

Windchill ProjectLink R10 Project Management and Execution

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- Introduction
- Supplier Collaboration & Project Planning with Windchill ProjectLink 10.0
 - **Do More**
 - Broader support for Design and Manufacturing Outsourcing
 - Broader support for Project Management
 - **Know More** – Collaboration
 - **Get More** - Ease of use
- Windchill ProjectLink Roadmap
- Q & A



Introduction

Supplier Collaboration & Project Planning with Windchill ProjectLink 10.0

The largest Windchill release in PTC's history



Support for concurrent design

- ### Concurrent alternative design proposal

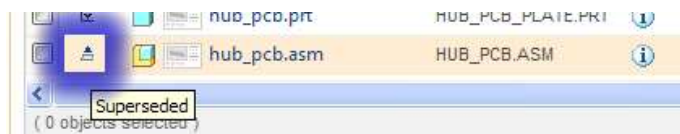
- Check-out design data to multiple projects



- Send chosen design to PDMLink
 - Initial collection of only necessary objects
 - Define view/location for new objects

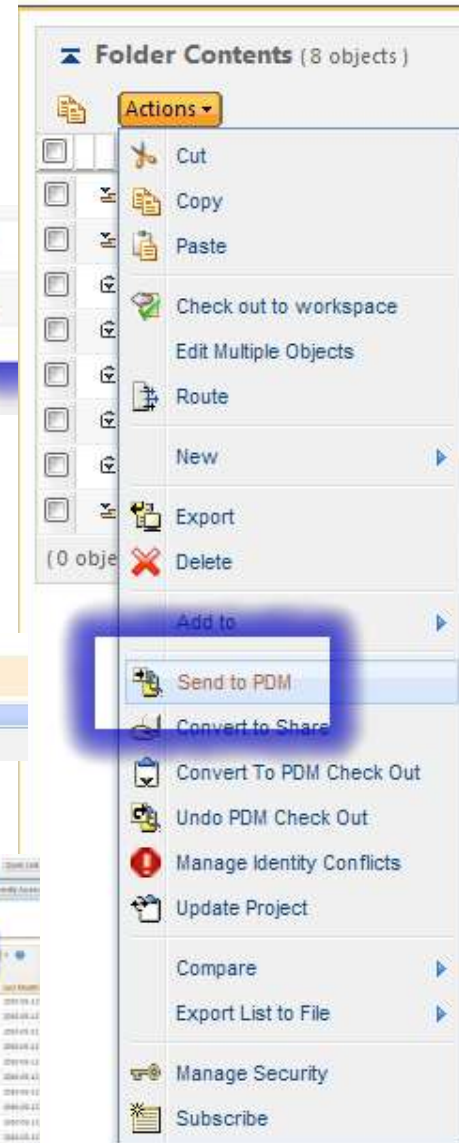
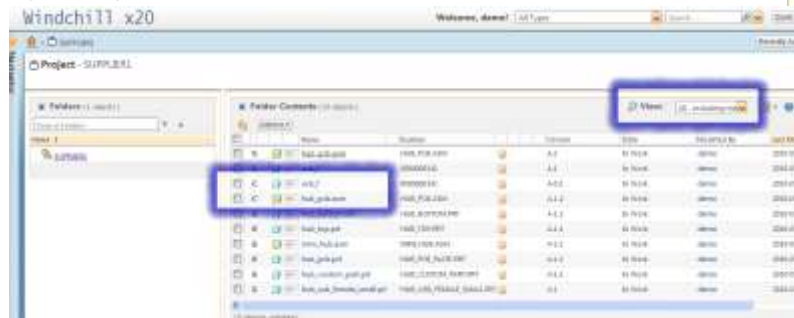
- Preserve alternative history for non selected project(s)

- Editable but no “Send to PDM”
 - Save as to preserve them (MOR)



- View “All including hidden object”

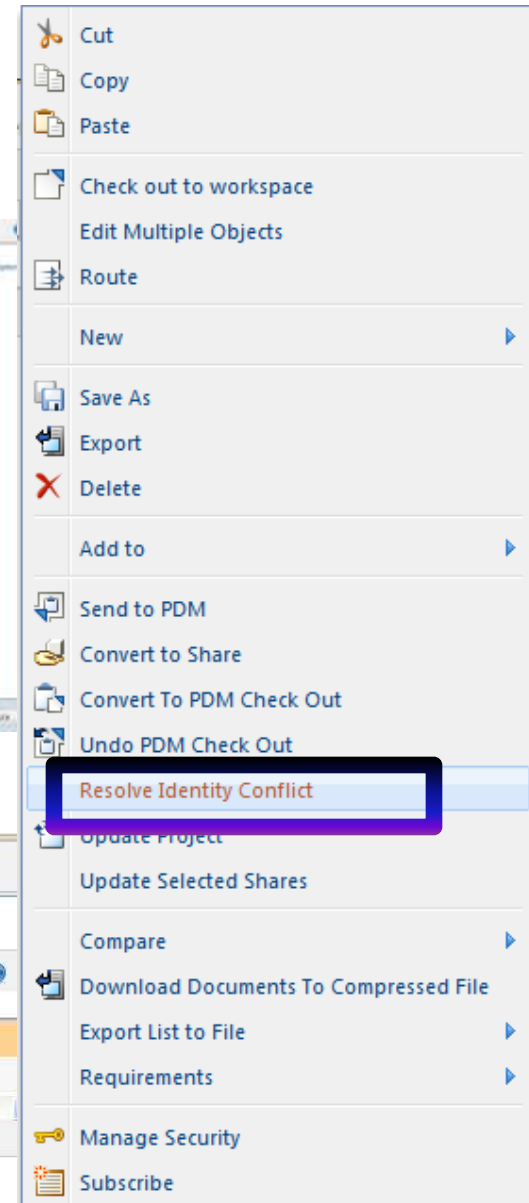
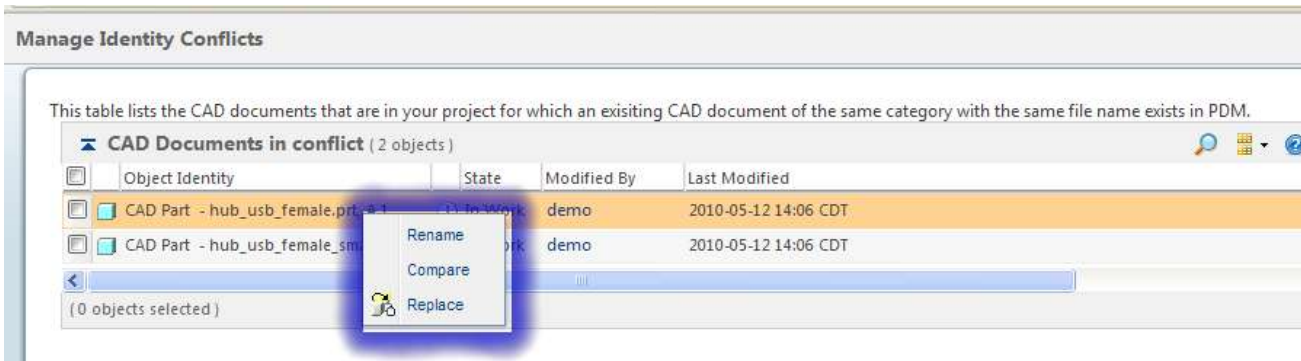
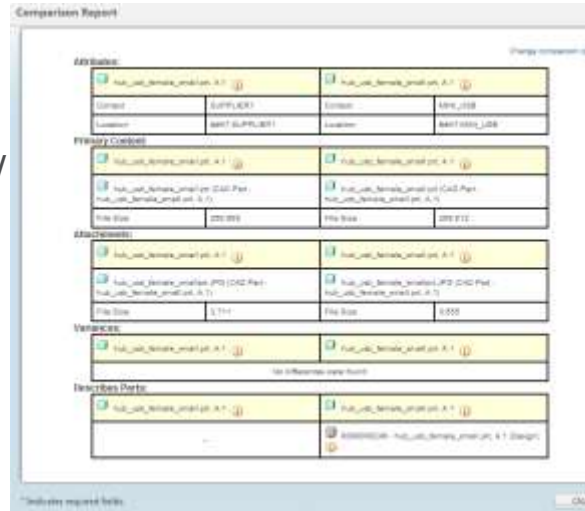
- “Sent to PDM” and “Abandoned”



Improved conflict resolution

- **Send to PDM Conflict resolution**

- CAD document and CAD format
 - No Family
 - No Assemblies
 - CADDocs authored by Pro/E only
- Identify potential identity conflict before sending to PDM
 - Folder Action
- Resolve potential identity conflict
 - Replace by PDM content
 - Rename
- Standard Windchill compare



Change management collaboration

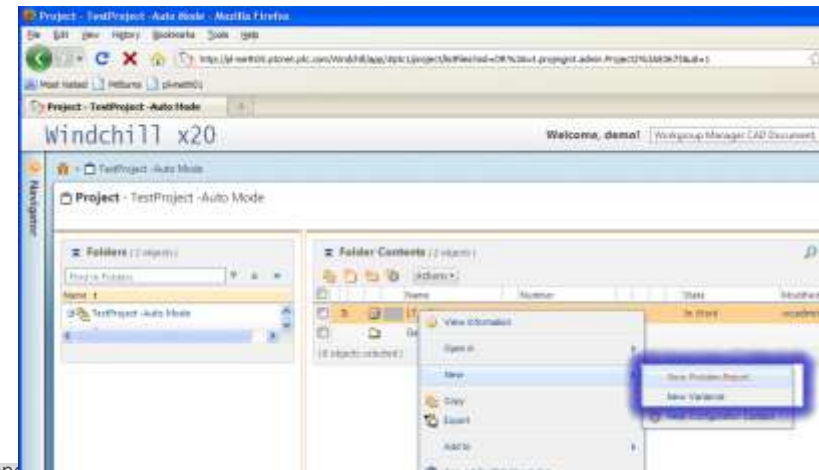
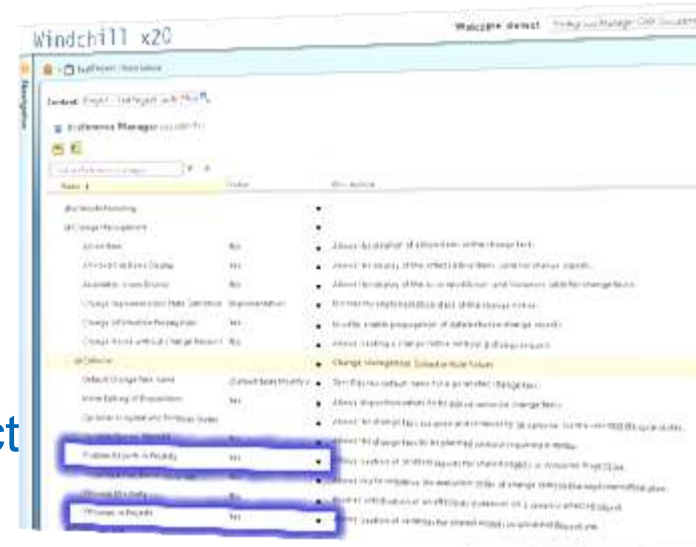
■ Extending Change Management across the enterprise

- Collaborating with Partners, Vendors, Customers
- Improve communication of Change related information
- Improve process speed by starting Change faster
do not have to wait for someone on the “inside” to initiate

■ Create a Problem Report in the Project

■ Create a Variance (Deviation/Waiver) in a Project

- Preference controlled on a Org and per Project level
 - Enable Problem Report
 - Enable Variance
- Affected Data must be shared from Product
- Linked back to ECR and closed from ECR results
- Access controlled – who can see the change



Date Constraint

- Support for Deadline (due date)
 - Optional deadline date picker
 - Deadline displayed in red when missed
 - Deadline available in view, info pages, timeline and Gantt
 - Deadline imported/exported from MSP
 - Deadline is searchable
 - New subscription on deadline
 - Missed
 - Changed
 - Notification X days before and after

New Activity

Attributes

Activity Name:

Description:

Constraint Type:

Estimated Start Date:

Duration:

Estimated Finish Date:

Predecessors:

Deadline:

Work:

Owner:

Fixed Cost:

* Indicates required fields.

Projects > EximProject

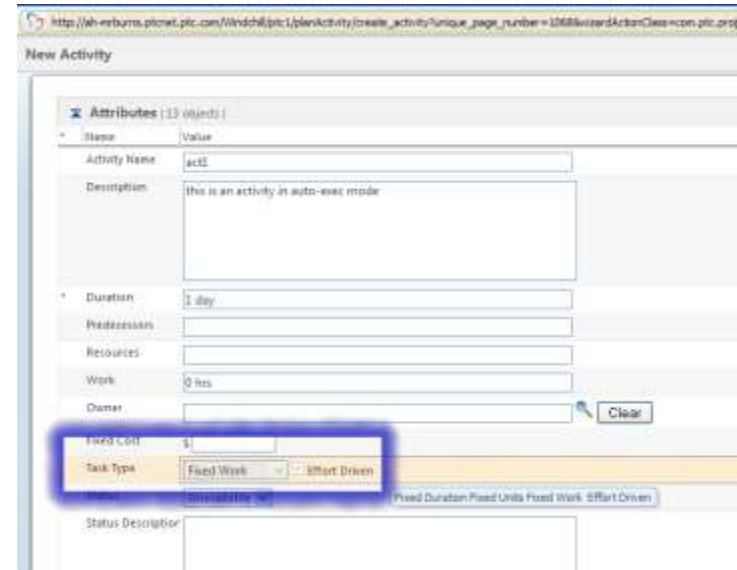
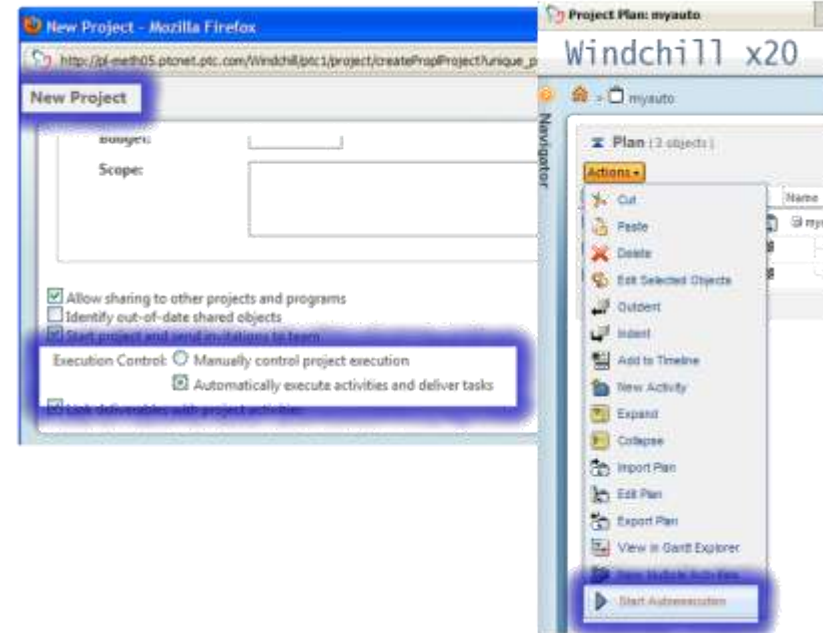
Plan (16 objects)

View: Entry

ID	Name	Duration	Start	Finish	Predecessors	Deadline
1	Project Start	0 days	August 25, 2010 08:00 AM	August 25, 2010 08:00 AM		
2	Project Finish	0 days	August 25, 2010 08:00 AM	August 25, 2010 08:00 AM		
3	AL1	1 day	August 25, 2010 08:00 AM	August 25, 2010 05:00 PM	1	August 25, 2010 04:00 PM
4	AL2	1 day	August 25, 2010 08:00 AM	August 25, 2010 05:00 PM		August 25, 2010 04:15 PM
5	AL3	1 day	August 25, 2010 08:00 AM	August 25, 2010 05:00 PM		August 25, 2010 04:30 PM
6	AL4	1 day	August 25, 2010 08:00 AM	August 25, 2010 05:00 PM		August 25, 2010 06:15 PM

Project Auto-execution

- **Functionality similar to “Classic” ProjectLink auto-execution with Task**
 - Option during Project creation
 - Default is manual
 - Activities are started based on activity precedence
 - Email notifications are automatically delivered to activity resources as soon as the activity starts.
 - Activity with Lead value will start based on computed date
 - Project plan updated based on activity status
 - Activities created in automatic execution mode are required to use the Fixed Work task type and track work by % Complete.



Date Constraint

Support for date constraint

- New constraint type
 - “Start no earlier than”
 - Default is existing one “Start as soon as possible”
- Start and Finish date picker
- Import/Export from MSP

The dialog box shows the following fields:

- Constraint Type:** A dropdown menu with "As Soon As Possible" selected. A secondary dropdown below it shows "Start No Earlier Than".
- Estimated Start Date:** A date picker showing "mm-dd" and "1 AM" and "00" and "IST".
- Duration:** A text input field containing "1 day".
- Estimated Finish Date:** A date picker showing "yyyy-mm-dd" and "1 AM" and "00" and "IST".

The screenshot shows the Windchill x20 interface with a project named "Demo Project". The Gantt chart displays three activities:

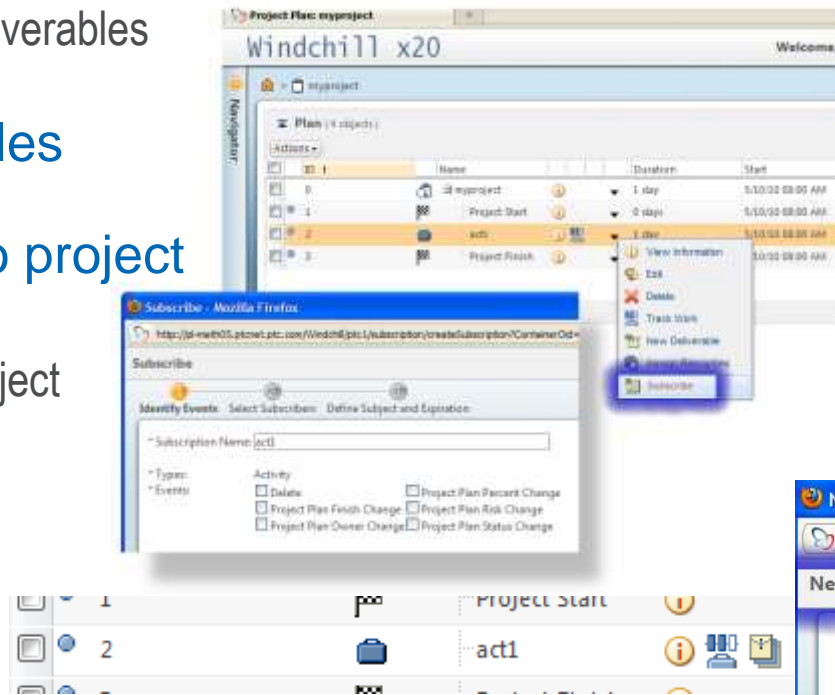
Name	ID	Duration	Estimated Start	Estimated Finish	Constraint Date	Constraint Type	Predecessors	Work	Resource
Demo Proj 0		4 days	10/07/10 08:00 AM	10/12/10 05:00 PM				0 hrs	
Activity1 1		1 day	10/07/10 08:00 AM	10/07/10 05:00 PM		As Soon As Possible		0 hrs	
Activity2 2		2 days	10/11/10 08:00 AM	10/12/10 05:00 PM	10/11/10 08:00 AM	Start No Earlier Than		0 hrs	

A context menu is open over the Gantt chart, showing the following options:

- View Information
- Edit
- Delete
- Track Work
- New Deliverable
- Subscribe
- Complete

Force Start and Complete activity in auto-execution mode

- Plan objects description field
 - Plan / activity / deliverables
- Multiple deliverables
- Link deliverable to project activity
 - Defined during project creation
- Subscription to plan objects
- Soft typing of plan objects



New Activity

Attributes (13 objects)

Name	Value
Activity Name	act1
Description	this is the description field
Duration	1 day
Predecessors	
Resources	
Work	0 hrs
Owner	
Fixed Cost	\$

New Project - Mozilla Firefox

http://pl-meth05.ptcnet.ptc.com/Windchill/ptc1/project/createProjProject?unique_

New Project

Scope:

Allow sharing to other projects and programs
 Identify out-of-date shared objects
 Start project and send invitations to team

Execution Control:

 Manually control project execution

 Automatically execute activities and deliver tasks

Link deliverables with project activities

* Indicates required fields.

New Activity

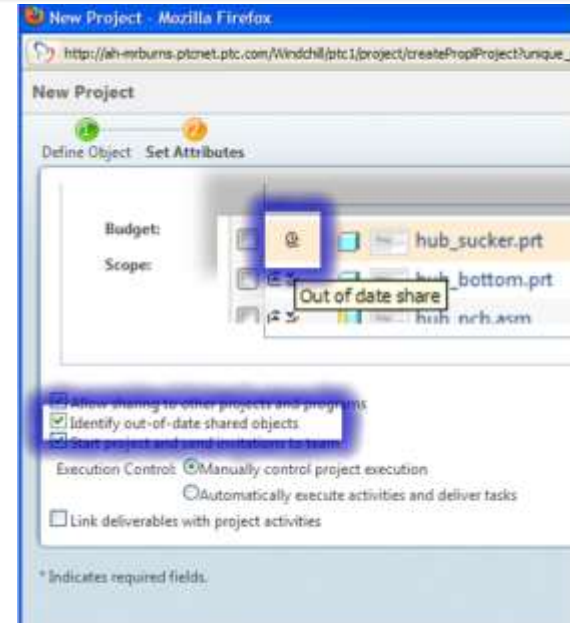
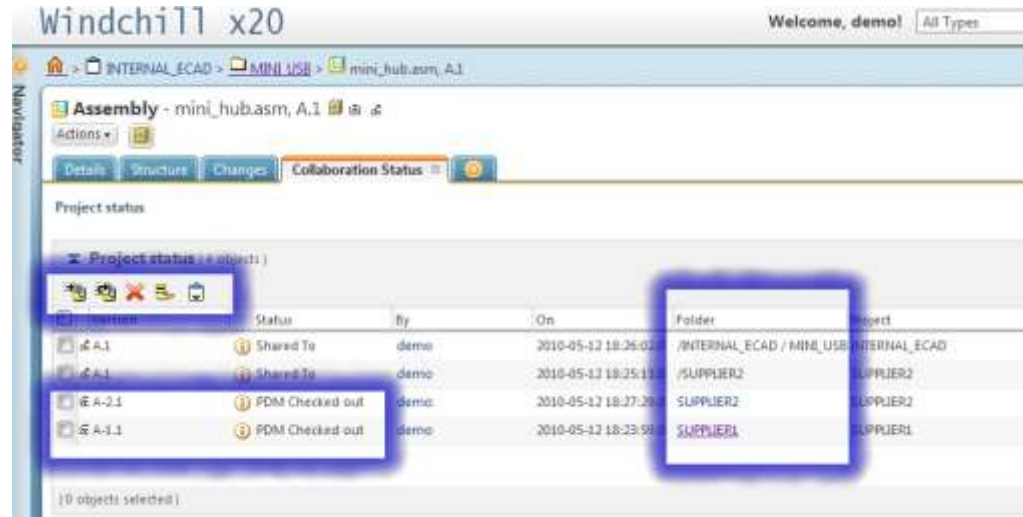
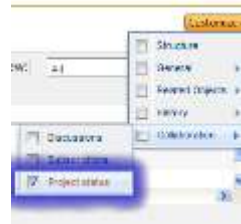
*Type: CustomPlanActivity

Activity Name:

Description:

Improved shared object status information

- **Project status table from object information page**
 - Collaboration widget for custom tab
 - See all projects and folder location where an object is shared / PDM check out, sent to PDM, superseded or abandoned
 - Include iteration information
 - Action from Project status table
- **Indicator for “Out of Date” shared object**
 - In Project creation Wizard
 - Modifiable by editing project details
- **Selective update within project**



- Project Status
 - Updated for both “classic” and “EPP”

Windchill x20

Welcome, demo! Workgroup Manager CAD E Search ... Quick Links

Recently Accessed

Projects All Projects by State (3 objects)

Name	Owner	Host	Category	Phase	State	Status	Completion Status	Last Modified
project-1	demo	Demo Organization	General	Kickoff	Running		0%	2010-09-17 16:50 GMT+05:30
test classic	demo	Demo Organization	General	Kickoff	Running		50%	2010-09-21 14:12 GMT+05:30
FL Test	demo	Demo Organization	General	Kickoff	Running		25%	2010-09-17 16:54 GMT+05:30

(0 objects selected)

Projects > BCO-1 Running

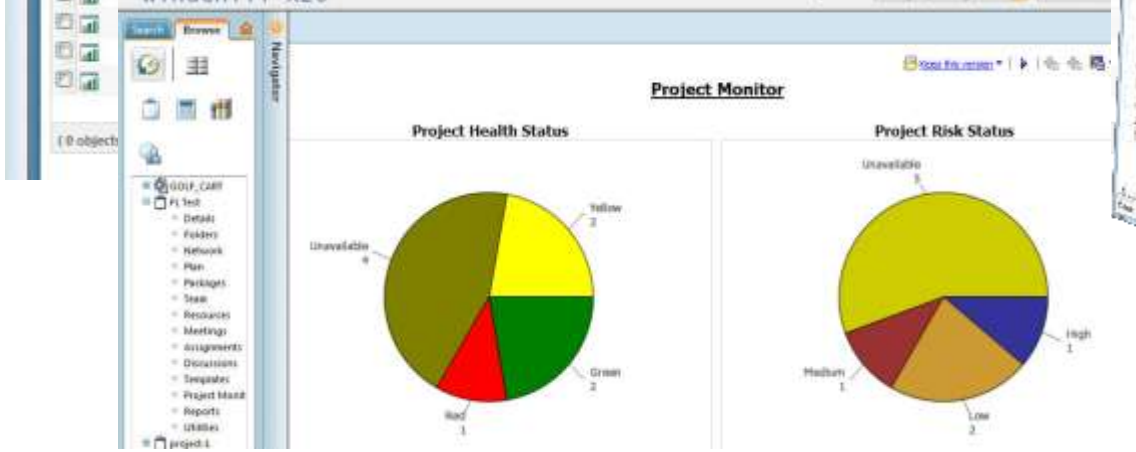
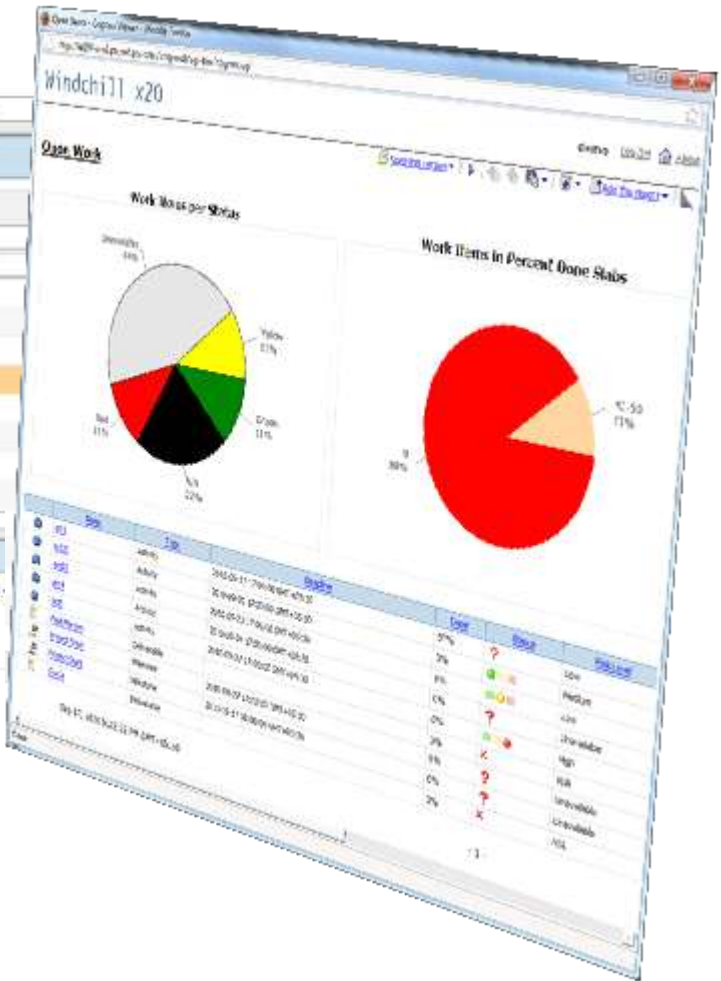
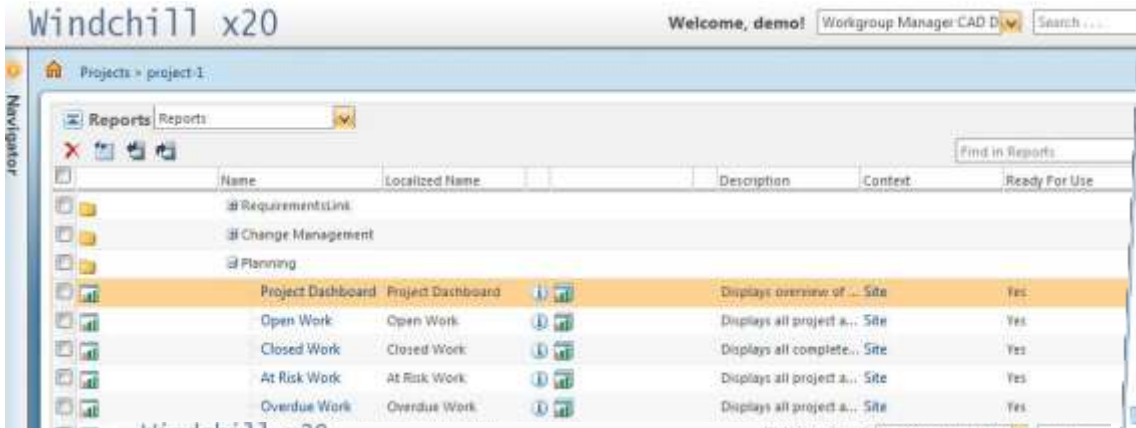
Project - BCO-1

Actions

Details

Attributes | More Attributes

- Project reporting working for both “classic” and EPP project plans
- New Project Monitor (Cognos required)

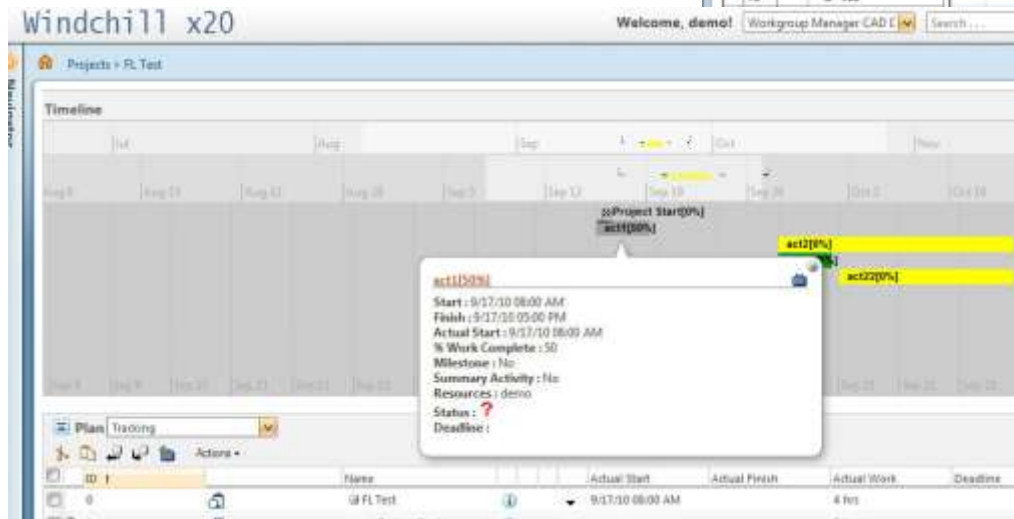
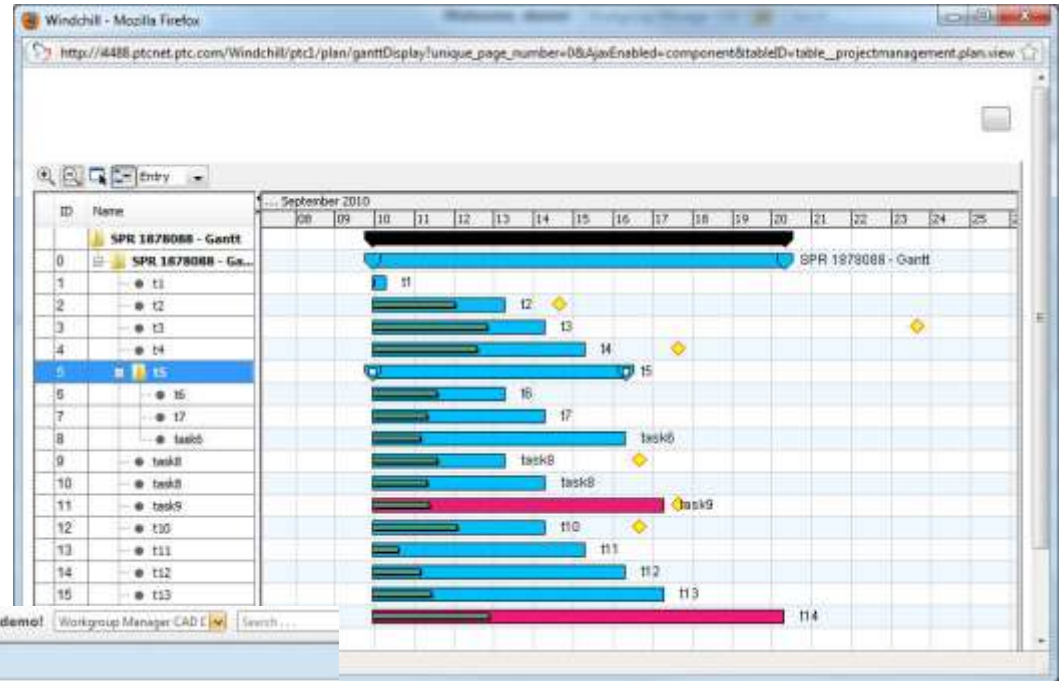


- **Gantt Chart**

- Display progress bar
- Display deadline

- **Timeline**

- Navigation to activity info page with hyperlink from timeline activity details pop-up



Windchill ProjectLink 10.0 User Interface

■ Clean Web 2.0 Look

- Reduced clutter
- Simplified navigation
 - “Breadcrumbs”
- Engaging for new and experienced users

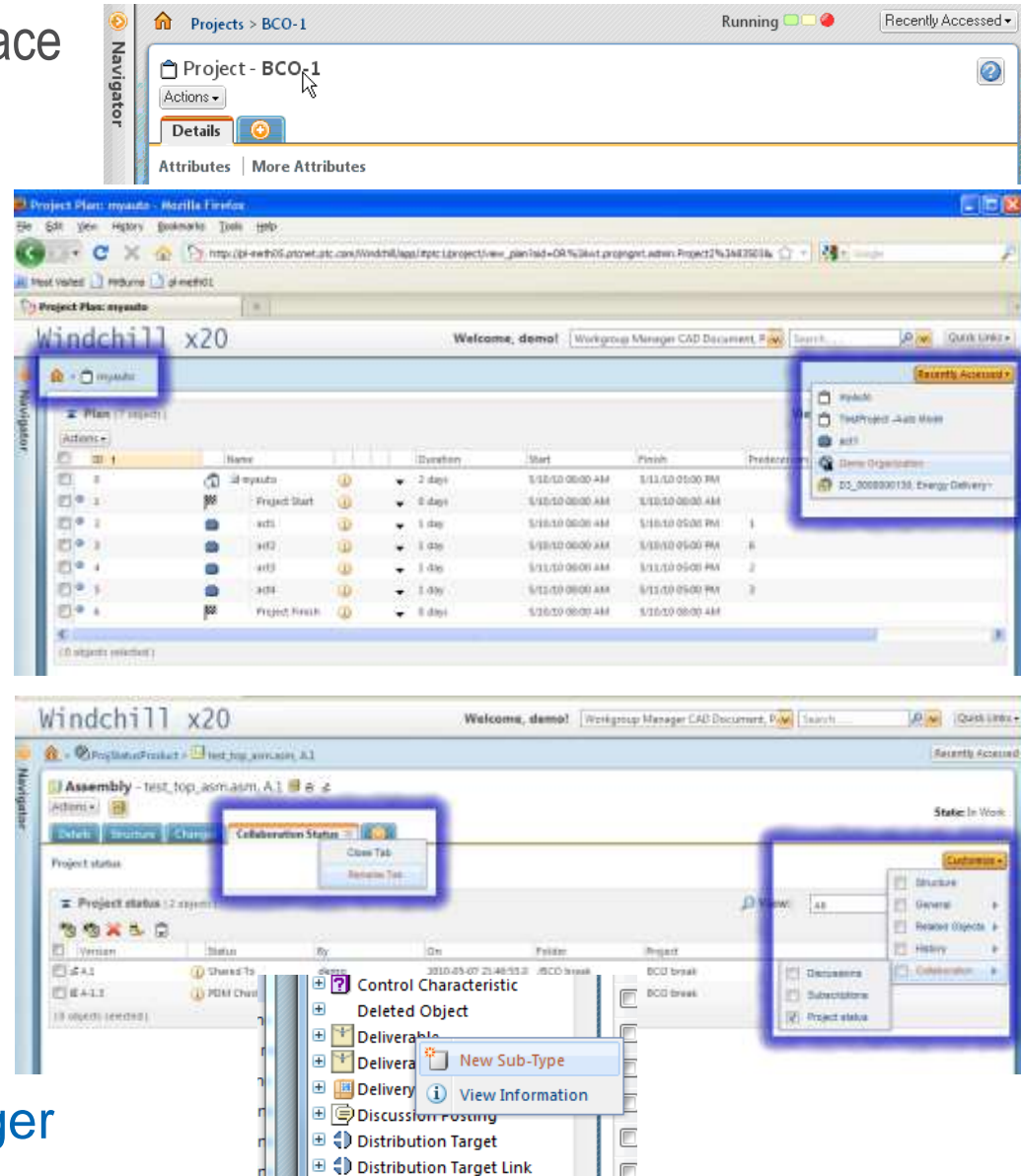
■ Desktop Feel

- Rich internet application technologies
- Interactive experience
 - Interactive table
 - Column lock, resize
 - Scrolling
 - Customizable info page

■ Highly Efficient

- Extensive usability lab studies and improvements

■ Attribute layout via Type manager



Windchill ProjectLink 10.0 User Interface

- New & simplified creation wizard

Visual Indicator
to walk you
through
creation steps

New Deliverable - Mozilla Firefox
http://pl-meth05.ptcnet.ptc.com/Windchill/plc1/deliverable/create_deliverable?ContainerOid=OR%3Awt.projmgmt.admin.Project12%3A835C

New Deliverable

Set Attributes Select Activity

Attributes (7 objects)

Name	Value
Deliverable Name	<input type="text"/>
Description	<input type="text"/>
Subject	<input type="text"/> <input type="button" value="Clear"/>
Owner	<input type="text"/> <input type="button" value="Clear"/>
% Complete	<input type="text"/> %
Start	<input type="text"/> yyyy-mm-dd
Finish	<input type="text"/> yyyy-mm-dd

* Indicates required fields.

Back Next Finish Cancel

Done

New Deliverable - Mozilla Firefox
http://pl-meth05.ptcnet.ptc.com/Windchill/plc1/deliverable/create_deliverable?ContainerOid=OR%3Awt.projmgmt.admin.Project12%3A835C

New Deliverable

Set Attributes Select Activity

Associated Activities (1 objects)

ID	Name	Duration	Start	Finish	Predecessors	Resources
2	Project Finis	0 days	5/10/10 08	5/10/10 08C		

(0 objects selected)

* Indicates required fields.

Back Next Finish Cancel

Done

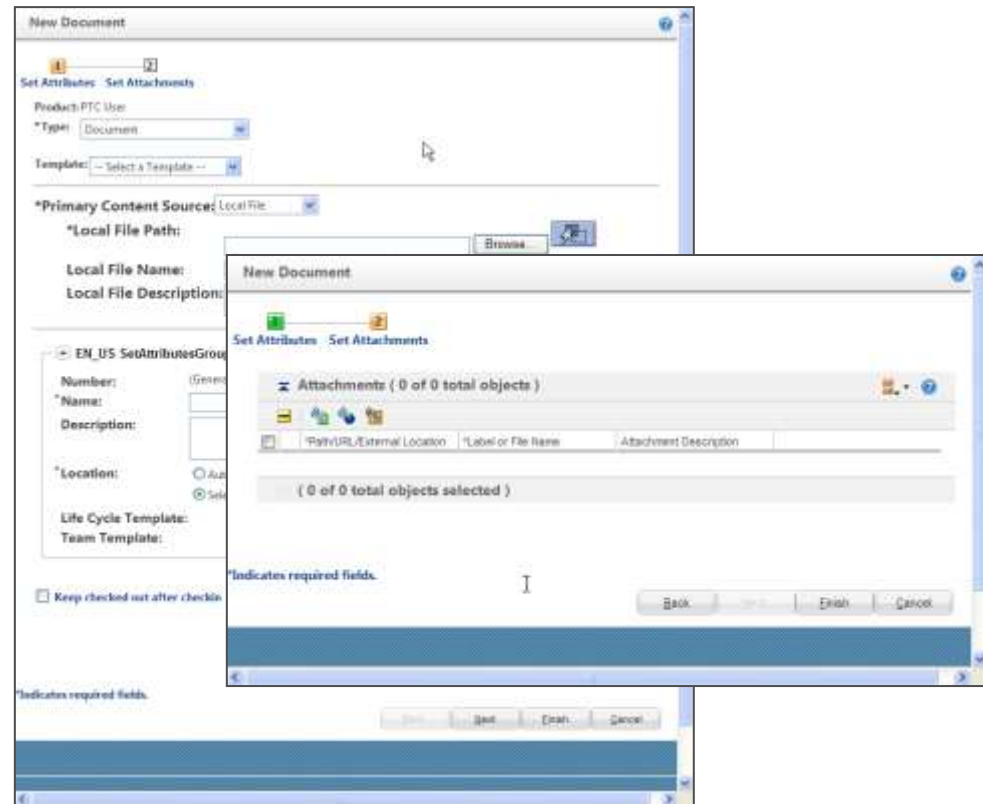
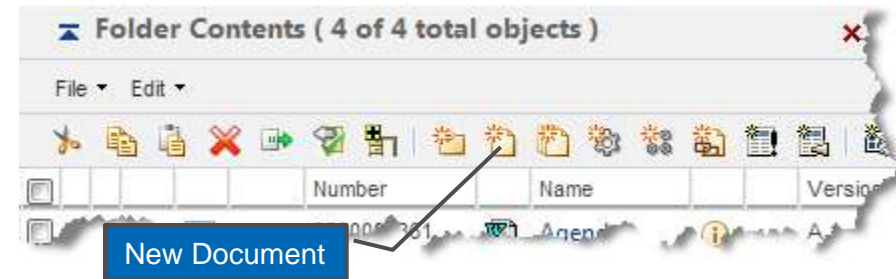
Windchill ProjectLink 10.0 Document Management

■ General Improvements

- Simplified document creation interface
- Option to remove local file upon check-in
- New Default File Path preference
- More flexibility for restricting document name uniqueness
- Icons for the out-of-the-box documents subtypes

■ Windows Explorer Integration

- Allow browsing Windchill from Windows Explorer
- Allow browsing Windchill from within supported MS Applications



Windchill 10.0 Project Planning Work for Upcoming MORs

■ M010

- Create and associate project Activities with Requirements
 - Project and Milestone pickers
- Display table of Related Activities on Requirements page
- Resource picker for project plan items
- Notebooks for Deliverables & Activities
- Discussions for Deliverables & Activities
- Program completion status calculation
- Roll up project status to program level
- Add requirement and section as subject of a deliverable
- Allow activity type selection

■ M020

- Change tracking for the project plan (History)
- Rollup project Activity status to Project
- Rollup Project status to Program
- RMB Action for Insert Child Activity Below

New Activity - Windows Internet Explorer provided by IT GDS

New Activity

Project: Anne Project
 * Type: **Activity**

Attributes

Activity Name:

Description:

Constraint Type: **As Soon As Possible**

Estimated Start Date: yyyy-mm-dd **1 AM** **00** EDT

* Duration: 1 day

New Activity - Windows Internet Explorer

New Activity

Project: Anne Project
 * Type: **Activity**

Activity Name:

Description:

Constraint Type: **As Soon As Possible**

Estimated Start Date:

Save | New for the site

Est **Windchill® 10.0**

Pr demo

De > Projects > Anne Project

No > **Activity - Story1**

No > **Details** **Related Objects** **New Tab 1**

Re > **Notebook** | Discussions

W > **Notebook**

Over > **Actions**

Fix > **Name**

Tab > **Documents** **General** **Links** **Parts**

Sta > (0 objects selected)

Discussions **Tree View**

	Actions	Created By	Date
General			2011-04-13 01:58 PM

Part, Document, CAD B...

Search

Recently Accessed

Activity - Story1

2011-04-13 01:58 PM

Print Page

Questions?



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