Live Classroom Curriculum Guide

- Introduction to Windchill ProjectLink 10.0
- Business Administration of Windchill ProjectLink 10.0
- Update to Windchill 10.0 for System Administrators
- System Administration of Windchill 10.0
Introduction to Windchill ProjectLink 10.0

Overview

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In this course, you will learn how to participate in and manage projects using Windchill ProjectLink 10.0. You will learn how to access and navigate the Windchill ProjectLink interface. This includes navigating and using your personal environment, the project environment, and product structures. You will also learn how to manage document information, CAD information, and assigned tasks. You will also learn how to create and manage projects, which includes planning activities and milestones, assigning the project team, and setting up the folder storage structure. Finally, you will learn how to communicate with other team members using Windchill ProjectLink’s collaboration tools.

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

- Access Windchill Help
- Browse and search for Windchill objects
- View the attributes, content, and relationships of Windchill objects
- Identify the project manager’s role
- Plan projects, project resources, and project storage
- Identify the differences between projects and programs
- Identify differences between classic projects and projects
- Create projects in Windchill, including the plan objects required to support them
- Create an action item
• Create and manage project storage and access controls
• Create documents
• Modify documents
• Create document relationships
• Identify the role of parts, end items, and documents in product structures
• Identify various approaches used to create product structures
• Identify part masters and part versions
• View part structure components
• Access part viewables
• View product structure related information
• Create parts and end items
• Build and edit product structures
• Manage your Windchill notebook
• Create and manage subscriptions
• Complete Windchill assignments
• Reassign assignments to other team members
• Manage your Windchill calendar
• Update project status
• Monitor the project timeline
• Use Microsoft Project in conjunction with Windchill
• Discuss objects in forums
• Manage and schedule meetings

Prerequisites

Audience

• This course is intended for both project participants and project managers using the ProjectLink application
## Agenda

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Business Administration for Windchill ProjectLink 10.0

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<td>Course Length</td>
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After completing this course, you will be well prepared to set up and manage a basic Windchill ProjectLink implementation at your company.

In this course, you will learn how to perform basic Windchill ProjectLink administration tasks. You will learn how to plan and create user accounts and groups, and how to plan and create information management storage strategies. Other topics will include life cycles, workflows, teams, and configuring domain policies. These skills are important because they enable a business administrator to configure Windchill ProjectLink to meet business needs.

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 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 project and program creators
- Create and manage project and program contexts
- Identify Windchill object names and their corresponding object type class names
• Create Global Attributes
• Add attributes to a Windchill Type
• Create Windchill Types
• 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 project and program context templates
• Create, manage, and edit promotion preferences
• Identify the promotion review and approval processes
• 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

- TRN-3148 Introduction to Windchill ProjectLink 10.0

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 administration responsibilities will also benefit from taking this course.
# Agenda

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Update to Windchill 10.0 for System Administrators

Overview

Course Code: TRN-3165-T
Course Length: 2 Days

This course focuses on Windchill 10.0 system administration enhancements as well as serving as a refresher course for administrators who are involved in performing routine system administration activities in a Windchill 10.0 environment. In this course, you will learn how to perform 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 Oracle database, troubleshooting background queues, performing backups, and managing file vaults.

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

- Introduction to Windchill architecture
- Tune Windchill components
- Manage Windchill runtime services
- Review and implement Windchill file vaulting and replication mechanism
- Manage background queues
- Manage Oracle database
- Manage system logs and alerts
- Monitor daily, weekly, and monthly system administration tasks
- Review system backup procedures and perform backups
Prerequisites

- Familiarity with the Windchill PDMLink 10.0 or Windchill ProjectLink 10.0 user interface
- Familiarity with the Windows command prompt and the ability to form and execute basic SQL statements

Audience

- This training course is intended for System Administrators and Application Developers
- This training course is designed for administrators who need to update their Windchill system administration knowledge and skills from previous Windchill versions to work in the Windchill 10.0 environment
# Agenda

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<td>File Vaulting and Replication Overview</td>
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<td>Tuning Windchill Server</td>
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</table>
Overview

In this course, you will learn how to install and configure Windchill system components. You will learn how to implement file vaulting and content replication. You will learn 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 Oracle database, troubleshooting background queues, and controlling system backup procedures.

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.

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
- Installing and configuring Windchill solutions
- Implementing file vaulting and content replication
- Tuning Windchill components
- Tuning Windchill workflows
- Managing background queues
- Managing Oracle database
- Managing system backups
- Managing system logs and alerts
- Monitoring daily, weekly, and monthly tasks
Prerequisites

• Familiarity with the Windchill PDMLink 10.0 or Windchill ProjectLink 10.0 user interface
• Familiarity with the Windows command prompt and the ability to form and execute basic SQL statements

Audience

• This training course is intended for System Administrators and Application Developers
# Agenda

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<td>Planning Windchill Installation</td>
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<td>Managing Windchill Services</td>
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<td>Managing Windchill Properties</td>
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<td>Tuning Workflow Processes</td>
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<td>Module</td>
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<td>System Monitoring — Monthly Tasks</td>
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Web Based Curriculum Guide

- Locate and View Information with Windchill ProjectLink 10.0
- Visualization with Creo Elements/View Lite 10.0 for Windchill ProjectLink 10.0
- Creo Elements/Pro Data Management with Windchill ProjectLink 10.0
- Product Structure Management with Windchill ProjectLink 10.0
- Standard Document Management with Windchill ProjectLink 10.0
- Work Management with Windchill ProjectLink 10.0
- Project Data Management with Windchill ProjectLink 10.0
- Business Administration Overview of Windchill ProjectLink 10.0
- User and Policy Administration of Windchill ProjectLink 10.0
- Data and Context Administration of Windchill ProjectLink 10.0
- Process Administration of Windchill ProjectLink 10.0
- Creo Elements/Pro Data Administration in Windchill 10.0
- System Administration Overview of Windchill 10.0
- Installation and Configuration of Windchill 10.0
- Performance Tuning of Windchill 10.0
- Backup and Recovery of Windchill 10.0
- System Monitoring and Maintenance of Windchill 10.0
• Introduction to Windchill ProjectLink 10.0

• Business Administration of Windchill ProjectLink 10.0

• Update to Windchill 10.0 for System Administrators

• System Administration of Windchill 10.0
Locate and View Information with Windchill ProjectLink 10.0

Overview

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<td>Course Length</td>
<td>2 Hours</td>
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This course constitutes a comprehensive review of Windchill ProjectLink locate and view functionality. In addition, the content is built to support topic-based course configurations.

In this Locate and View Information with Windchill ProjectLink 10.0 course, you will learn basic skills required to access and view information, such as: logging on, accessing help, and locating and viewing product information.

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 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 ProjectLink system
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Visualization with Creo Elements/View Lite 10.0 for Windchill ProjectLink 10.0

Overview

Course Code: WBT-3041
Course Length: 3.5 hour

This course constitutes a comprehensive review of Creo Elements/View Lite 10.0 functionality. In addition, the content is built to support topic-based course configurations. In this Visualization with Creo Elements/View Lite 10.0 for Windchill ProjectLink 10.0 course, you will learn about Creo Elements/View and its role as a visualization solution for Product Data Management systems. You will learn how to visualize products and navigate through or query 3-D models, 2-D drawings, images, and documents. You will also 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. 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

- Introduction to visualization
- Introduction to the Creo Elements/View 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 ProjectLink10.0

Audience

• This course is intended for any user who needs to view and manipulate product information residing within the Windchill ProjectLink system
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<td>Deconstructing a Creo Elements/View Model</td>
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<td>Working with Components</td>
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Creo Elements/Pro Data Management with Windchill ProjectLink 10.0

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<td>Course Length</td>
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This course constitutes a comprehensive review of Windchill ProjectLink Creo Elements/Pro 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 ProjectLink 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 ProjectLink CAD Data Management and how to use Windchill to manage Creo Elements/Pro design information. Specifically, you will focus on the day-to-day data management tasks required by the Creo Elements/Pro 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/Pro CAD Documents and their associated product structure objects.

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

- Locating information
- Viewing information
- Creating new designs and sharing design information
- Modifying and managing existing design information
- Understanding Windchill parts and their association to CAD documents
- Understanding file relationships and dependencies
- Managing family tables
- Workspace frames

Prerequisites

- WBT-3040-0 Locate and View Information with Windchill ProjectLink 10.0 or equivalent
- Working knowledge of Creo Elements/Pro

Audience

- This course is intended for end users and System Administrators
- The topics in this course are also available as Web-based training courses
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### Product Structure Management with Windchill ProjectLink 10.0

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<td>Course Length</td>
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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. You will learn how to create product structures using part-centric and CAD-centric approaches. You will create baselines and new view versions of product structures. Finally, you will create bill of materials (BOM) notes to facilitate manufacturing.

#### 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.
- Add bill of materials (BOM) notes to product structures.
- Compare product structures.
Prerequisites

- WBT-3040-0 Locate and View Information with Windchill ProjectLink 10.0

Audience

- This course is intended for any user that needs to create or manage Windchill parts or product structures.
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Standard Document Management with Windchill ProjectLink 10.0

Overview

Course Code: WBT-3044  
Course Length: 1 Hour

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 Standard Document Management with Windchill ProjectLink 10.0 course, you will learn the basic skills necessary to perform typical document management tasks using Windchill ProjectLink 10.0. You will learn document management skills, such as creating and modifying documents.

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
- Create document relationships
Prerequisites

- WBT-3040-0 Locate and View Information with Windchill ProjectLink 10.0

Audience

- This course is intended for any user that will manage documents within Windchill ProjectLink
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Work Management with Windchill ProjectLink 10.0

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<td>Course Length</td>
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This course constitutes a comprehensive review of common Windchill tasks. In addition, the content is built to support topic-based course configurations. In this course, you will learn how to manage your work. You will explore the Windchill communication and collaboration mechanism including packages. You 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. 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. 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.

Course Objectives

- Managing Your Work Environment.
- Identifying Windchill Communication and Collaboration Tools.
- Managing Windchill Packages
- Participating in Workflow Processes.
- Managing User Preferences.
- Performing Common Windchill Tasks.

Prerequisites

- Basic Windchill 10.0 understanding.

Audience

- This course is intended for any user that needs to learn about common tasks performed in Windchill.
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<td>Course Length</td>
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After completing this course, you will be prepared to complete basic Windchill ProjectLink management tasks and activities, as well as having a better understanding of Windchill ProjectLink data management processes.

In this course, you will learn how to function as a project manager within the Windchill ProjectLink environment. You will learn about creating projects, meaning you will create activities and milestones that define the project timeline. Additionally, you will learn how to assign ownership responsibility of the activities and milestones to your project's team members. You will learn how to update the project phase, status, and timeline. Finally, you will learn how to manage data using Windchill ProjectLink and Microsoft Project.

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

- Identifying steps involved in project management
- Planning projects
- Creating projects in Windchill
- Creating activities, milestones, and summary activities
- Creating project deliverables
- Creating and managing action items
- Updating projects
- Monitoring project timeline
- Using Microsoft Project with Windchill
Prerequisites

- WBT-3040 Locate and View Information with Windchill ProjectLink 10.0

Audience

- This course is intended for project managers
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Business Administration Overview of Windchill ProjectLink 10.0

Overview

Course Code: WBT-3088
Course Length: 0.5 hour

In this course, you will learn about Windchill ProjectLink capabilities and terminology, the role of the Business Administrator in managing the Windchill ProjectLink business environment, and the steps required to plan the implementation of Windchill ProjectLink at your company.

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

- 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

- WBT-3040 Locate and View Information with Windchill ProjectLink 10.0

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 ProjectLink administration responsibilities will also benefit from taking this course.
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<td>Introduction to Windchill Business Administration</td>
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Overview

In this course, you will learn how to administer users, groups, domains, teams, and access control in Windchill ProjectLink. 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

- 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

- WBT-3088 Business Administration Overview of Windchill ProjectLink 10.0

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 ProjectLink administration responsibilities, will also benefit from taking this course.
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Data and Context Administration of Windchill ProjectLink 10.0

Overview

Course Code WBT-3090
Course Length 3.5 Hour

In this course, you will learn how to perform Windchill ProjectLink administration tasks. You will learn the various Windchill storage containers, such as the site context, project contexts, and program 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.

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 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 program, project, and organization contexts
- Identify how to create CAD document templates
- Create project and program 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

• WBT-3088 Business Administration Overview of Windchill ProjectLink10.0

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 ProjectLink administration responsibilities, will also benefit from taking this course.
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Process Administration for Windchill ProjectLink 10.0

Overview

Course Code: WBT-3091
Course Length: 2 Hour

In this course, you will learn about Windchill life cycle and workflow templates. Life cycles are composed of states that correspond to the business stages an object reaches as it matures. Life cycle states are used to help regulate user interaction with an object. Workflow templates are used to deliver the activities and manage the events required to promote the object from one stage of maturity to the next.

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

- Create and define life cycle and workflow templates
- Associate life cycle and workflow templates
Prerequisites

- WBT-3088 Business Administration Overview of Windchill ProjectLink 10.0

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 ProjectLink administration responsibilities, will also benefit from taking this course.
| Module  | 1 | Automating Processes Using Life Cycles and Workflows |
## Creo Elements/Pro Data Administration in Windchill 10.0

### Overview

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This course constitutes a comprehensive review of configuring Creo Elements/Pro 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 Elements/Pro to work in a Windchill environment, as well as having a basic understanding of the Creo Elements/Pro and Windchill architectures.

In this course, you will learn key capabilities and features of configuring Creo Elements/Pro to work with Windchill. You learn about the Windchill architecture that is used to support Creo Elements/Pro. You learn about Creo Elements/Pro configuration files and options, and preferences in Windchill which together configure your working environment for the management of your Creo Elements/Pro CAD documents.

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

- Understanding the Windchill Workgroup Manager Architecture
- Use and edit Creo Elements/Pro Startup Files (PSF)
- Use configuration elements to configure Creo Elements/Pro to work with Windchill
- Configure Creo Elements/Pro startup files
- Configure Windchill Workgroup Manager Preferences in Windchill
- Map Creo Elements/Pro parameters to Windchill Attributes

Prerequisites

- WBT-3000-0 Locate and View Information with Windchill 10.0 or equivalent
- Basic understanding of Creo Elements/Pro

Audience

- This course is intended for System Administrators and end users
| Module | 1 | Creo Elements/Pro Data Administration |
System Administration Overview of Windchill 10.0

Overview

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<td>Course Length</td>
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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 with each other.

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

Prerequisites

- Completion of any one of the following:
  - WBT-3080-0 Business Administration Overview of Windchill 10.0
  - WBT-3084-0 Business Administration Overview of Windchill PDMLink 10.0
  - WBT-3088-0 Business Administration Overview of Windchill ProjectLink 10.0
  - WBT-3092-0 Business Administration Overview of Pro/INTRALINK 10.0
  - WBT-3096-0 Business Administration Overview of Arbortext Content Manager 10.0

Audience

- This training course is intended for System Administrators and Application Developers.
| Module | 1 | Windchill System Architecture Overview |
Installation and Configuration of Windchill 10.0

Overview

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<td>Course Length</td>
<td>4 Hours</td>
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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, Tomcat servlet engine, Oracle database, and a Windchill solution. You will also 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 replication schedules.

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

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

- WBT-3103-0 System Administration Overview of Windchill 10.0

Audience

- This training course is intended for System Administrators and Application Developers
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<tr>
<td>Module</td>
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<td>Implementing Content Replication</td>
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</table>
Performance Tuning of Windchill 10.0

Overview

Course Code: WBT–3105
Course Length: 2 Hour

In this course, you will learn how to optimize various Windchill components for performance. You will identify and modify various Windchill configuration property settings. You will learn how to allocate additional memory to Windchill components and how to 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.

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

• 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

- WBT-3103-0 System Administration Overview of Windchill 10.0

Audience

- This training course is intended for System Administrators and Application Developers
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Backup and Recovery of Windchill 10.0

Overview

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<td>Course Length</td>
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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, servlet engine, Oracle database, Windchill application server, and Windchill Directory Server. Additionally, you will learn how to perform a system recovery in case of a disaster.

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 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

- WBT-3103-0 System Administration Overview of Windchill 10.0

Audience

- This training course is intended for System Administrators and Application Developers
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| Module | 1 | Windchill Backup and Recovery |


System Monitoring and Maintenance of Windchill 10.0

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<td>Course Length</td>
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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.

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

- 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 maintenance tasks
- Identify and perform weekly maintenance tasks
- Identify and perform monthly maintenance tasks
- Run system health checks
- Monitor system performance
- Perform database maintenance
- Rebuild LDAP indexes
Prerequisites

- WBT-3103-0 System Administration Overview of Windchill 10.0

Audience

- This training course is intended for System Administrators and Application Developers
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<td>System Monitoring — Monthly Tasks</td>
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Introduction to Windchill ProjectLink 10.0

Overview

Course Code: WBT-3148
Course Length: 8 Hours

In this course, you will learn how to participate in and manage projects using Windchill ProjectLink 10.0. You will learn how to access and navigate the Windchill ProjectLink interface. This includes navigating and using your personal environment, the project environment, and product structures. You will also learn how to manage document information, CAD information, and assigned tasks. You will also learn how to create and manage projects, which includes planning activities and milestones, assigning the project team, and setting up the folder storage structure. Finally, you will learn how to communicate with other team members using Windchill ProjectLink’s collaboration tools.

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

- Access Windchill Help
- Browse and search for Windchill objects
- View the attributes, content, and relationships of Windchill objects
- Identify the project manager’s role
- Plan projects, project resources, and project storage
- Identify the differences between projects and programs
- Identify differences between classic projects and projects
- Create projects in Windchill, including the plan objects required to support them
- Create an action item
• Create and manage project storage and access controls
• Create documents
• Modify documents
• Create document relationships
• Identify the role of parts, end items, and documents in product structures
• Identify various approaches used to create product structures
• Identify part masters and part versions
• View part structure components
• Access part viewables
• View product structure related information
• Create parts and end items
• Build and edit product structures
• Manage your Windchill notebook
• Create and manage subscriptions
• Complete Windchill assignments
• Reassign assignments to other team members
• Manage your Windchill calendar
• Update project status
• Monitor the project timeline
• Use Microsoft Project in conjunction with Windchill
• Discuss objects in forums
• Manage and schedule meetings

Prerequisites

Audience

• This course is intended for both project participants and project managers using the ProjectLink application
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Overview

After completing this course, you will be well prepared to set up and manage a basic Windchill ProjectLink implementation at your company.

In this course, you will learn how to perform basic Windchill ProjectLink administration tasks. You will learn how to plan and create user accounts and groups, and how to plan and create information management storage strategies. Other topics will include life cycles, workflows, teams, and configuring domain policies. These skills are important because they enable a business administrator to configure Windchill ProjectLink to meet business needs.

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 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 project and program creators
- Create and manage project and program contexts
- Identify Windchill object names and their corresponding object type class names
• Create Global Attributes
• Add attributes to a Windchill Type
• Create Windchill Types
• 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 project and program context templates
• Create, manage, and edit promotion preferences
• Identify the promotion review and approval processes
• 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

- TRN-3148 Introduction to Windchill ProjectLink 10.0

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 administration responsibilities will also benefit from taking this course.
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Update to Windchill 10.0 for System Administrators

Overview

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<th>Course Code</th>
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This course focuses on Windchill 10.0 system administration enhancements as well as serving as a refresher course for administrators who are involved in performing routine system administration activities in a Windchill 10.0 environment. In this course, you will learn how to perform 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 Oracle database, troubleshooting background queues, performing backups, and managing file vaults.

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

- Introduction to Windchill architecture
- Tune Windchill components
- Manage Windchill runtime services
- Review and implement Windchill file vaulting and replication mechanism
- Manage background queues
- Manage Oracle database
- Manage system logs and alerts
- Monitor daily, weekly, and monthly system administration tasks
- Review system backup procedures and perform backups
Prerequisites

- Familiarity with the Windchill PDMLink 10.0 or Windchill ProjectLink 10.0 user interface
- Familiarity with the Windows command prompt and the ability to form and execute basic SQL statements

Audience

- This training course is intended for System Administrators and Application Developers
- This training course is designed for administrators who need to update their Windchill system administration knowledge and skills from previous Windchill versions to work in the Windchill 10.0 environment
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System Administration of Windchill 10.0

Overview

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<tr>
<th>Course Code</th>
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<td>Course Length</td>
<td>24 Hour</td>
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In this course, you will learn how to install and configure Windchill system components. You will learn how to implement file vaulting and content replication. You will learn 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 Oracle database, troubleshooting background queues, and controlling system backup procedures.

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.

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
- Installing and configuring Windchill solutions
- Implementing file vaulting and content replication
- Tuning Windchill components
- Tuning Windchill workflows
- Managing background queues
- Managing Oracle database
- Managing system backups
- Managing system logs and alerts
- Monitoring daily, weekly, and monthly tasks

Prerequisites

- Familiarity with the Windchill PDMLink 10.0 or Windchill ProjectLink 10.0 user interface
- Familiarity with the Windows command prompt and the ability to form and execute basic SQL statements

Audience

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