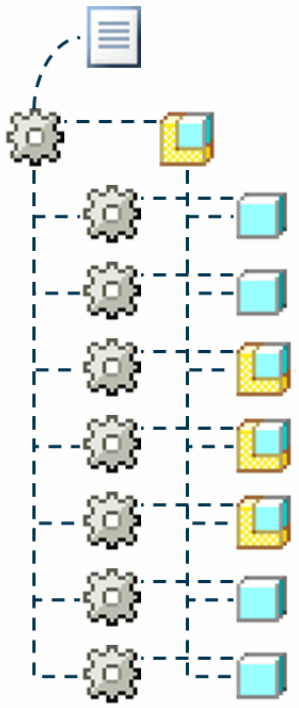
In this course, you will learn how to complete basic Windchill PDMLink functions. You will learn how to access and navigate the Windchill PDMLink environment, use Windchill PDMLink's visualization tools, manage CAD and product information, and manage product information changes. Other topics include how to use Windchill PDMLink's communication and collaboration tools, and access user support functions and information.

This course is designed to provide broad and basic coverage of Windchill PDMLink functionality to members of the Implementation Team. After completing the course, you will have a comprehensive understanding of Windchill PDMLink capabilities, which will enable you to contribute to the successful implementation of Windchill PDMLink to meet your company's Product Lifecycle Management goals.

At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.

Course Objectives

- Understand the Windchill PDMLink environment and terminology
- Locate and view product information
- View information using Creo View Lite
- Understand the principles of CAD data management
- Initiate new designs and share design information
- Modify and manage design information
- Understand the principles of product structure management
- Create and manage product structures
- Create and manage documents
- Understand the Windchill PDMLink change process
- Initiate and implement product change
- Use Windchill PDMLink tools to manage your work



Prerequisites

- Basic browser and Web navigation skills
- Basic understanding of product management processes and deliverables

Audience

- This course is intended for members of the Implementation Team who need a broad understanding of Windchill PDMLink functionality to successfully implement the system.

Table of Contents

Module	1	Introduction to the Windchill Environment
Module	2	Locating and Viewing Information
Module	3	Viewing Information using Creo Elements/View Lite
Module	4	Getting Started with CAD Data Management
Module	5	Initiating New Designs and Sharing Design Data
Module	6	Modifying and Managing Design Information
Module	7	Introduction to Product Structure Management
Module	8	Creating and Managing Product Structures
Module	9	Creating and Managing Documents
Module	10	Introduction to the Change Process
Module	11	Initiating and Implementing Change
Module	12	Managing Your Work

PTC university

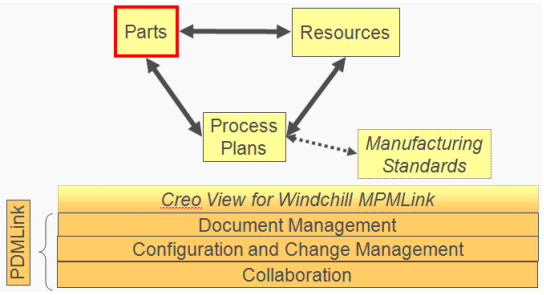
Introduction to Windchill MPMLink 10.1

Overview

Course Code	WBT-3811-0
Course Length	16 Hours

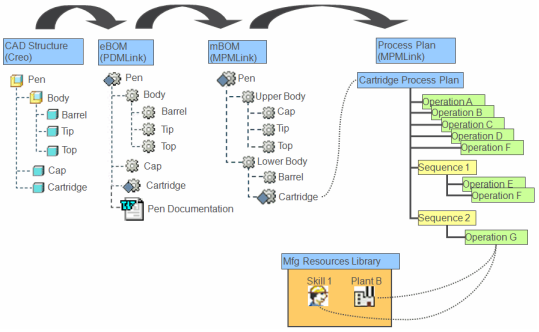
In this course, you will learn how to complete basic Windchill MPMLink functions. You will learn about MPMLink in the context of Manufacturing Process Management (MPM). You will also learn how to access and navigate the MPMLink environment, manage information, use MPMLink's visualization tools, and manage manufacturing changes attributed to product development. Other topics include how to use MPMLink to transform eBOMs to one or more mBOMs, and create process plans that consume the mBOM.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.



Course Objectives

- Transform an eBOM into an mBOM
- Create a process plan and associate it to the mBOM
- Create operations and allocate parts to them from the mBOM
- Allocate resources to the operations
- Use manufacturing standards in the operations
- Create illustrations and annotations for the operations
- View the production work instructions
- Create a time and cost roll-up



Prerequisites

- Introduction to Windchill PDMLink 10.1 for Heavy Users

Audience

- This course is designed for manufacturing engineers and manufacturing personnel that develop the mBOM or process plans including NC programmers, tooling designers, quality engineers, and production personnel. People in related roles will also benefit from taking this course.

Table of Contents

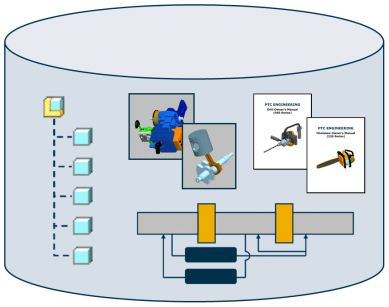
Module	1	Introduction to MPM and Windchill MPMLink
Module	2	Introduction to the Windchill MPMLink Environment
Module	3	MPMLink BOM Translation Tools and Concepts
Module	4	Transforming eBOM to mBOM
Module	5	Introduction to Manufacturing Resources and Manufacturing Standards
Module	6	Creating the Process Plan
Module	7	Allocating Objects to a Process Plan
Module	8	Refining the Process Plan
Module	9	Finalizing the Process Plan
Module	10	MPMLink Change Management

PTC university

Creo Parametric Data Management with Windchill PDMLink 10.1

Overview

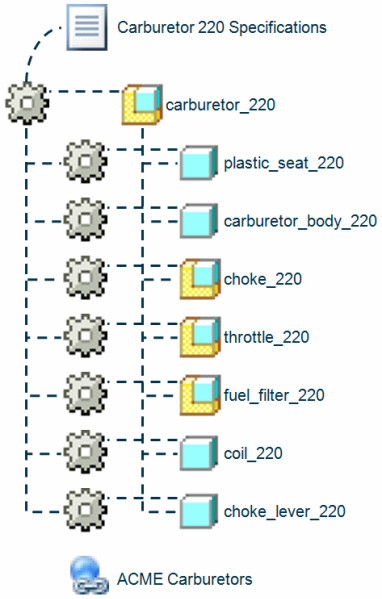
Course Code	WBT-3812-0
Course Length	8 Hours



After completing this course, you will be prepared to complete basic Windchill PDMLink CAD data management tasks and activities. You will also have 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 PDMLink to manage Creo Parametric design information. Specifically, you will focus on the day-to-day data management tasks required by the Creo Parametric user community, including how to use the CAD data structure to associate and build the product structure. You will also learn how to use Windchill to perform basic PDM functions on Creo Parametric CAD Documents and their associated Windchill parts., and At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Locate design information
- View design information
- Create new designs and share design information
- Modify and manage existing design information
- Understand Windchill parts and their association to CAD documents
- Understand file relationships and dependencies
- Manage family tables
- Use workspace frames



Prerequisites

- Working knowledge of Creo Parametric
- Completion of any one of the following courses:
    - Introduction to Windchill PDMLink 10.1 for Light Users
    - Introduction to Windchill PDMLink 10.1 for Heavy Users
    - Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for end users and System Administrators

Table of Contents

Module	1	Getting Started with Creo Parametric Data Management
Module	2	Initiating New Designs and Sharing Design Data
Module	3	Modifying and Managing Design Data
Module	4	Understanding File Relationships and Dependencies
Module	5	Managing Family Tables
Module	6	Managing CAD Data

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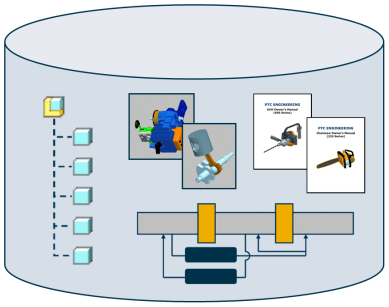
Managing Design Variations with Windchill PDMLink 10.1

Overview

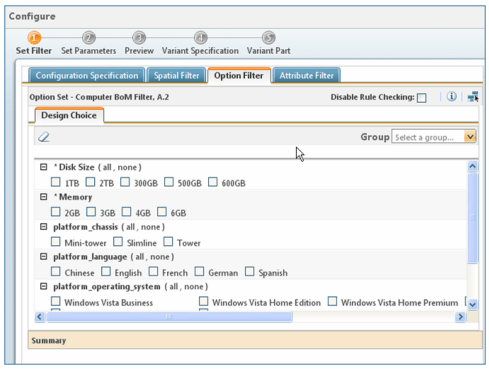
Course Code	WBT-3815-0
Course Length	8 Hours



In this course, you will explore the capabilities, concepts, and processes for creating product options and variants. You will examine the environment and learn how to configure and organize your product structures to support your design variation requirements. Finally, you will learn how to view and filter product configurations based on choices and rules., and At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Understand Windchill design variation capabilities
- Create and manage options and choices definitions
- Use option sets to organize product families
- Set up configurable product structures
- Filter a configurable product structure
- Create and manage variants



Prerequisites

- Completion of one of the following courses:
    - WBT-3806 Introduction to Windchill PDMLink 10.1 for Heavy Users
    - WBT-3807 Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for users that will be developing the required options and variants, and who already understand Windchill product structures

Table of Contents

Module	1	Introduction to Windchill Options and Variants
Module	2	Working With Enterprise-wide Definitions
Module	3	Using Option Sets to Establish Product Families
Module	4	Developing Configurable Product Structures
Module	5	Assigning Choices to Parts
Module	6	Configurable Product Structure Filtering
Module	7	Advanced Selection Logic for Configurable Parts
Module	8	Creating and Managing Variants

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Administration of Windchill PartsLink Classification and Reuse 10.1

Overview

Course Code	WBT-3816-0
Course Length	8 Hours

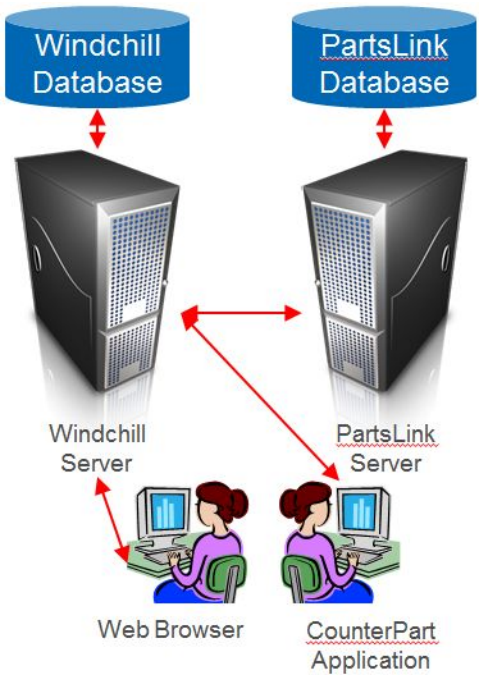
In this course, you will learn to use and administer Windchill PartsLink Classification and Reuse. You will begin by identifying classification search and the business uses it can serve. Then, you will use PartsLink to search for, browse to, create, and classify parts.

Later in the course, you will administer Windchill PartsLink by editing existing classification structures and creating new classification structures. Finally, you will learn to import a catalog of parts into Windchill using the import from spreadsheet functionality.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Identify the need for parts classification
- Identify the parts of the Windchill user interface that are added with the optional PartsLink module
- Describe classification-based search capabilities
- Browse to classified parts
- Search for classified parts
- Refine search criteria
- Search for similar parts
- Create classified parts
- Classify existing parts



- Describe the Windchill PartsLink architecture
- Identify Windchill PartsLink objects and their purpose
- Identify the relationships between different PartsLink objects
- Identify the tools used to manage the PartsLink classification structure
- Identify best practices for designing a classification structure
- Use the Windchill Classification Management tool to update a classification structure
- Use Windchill CounterPart to create and update classification structures
- Import a parts catalog to Windchill using an Excel spreadsheet

Prerequisites

- Business Administration of Windchill PDMLink 10.1

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members, and those with general Windchill PartsLink administration responsibilities will also benefit from taking this course.

Table of Contents

Module	1	Introduction to PartsLink Classification and Reuse
Module	2	Classifying Parts
Module	3	Introduction to PartsLink Administration
Module	4	Creating and Maintaining a Windchill PartsLink Classification Structure

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Introduction to Windchill PartsLink Classification and Reuse 10.1

Overview

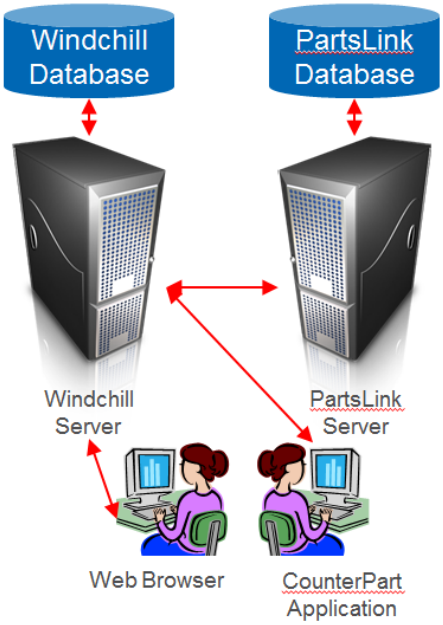
Course Code	WBT-3817-0
Course Length	2 Hours

In this course, you will learn to use Windchill PartsLink Classification and Reuse. You will begin by identifying classification search and the business uses it can serve. Then, you will use PartsLink to search for, browse to, create, and classify parts.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Identify the need for parts classification
- Identify the parts of the Windchill user interface that are added with the optional PartsLink module
- Describe classification-based search capabilities
- Browse to classified parts
- Search for classified parts
- Refine search criteria
- Search for similar parts
- Create classified parts
- Classify existing parts



Prerequisites

- Introduction to Windchill PDMLink 10.1 for Light Users

Audience

- This course is intended for Windchill users who search for or classify parts. People in related roles will also benefit from taking this course.

Table of Contents

Module	1	Introduction to PartsLink Classification and Reuse
Module	2	Classifying Parts

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Business Administration of Windchill PDMLink 10.1

Overview

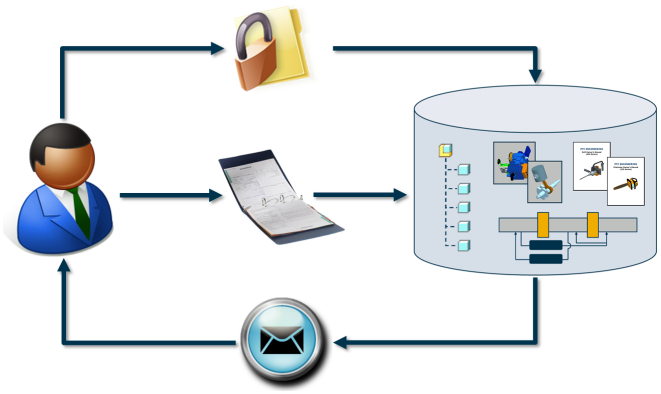
Course Code	WBT-3820-0
Course Length	24 Hours

In this course, you will gain an understanding of basic Windchill PDMLink administration tasks. You will learn how to create user accounts and groups, and plan and create information management storage strategies. Other topics will include life cycles, workflows, teams, and configuring domain policies. These skills enable a business administrator to configure Windchill PDMLink to meet business needs. After completing this course, you will be well prepared to set up and manage a basic Windchill PDMLink implementation at your company.

You will complete Pro/FICIENCY skills assessment questions for each topic. These questions are used to help reinforce your understanding of the course topics.

Course Objectives

- Understand the processes involved in defining your business environment
- Identify the use of a Windchill Organization
- Create an organization
- Create and manage user accounts and groups
- Identify best practices for managing organizations, groups, and user accounts
- Identify contexts and their relationships
- Assign product and library creators
- Create and manage product and library contexts
- Distinguish Windchill object names and their corresponding object type class names



- Create Global Attributes
- Add attributes to a Windchill Type
- Create a Windchill Type
- Identify and set object initialization rules
- Implement custom versioning sequences
- Create and define life cycle and workflow templates
- Associate life cycle and workflow templates
- Understand the Windchill domain policy architecture
- Define access control policies
- Identify individual access control permissions
- Administer and troubleshoot access control lists
- Define notification policies
- Define indexing policies
- Use Context Teams to apply access control
- Use Context Teams and team templates to conduct workflow role resolution
- Create and manage document templates within product, library, and organization contexts
- Identify how to create CAD document templates
- Create product and library context templates
- Create, manage, and edit promotion preferences
- Identify the promotion review and approval processes
- Identify the pre-configured Windchill change management functions
- Access business metrics from Change Monitor reports
- Use ModelCHECK validation during Check In
- Administer administrator-saved searches
- Administer user profiles
- Administer Windchill views
- Administer calendar functions
- Administer organization preferences
- Identify the report manager functions
- Identify visualization publishing controls
- Identify purge manager functions
- Audit system events

Prerequisites

- Any one of the following courses:
  - Introduction to Windchill PDMLink 10.1 for Light Users
  - Introduction to Windchill PDMLink 10.1 for Heavy Users
  - Introduction to Windchill PDMLink 10.1 for the Implementation Team

Audience

- This course is intended for business administrators, system administrators, and project team leaders. Implementation team members, including user adoption team members and those with general Windchill PDMLink administration responsibilities, will also benefit from taking this course.

Table of Contents

Module	1	Introduction to Windchill Business Administration
Module	2	Managing Participants
Module	3	Managing Contexts
Module	4	Managing Objects, Object Types, and Object Attributes
Module	5	Managing Object Type Behavior
Module	6	Automating Processes Using Life Cycles and Workflows
Module	7	Managing Domain Policies and Access Control
Module	8	Managing Teams
Module	9	Managing Organization Templates
Module	10	Implementing Promotion and Change Processes
Module	11	Administrative Support Tools

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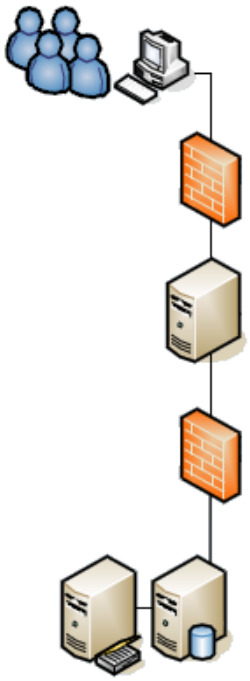
System Administration of Windchill 10.1

Overview

Course Code	WBT-3826-0
Course Length	24 Hours



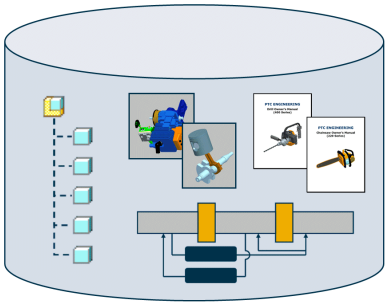
In this course, you will learn how to install and configure Windchill system components. You will also learn how to implement file vaulting and content replication. You will gain an understanding of how to perform routine Windchill system administration tasks, including how to manage Windchill services and optimize Windchill components for performance. Additionally, you will focus on daily, weekly, and monthly system maintenance tasks required by the Windchill system administrators. Other topics include managing an Oracle database, troubleshooting background queues, and controlling system backup procedures.

At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Note: Due to the subject matter of this class, simulated software is used for Windchill installation to provide an accurate, effective, and efficient training experience that could not otherwise be duplicated in a standard classroom environment.

Course Objectives

- Introduction to Windchill architecture
- Install and configure Windchill solutions
- Implement file vaulting and content replication
- Tune Windchill components
- Tune Windchill workflows
- Manage background queues
- Manage Oracle database
- Manage system backups
- Manage system logs and alerts
- Monitor daily, weekly, and monthly tasks



Prerequisites

- Familiarity with the Windchill PDMLink 10.1 or Windchill ProjectLink 10.1 user interface
- Familiarity with the Windows command prompt and the ability to form and execute basic SQL statements

Audience

- This course is intended for System Administrators and Application Developers

Table of Contents

Module	1	Windchill System Architecture Overview
Module	2	Planning Windchill Installation
Module	3	Installing Windchill Components
Module	4	Managing Windchill Services
Module	5	Managing Windchill Properties
Module	6	File Vaulting and Replication Overview
Module	7	Implementing File Vaults
Module	8	Implementing Content Replication
Module	9	Tuning Windchill Server
Module	10	Managing Background Queues
Module	11	Tuning Workflow Processes
Module	12	Oracle Database Management
Module	13	Windchill Backup and Recovery
Module	14	Managing Log Files and Alerts
Module	15	System Monitoring — Daily Tasks
Module	16	System Monitoring — Weekly Tasks
Module	17	System Monitoring — Monthly Tasks