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PTC Product Focus

Pro/ENGINEER - Mathcad Integration

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PTC Product Focus

Windchill Business Reporting Overview

Windchill Business Reporting (WBR) available in Windchill 9.0 allows your enterprise to report on and analyze product and process information in real-time. The out-of-the-box integration with Cognos allows for graphical and drill-down reports of key performance and business intelligence indicators to be presented to the key decision-makers throughout the enterprise.

The Key Benefits are:

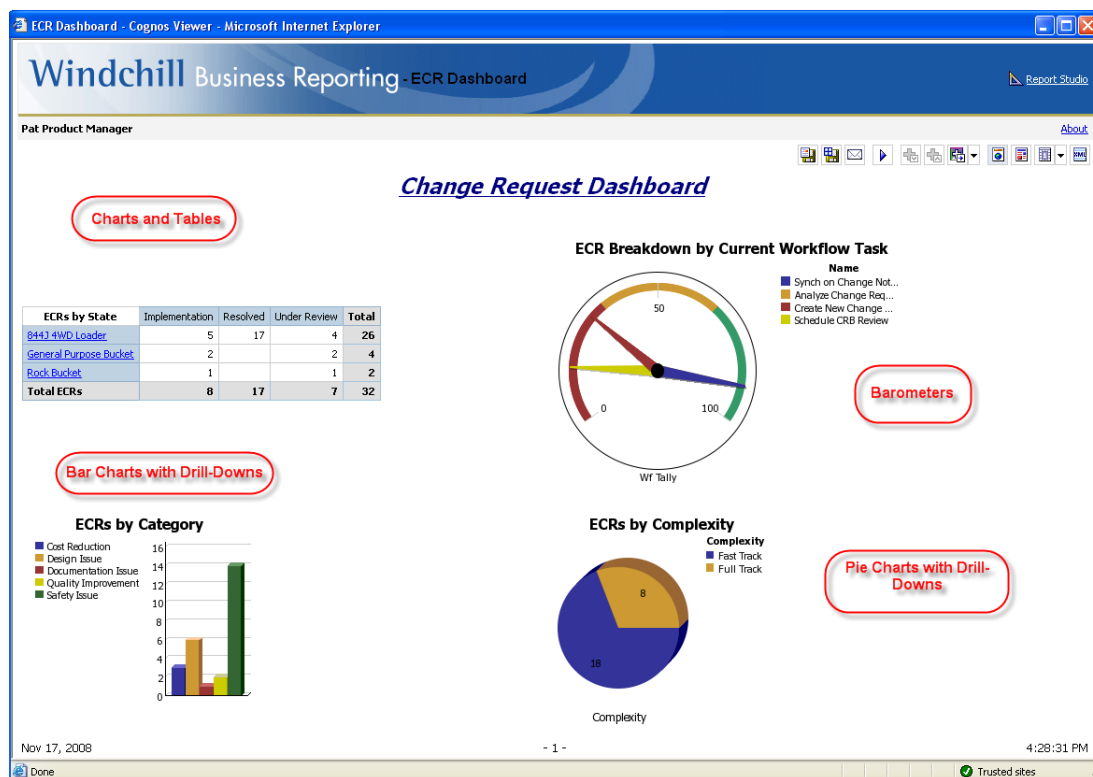
- **Improve Decision-Making and Process Efficiency**
Real-time information presented graphically helps you quickly identify product or process-related problems. Drill-down reports help focus in on the source of a problem and solve it more quickly and efficiently.
- **Realize Superior ROI**
Achieve immediate results with the integration between Windchill and Cognos. Experience instant payback by providing the team with valuable information on the most commonly requested process and product metrics.
- **Improve Report Development Productivity**

Use the optional drag-and-drop report authoring tools to drastically reduce time and cost of developing reports. Automatically generate and distribute reports to the key decision-makers.

Some Feature and Capabilities are:

- Integrated user interface allows access, viewing, and generation of reports directly from within Windchill.
- Scalable to thousands of users.
- Reports can be published in multiple formats: email, HTML, XML, PDF, Microsoft Excel, and CSV.
- Scheduling and distribution of reports can be set-up automatically and with multiple time frames.
- Prebuilt Reports are available. Any data available is reportable as long as a query has been built.
- Optional licensing available to author and edit reports.
- Charts, graphs, and images can be embedded into any report.
- Drill-downs can be designed to gather a more detailed/specific view of the data.

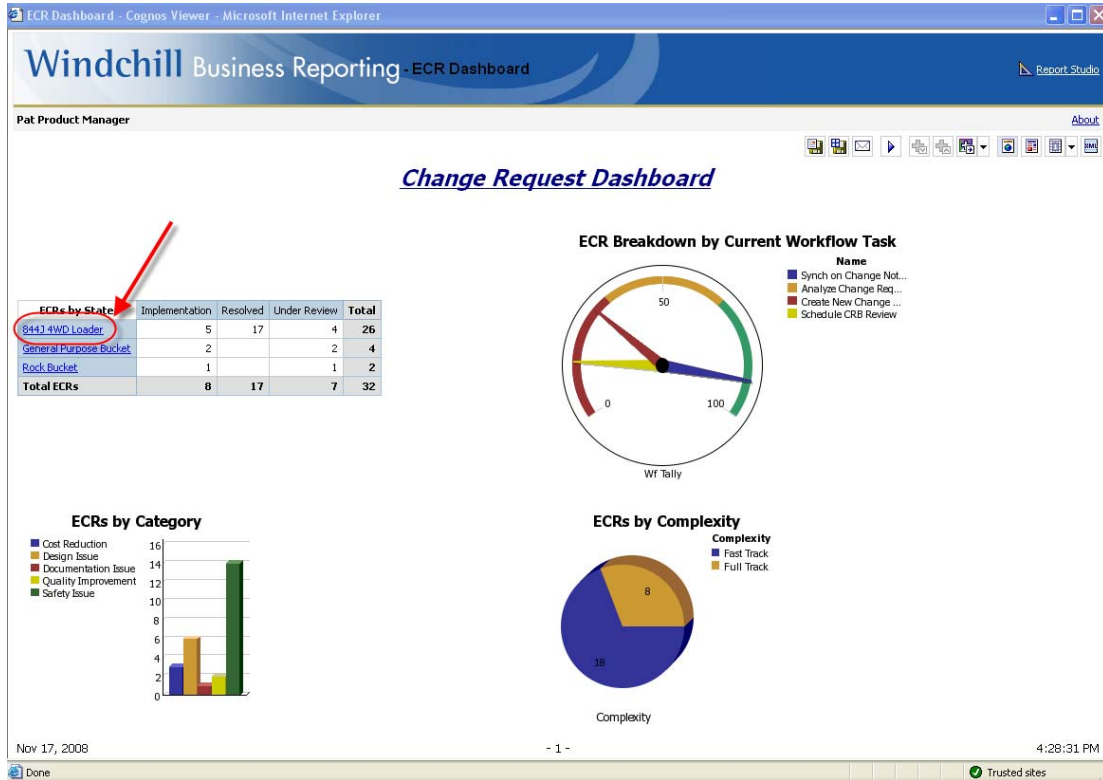
Let's take a look at an ECR Dashboard example, which is one of my custom reports I created in Windchill 9.0.



This dashboard report is an excellent example of the power of the Windchill – Cognos 8 Business Intelligence reporting integration. It contains a table, bar chart, barometer gauge, pie

chart, as well as drill-downs. Drill-downs provide the capability to dive into a more detailed layer of the data.

If we want to see only the ECRs for the 844J 4WD Loader, we simply can click on that link provided:



The link drills-down to the ECR data specific only to that Product:

ECR Table By Container TARGET - Cognos Viewer - Microsoft Internet Explorer

Address: http://icenterv01.ptc.com/cognos8/cgi-bin/cognos.cgi

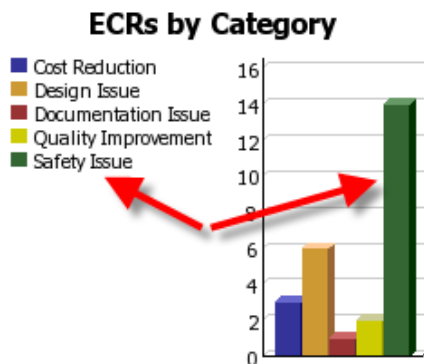
Windchill Business Reporting - ECR Table By Container TARGET

Pat Product Manager

ECR Information

State	Name	Number	Creator Full Name	Category	Created	Context (containerName)	Complexity
Implementation	Brush Guard Access Hole Too Small	00001	Peter Project Manager	Design Issue	Apr 22, 2008 2:13:19 PM	8443 4WD Loader	Fast Track
	Cab Operators Station Chassis has changed	00085	Pat Product Manager	Design Issue	Jun 4, 2008 3:51:38 PM	8443 4WD Loader	Fast Track
	Drive Line Alignment Issue	00105	Pat Product Manager	Quality Improvement	Jun 12, 2008 2:45:51 PM	8443 4WD Loader	Fast Track
	Inner Handle design concerns	00024	Pat Product Manager	Design Issue	Mar 1, 2008 2:52:33 PM	8443 4WD Loader	Fast Track
	Publication Lacks correct 2D Engineering Design	00125	Pat Product Manager	Documentation Issue	Jul 14, 2008 2:03:17 PM	8443 4WD Loader	Fast Track
Resolved	8443 4WD Loader Redesign	00021	Peter Project Manager	Cost Reduction	Apr 25, 2008 2:00:14 PM	8443 4WD Loader	Fast Track
	Airconditioner design improvements	00056	Pat Product Manager	Safety Issue	Nov 1, 2007 5:08:54 PM	8443 4WD Loader	Full Track
	Amber lamp needs a brighter bulb	00054	Pat Product Manager	Safety Issue	Oct 1, 2007 4:29:52 PM	8443 4WD Loader	Full Track
	Buy brighter bulbs for the rear lights	00055	Pat Product Manager	Safety Issue	Oct 1, 2007 4:36:36 PM	8443 4WD Loader	Full Track
	Design a new housing to fit the new condensor	00057	Peter Project Manager	Safety Issue	Nov 1, 2007 5:20:55 PM	8443 4WD Loader	Fast Track
	Examine weather issues	00023	Pat Product Manager	Cost Reduction	Mar 1, 2008 2:32:48 PM	8443 4WD Loader	Fast Track
	Fast fill is too slow to fill	00045	Peter Project Manager	Safety Issue	Jul 13, 2008 12:28:59 PM	8443 4WD Loader	Fast Track
	Left platform needs a railing	00051	Peter Project Manager	Safety Issue	Sep 1, 2007 3:45:33 PM	8443 4WD Loader	Full Track
	Need to buy different hoses	00058	Pat Product Manager	Safety Issue	Nov 1, 2007 5:39:09 PM	8443 4WD Loader	Fast Track
	Preparation for Quality Audit	00022	Peter Project Manager	Cost Reduction	May 1, 2008 2:55:41 PM	8443 4WD Loader	Full Track
	Redevelop the automatic welding sequence.	00049	Pat Product Manager	Safety Issue	Aug 1, 2007 2:20:59 PM	8443 4WD Loader	Full Track
	Redevelop the platform steps	00052	Peter Project Manager	Safety Issue	Sep 1, 2007 3:54:07 PM	8443 4WD Loader	Fast Track
	Source a more effective cooling package	00047	Pat Product Manager	Safety Issue	Jul 13, 2008 12:53:50 PM	8443 4WD Loader	Full Track
	The backup alarm system needs to be re-engineered	00046	Peter Project Manager	Safety Issue	Jul 13, 2008 12:46:57 PM	8443 4WD Loader	Fast Track
	The lower step needs to be lower	00050	Pat Product Manager	Safety Issue	Sep 1, 2007 3:36:35 PM	8443 4WD Loader	Fast Track

You can also drill-down from pie chart 'slices' or bar chart 'bars' as show below:
 Let's say we want to view only ECRs that are a 'Safety Issue' – we can click on the Green bar in the bar chart.



The results display only the ECR data pertinent to the Safety Issue:

ECR Table By Container TARGET - Cognos Viewer - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://icenterv01.ptc.com/cognos8/cgi-bin/cognos.cgi

Windchill Business Reporting - ECR Table By Container TARGET

Pat Product Manager

ECR Information

State	Name	Number	Creator Full Name	Category	Created	Context (containerName)	Complexity
Resolved	Airconditioner design improvements	00056	Pat Product Manager	Safety Issue	Nov 1, 2007 5:08:54 PM	844J 4WD Loader	Full Track
	Amber lamp needs a brighter bulb	00054	Pat Product Manager	Safety Issue	Oct 1, 2007 4:29:52 PM	844J 4WD Loader	Full Track
	Buy brighter bulbs for the rear lights	00055	Pat Product Manager	Safety Issue	Oct 1, 2007 4:36:36 PM	844J 4WD Loader	Full Track
	Design a new housing to fit the new condensor	00057	Peter Project Manager	Safety Issue	Nov 1, 2007 5:20:55 PM	844J 4WD Loader	Fast Track
	Fast fill is too slow to fill	00045	Peter Project Manager	Safety Issue	Jul 13, 2008 12:28:59 PM	844J 4WD Loader	Fast Track
	Left platform needs a railing	00051	Peter Project Manager	Safety Issue	Sep 1, 2007 3:45:33 PM	844J 4WD Loader	Full Track
	Need to buy different hoses	00058	Pat Product Manager	Safety Issue	Nov 1, 2007 5:39:09 PM	844J 4WD Loader	Fast Track
	Redevelope the automatic welding sequence.	00049	Pat Product Manager	Safety Issue	Aug 1, 2007 2:20:59 PM	844J 4WD Loader	Full Track
	Redevelope the platform steps	00052	Peter Project Manager	Safety Issue	Sep 1, 2007 3:54:07 PM	844J 4WD Loader	Fast Track
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	The lower step needs to be lower	00050	Pat Product Manager	Safety	Sep 1, 2007 3:36:35 PM	844J 4WD Loader	Fast Track

Done Trusted sites

Accessing the report

The ECR dashboard is available in Windchill under the Change (major Tab)/Reports (minor Tab) menu:

Windchill

Event Manager | Clipboard | Help | E-mail Page | Hot Links | Copy Page

Recently Accessed | Search:

Home Program Product Project **Change** Library Organization Site Supplier

Changes Problem Reports Change Requests Change Notices Change Monitor **Reports**

Reports (5 of 5 total objects) Current View: Reports

Name	Actions	Description	Context	Ready For Use
Change Notice Status Report	Actions	This report lists state and status of all Change Notices.	Site	Yes
Change Request Status Report	Actions	This report lists state and status of all Change Requests.	Site	Yes
ECR Dashboard	Actions	Basic ECR Data and Status Information	Site	Yes
Problem Report Status Report	Actions	This report lists state and status of all Problem Reports.	Site	Yes
Variance Status Report	Actions	This report lists state and status of all Variances.	Site	Yes

(0 objects selected)

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To run the report, you can select Actions/View Report

Windchill

Event Manager | Clipboard | Help | E-mail Page | Hot Links | Copy Page

Recently Accessed | Search:

Home Program Product Project Change Library Organization Site Supplier

Changes Problem Reports Change Requests Change Notices Change Monitor Reports

Reports (5 of 5 total objects) Current View: Reports

Name	Actions	Description	Context	Ready For Use
Change Notice Status Report	Actions	This report lists state and status of all Change Notices.	Site	Yes
Change Request Status Report	Actions	This report lists state and status of all Change	Site	Yes
ECR Dashboard	View Information	Data and Status Information	Site	Yes
Problem Report Status Report	View Report	lists state and status of all Problem	Site	Yes
Variance Status Report	Edit			
	Delete			
	Actions	This report lists state and status of all Variances.	Site	Yes

(0 objects selected)

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or simply click the View Report icon .

Authoring the report

You can modify and create reports using the Cognos Report Studio directly from the Windchill interface. (NOTE: this is available if you have purchased the WBR authoring capabilities).

Windchill Business Reporting

wcadmin Log Off Home

Welcome

View Cognos content
Use [Windchill Business Reporting](#) to access reports, analyses and other Cognos content. Information for broad distribution can be stored and accessed from shared folders and pages. Private information, personalized content, and favorite reports can be stored and accessed from personal folders and pages.

Query your data
Use [Query Studio](#) to create simple queries and reports.

Create reports
Use [Report Studio](#) to create more advanced business reports.

Manage events
Use [Event Studio](#) to detect business events, invoke tasks, and track events and processes through their life cycle.

Manage Cognos content
Use [Windchill Business Reporting](#) to manage the Cognos content. This includes searching content, selecting output formats, setting schedules, emailing content, and managing saved output versions. Cognos Connection can also be used to define portal pages gathering related content into integrated subject areas.

☒ Show this page in the future

[Quick Tour](#)

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Choosing Report Studio allows you to edit existing reports and create new ones:

Windchill Business Reporting

wcadmin Log Off Home

Welcome

View Cognos content
Use [Windchill Business Reporting](#) to access reports, analyses and other Cognos content. Information for broad distribution can be stored and accessed from shared folders and pages. Private information, personalized content, and favorite reports can be stored and accessed from personal folders and pages.

Query your data
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Manage events
Use [Event Studio](#) to detect business events, invoke tasks, and track events and processes through their life cycle.

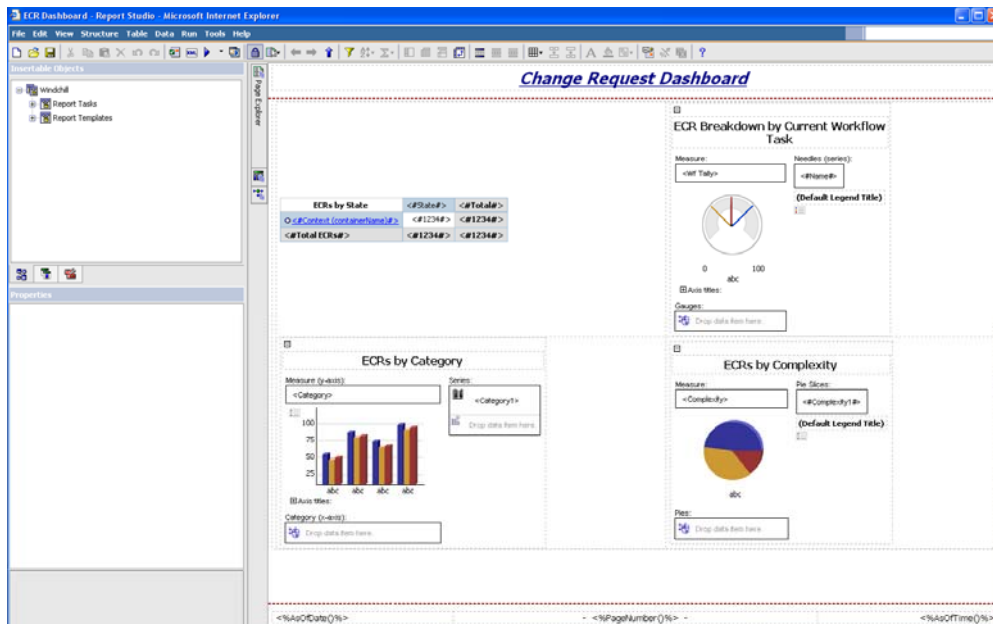
Manage Cognos content
Use [Windchill Business Reporting](#) to manage the Cognos content. This includes searching content, selecting output formats, setting schedules, emailing content, and managing saved output versions. Cognos Connection can also be used to define portal pages gathering related content into integrated subject areas.

☒ Show this page in the future

[Quick Tour](#)

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This opens the Cognos user interface (called Report Studio):



It is in the Report Studio where you can build the tables, charts, and graphs with or without drill-downs to provide your enterprise with the useful information required to analyze and share valuable information within your Product Development infrastructure.

For more details about Windchill Business Reporting, please visit the Product area of ptc.com or contact your PTC Account Manager.

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Tips of the Month

Multiple Monitor Configuration

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Tips of the Month

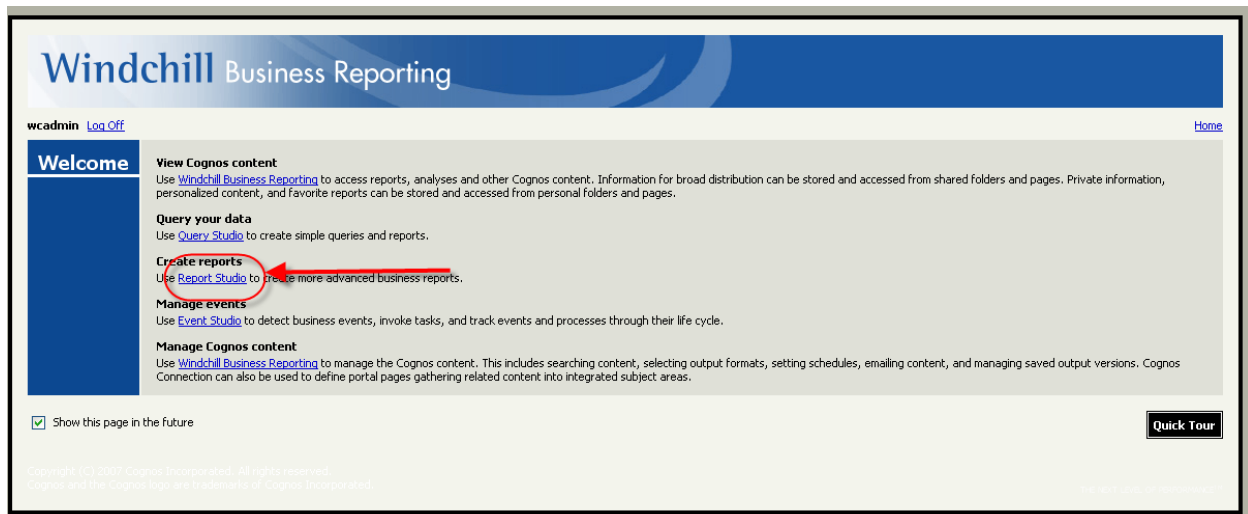
Adding Your Company Logo to a Windchill Business Report

As the saying goes, sometimes a little thing goes a long way. Take for example, adding your company logo to a business report. The following steps will illustrate how to add a logo to a report in the Windchill Business Reporting offering.

- 1) Download or copy a logo from your company website or from your company legal department correspondence:

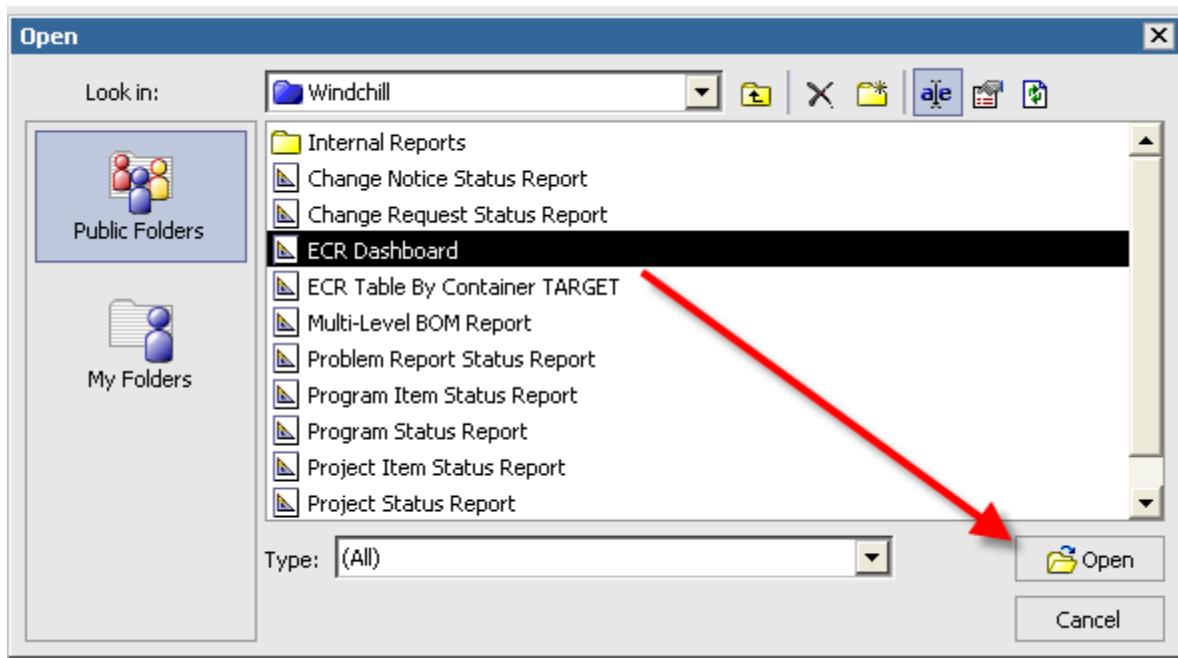


- 2) Use Snagit (or any screen capture tool) to Scale and Save the logo as a JPEG file to the Windchill server in the directory:
<server drive>:\Ptc\Tools\Cognos\webcontent\samples\images
- 3) Open an existing report in Cognos Report studio logged in as an admin:

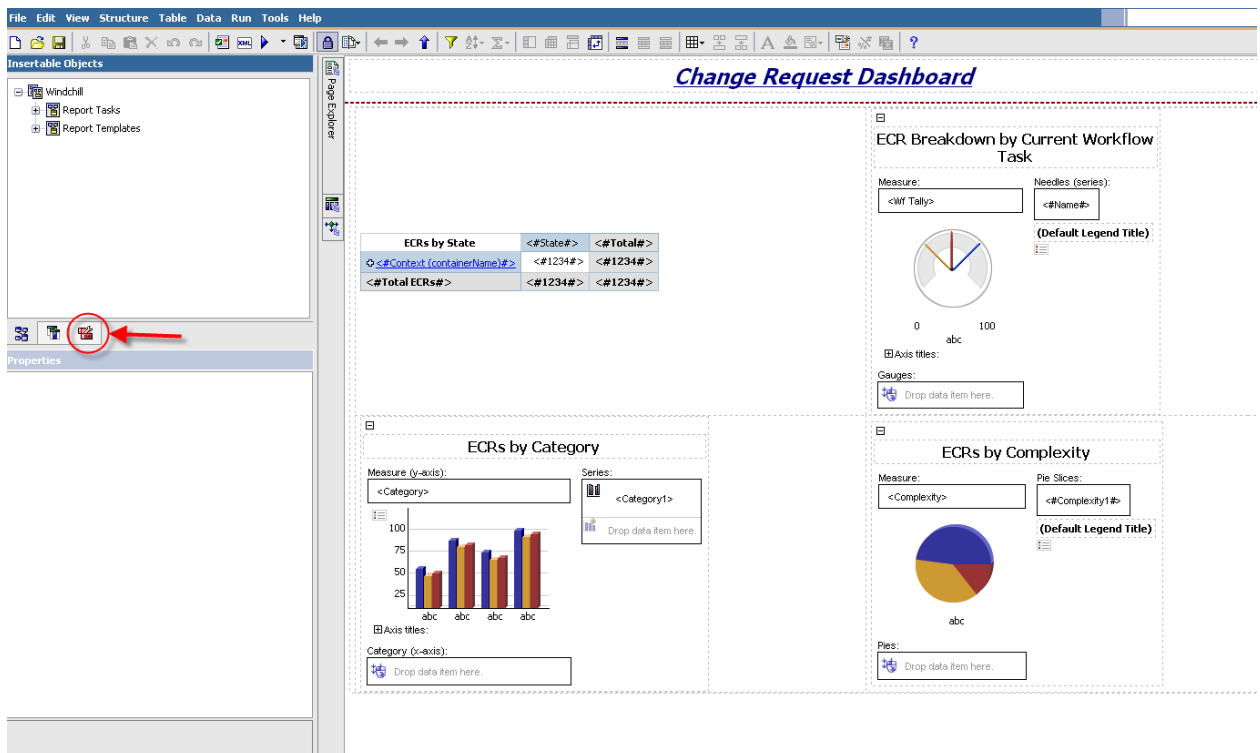


In this example, we will add the logo to the ECR Dashboard report:

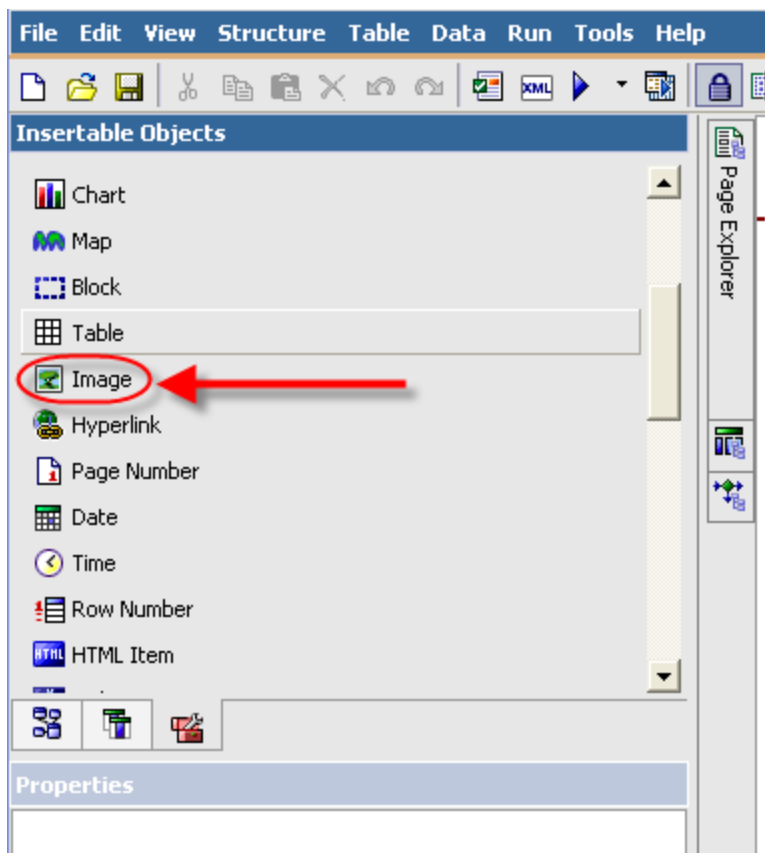




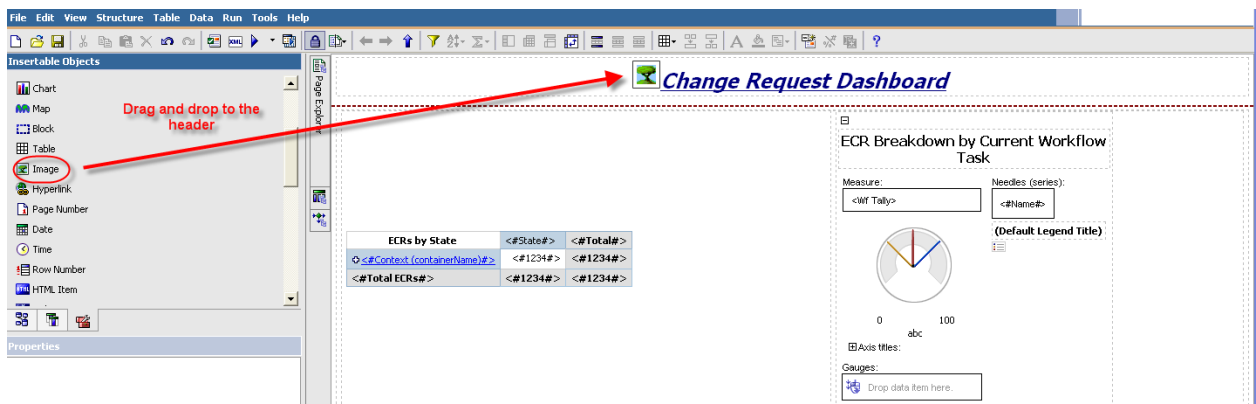
- 4) Once the ECR Dashboard report opens, we can use the Cognos Toolbox feature to add the logo to the report:



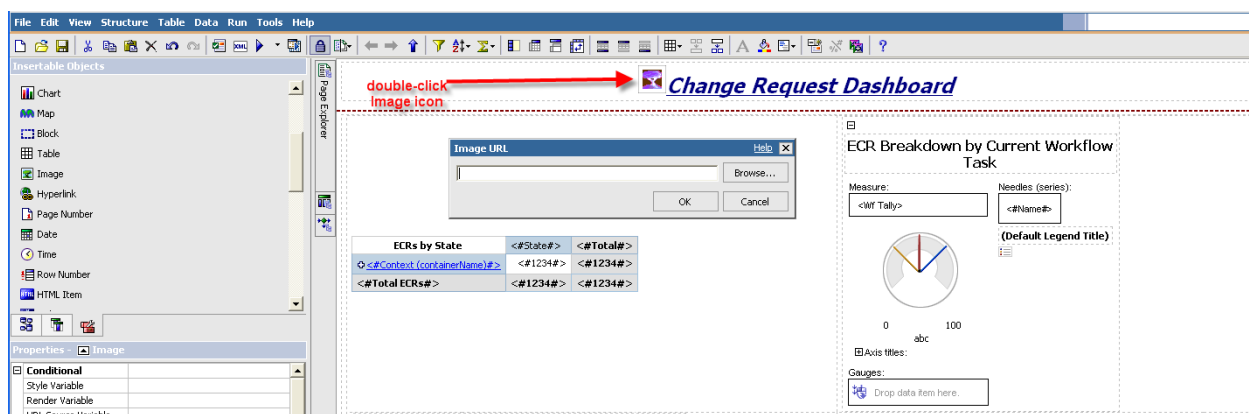
- Choose Image from the list of Insertable Objects:



- Click and hold the Image and drag it to the header area of the report:

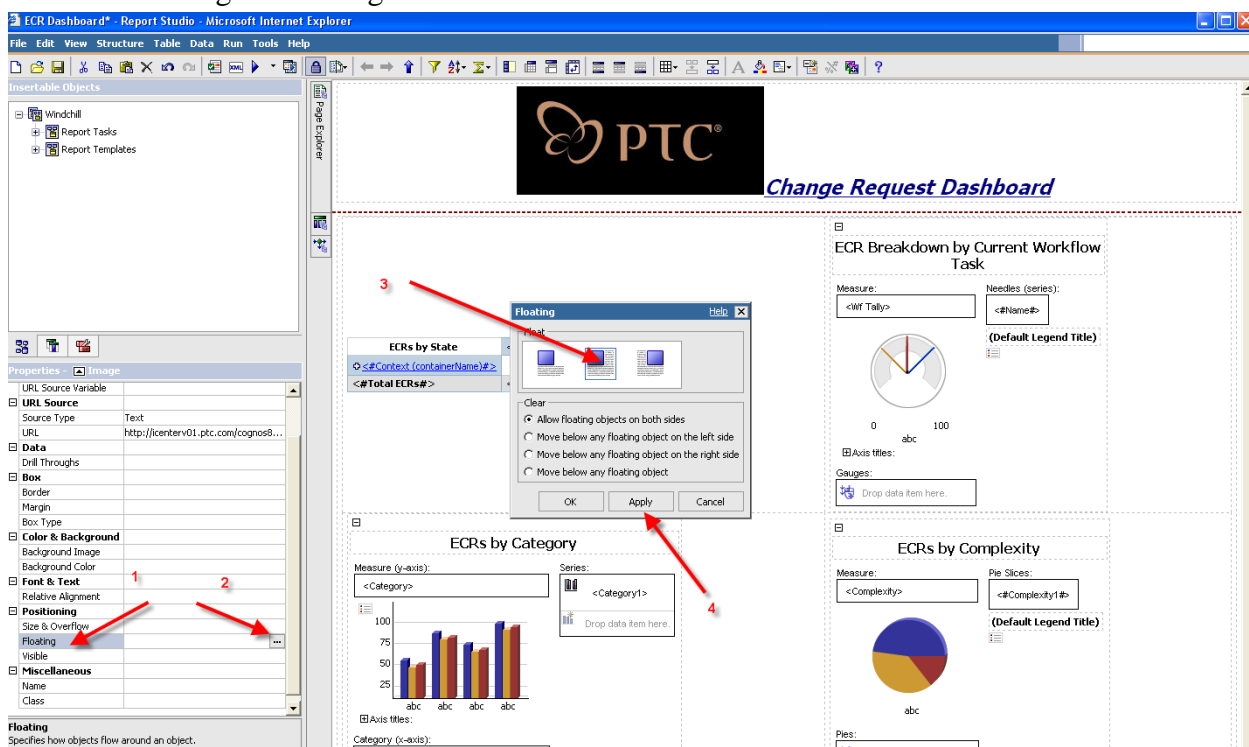


- Now, link the image to the logo image file on the server:

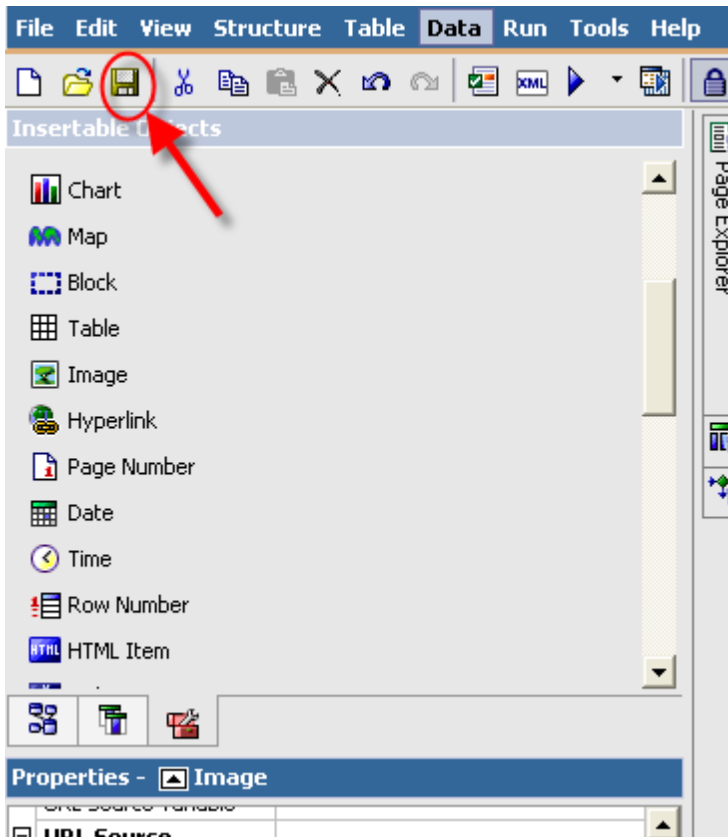


- Type the location of the logo file into the Image file dialog box:

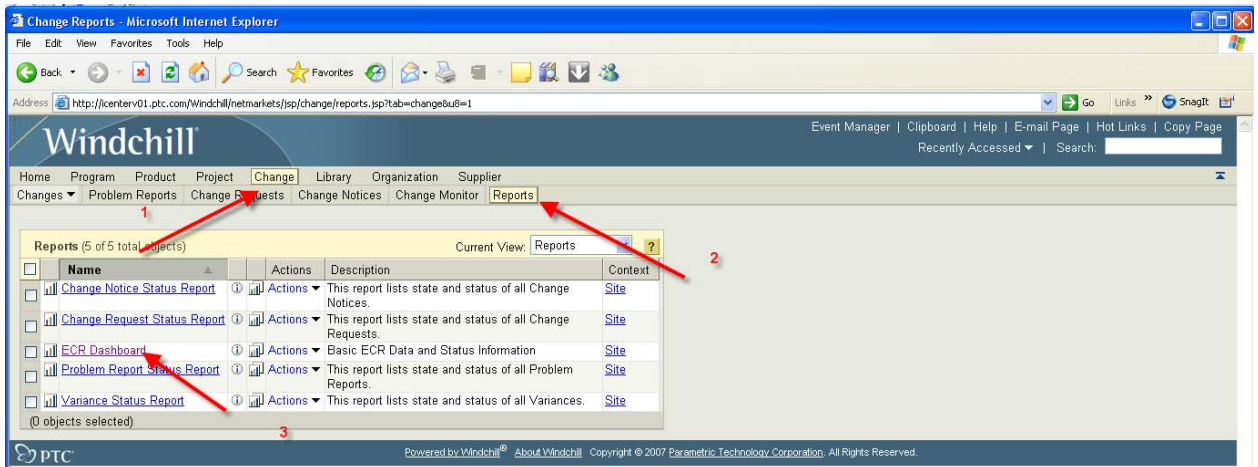
5) Position the image to left edge of the Header:

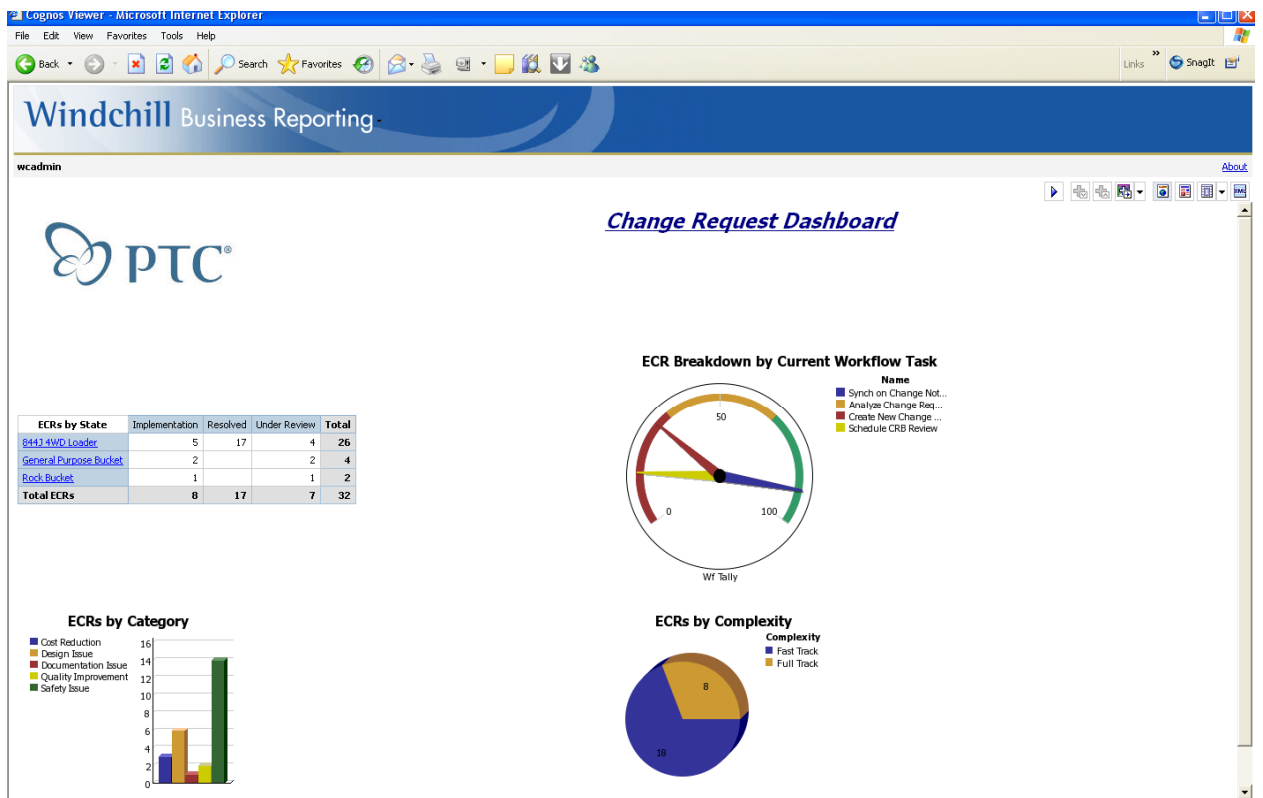


6) Save the report



7) View the result:





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Announcements

Educational Resource Library

Learn things you always wanted to do - but didn't know you could.

This one stop educational resource library will help you learn more about PTC Solutions and provide you with technical materials developed by the product experts to help you become more productive.

Get tutorials, how-to videos and expert advice for:

- Pro/ENGINEER
 - Conceptual and Industrial Design
 - Detailed Design
 - Simulation/Analysis
 - Production
 - Design Collaboration
- Windchill PDMLink
- Windchill ProjectLink
- Pro/INTRALINK
- PTC Online Tools

Check out the [Educational Resource Library](#) today.

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Miss an issue! Can't find that awesome technique you read about? Fear not, you can click on the link below and go through our Customer PTC E-Newsletter archives.

[Click Here To Access](#)

It's better than finding the Ark of the Covenant!

PTC Tips & Techniques Webcasts: Work Smarter. Not Harder.

Click below to see regularly scheduled Tips & Techniques technical Webcasts that are designed to provide you with the most popular time-saving tricks that Pro/ENGINEER users of all skill levels will find useful. Get more out of your maintenance dollars!

[Tips & Techniques: Work Smarter Not Harder!](#)

E-PROFILES IS HERE!!

We have been eagerly anticipating the debut of the new electronic version of Profiles Magazine and now it is here! This new web site will supplement the print edition of the magazine and will

provide new useful features not feasible with paper media. e-Profiles will provide you with 24x7, worldwide access to key information previously available exclusively in the print version. "Tips & Tricks," a popular feature pioneered by Pro/USER, has also moved to the web and will be expanded as the site matures.

Please take a few minutes to check out this new web site. We don't think you will be disappointed.

<http://profilesmagazine.com/>

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Upcoming Events & Training Class Schedules

Upcoming, 2008/2009 Your local Pro/Engineer User Groups
<http://www.ptcuser.org/rugs/>

June 7 – 10, 2009 Orlando, FL USA
PTC/USER World Event
<http://www.ptcuser.org/>

Events

Our seminars and conferences seek to provide you with relevant information regarding product development trends in your industry as well as innovative software learning experiences. Think of them as a constructive day off where you can share experiences and swap ideas with your peers.

If you can't manage to get away, we'll bring it to you. Check back often for regularly scheduled live webcast events.

[You're Invited to Attend...](#)

Please visit the [PTC Education Services](#) website for the latest training information including course descriptions, schedules, locations, and pricing.

- Attend a course at any PTC Center and receive a **free** copy of Pro/ENGINEER Wildfire Student Edition!

<http://www.ptc.com/services/edserv/index.htm>

Live Instructor-Lead Virtual PTC Training Courses

Virtual Classrooms provide interactive learning with a trained PTC instructor in convenient and manageable sessions that last approximately 4 hours over a series of days. It's easy to join a class right from your desk using a phone or voice-over IP technology.

Sessions are performed just like a traditional ILT (including interactive exercises where you and the instructor can work on lab exercises together) and feature some of our most popular ILT courses. These sessions cover the exact same material as the traditional ILT in-center courses. Also look for some of our most frequently requested mini-topics delivered in the same format that are only an hour - two hours in duration.

If you have any questions about these sessions or would like to see getting other courses, not on this list, on the schedule please feel free to contact me for more details. They are a great way to bring training to you without you having to worry about location or being out from work for long stretches.

You can register for these sessions just as you would for any normal ILT class either by:

1. calling order admin at <http://www.ptc.com/services/edserv/training/registra.htm> or
2. you can go to PTC University directly at <http://www.ptc.com/learning> and submit a registration request directly. All you have to do is search the catalog by typing in “virtual” in the search field and you will see a listing.

PTC

Note: This PTC E-Newsletter will continue to be used for the following:

- 1) Inform you on events related to PTC products (user groups, conferences, training schedules, etc.)
- 2) Educate you on solutions that are available at PTC
- 3) Tips & Techniques using PTC Products

Note: These messages are compiled in the local PTC office and will be distributed via e-mail.

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