



PTC Product Focus: A) [Accelerating Electromechanical Design Collaboration](#)

B) [ERP Connector](#)

Tips of the Month: A) [Using Your System True Type Fonts in Pro/Detail](#)

B) [Using Both Pro/ENGINEER Wildfire 3.0 and 4.0 w/out Corrupting Local Cache](#)

Announcements: [Most Recent Announcements](#)

Upcoming Events & Training Schedule: [Events & Training Schedule](#)

PTC Product Focus

Accelerating Electromechanical Design Collaboration

[Click Here To View](#)

[Back To Top](#)

PTC Product Focus

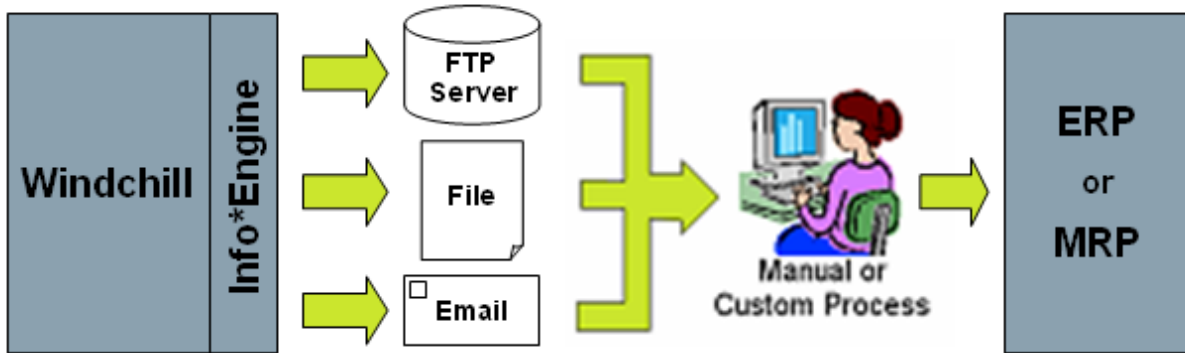
ERP Connector

ERP Connector is a product designed to leverage current standard Enterprise System Integration (ESI) capabilities on the Windchill side, without using any third-party EAI software. This uni-directional integration enables the publication of product information stored in Windchill PDMLink to distribution targets in XML to a file, ftp, email or JMS.

ERP Connector enables the transfer and mapping of business objects, such as parts, Bills of Materials (BOMs) Enterprise Change Notices (ECNs) and documents, from Windchill PDMLink to the distribution targets, and also serves as the foundation for more advanced transaction-managed integrations. It does this using existing PDMLink ESI resources, Part and Change Management Life Cycle and Workflows. Connecting these systems optimizes and automates business processes, improves operational efficiencies, and creates opportunities to add value not available with isolated systems. By controlling seamless information flow between functional groups, such as engineering and manufacturing and their respective enterprise applications, it ensures that:

- Latest product data information is represented in both systems and changes to product data are automatically reflected in the distribution target.

- Latest design revisions are always available to manufacturing.
- Downstream services, such as logistics, finance, after-market support that depend upon and use ERP systems, are also up-to-date.



Using the Graphical User Interface (GUI)-based development environment, ERP Connector can be customized to include unique business processes that are not provided in its default set of functions.

ERP Connector includes the following key features:

- Enables Windchill PDMLink users to publish various business objects to distribution targets via file, ftp or email export
- Supports publishing from a Windchill PDMLink instance to one or more distribution targets
- Provides an architectural foundation that can be extended and enhanced to integrate to ERP, MES or legacy PLM systems

The out-of-the-box ERP Connector features allow you to:

- Publish objects from within Windchill PDMLink using the following methods:
 - Sample workflow
 - Customized workflow
 - Custom calls to various functions available in Windchill PDMLink.
 - Ad hoc operations from a menu command in the object properties page

The following outlines the functions of the key components of a ERP Connector System:

- Info*Engine provides the standard interface to Windchill PDMLink, creating a single channel to multiple external environments.
- ERP Connector interfaces with the ESI Services to produce output from Windchill PDMLink in a format that can be easily accepted by one of the three types of distribution targets. This output can then be processed and mapped to a distribution target such as a file system. The output from Windchill PDMLink is in XML format.
- ERP Connector does not contain the middleware business logic that would allow for two-way communication. Instead, ERP Connector communicates in one direction only (from Windchill PDMLink to the distribution target).

- ERP Connector allows for the manual customization of all Windchill components in order to create business objects in a format that is acceptable for each individual distribution target.

[Back To Top](#)

Tips of the Month

Using Your System True Type Fonts in Pro/Detail

[Click Here To View](#)

[Back To Top](#)

Tips of the Month

Using Both Pro/ENGINEER Wildfire 3.0 and 4.0 w/out Corrupting Local Cache

Sometimes you may need to have different versions of Pro/ENGINEER running to support both your internal needs and / or your external supply chain. In order not to corrupt your local cache while switching between, for eg., Wildfire 3.0 and Wildfire 4.0, we need to follow two steps:

Step 1

Let's change the location of the local cache to non-default directories by setting the environment variables PTC_WF_ROOT and/or PTC_WF_CACHE prior to starting Pro/ENGINEER.

If there is already a ".wf" directory created, it must be deleted in order for the new location to be used. The ".wf" or ".cache" directories cannot be moved because Pro/ENGINEER cannot reuse a relocated cache directory. The directory must be created initially by Pro/ENGINEER in the new location.

Note: The list of objects downloaded and/or checked out to a workspace is also stored on the server, so deleting the cache directory only deletes the local file copies and saved data.

PTC_WF_CACHE only controls the location of the local object cache.

PTC_WF_ROOT controls the location of both the settings files and local object cache as long as PTC_WF_CACHE is not also set.

Examples:

Unix

1. `rm -r $home/.wf`
2. `setenv PTC_WF_ROOT /disk1/.wf`
3. `setenv PTC_WF_CACHE /disk2/.cache`
4. Start proeWildfire

Windows

1. Set the variable(s) in the Control Panel/System utility:
 - a. PTC_WF_ROOT=f:\temp\wf
 - b. PTC_WF_CACHE=f:\temp\local_cache
2. Delete the <user profile>\Application Data\PTC\ProENGINEER directory.
3. Start proeWildfire.

Step 2

Based on the above technique, you would need to create the following two directories:

- f:\temp\wf3
- f:\temp\wf4

one for each version of Wildfire. And to make it easier for ourselves, do not set the PTC_WF_CACHE variable.

Then prior to launching whichever version of Wildfire, set your PTC_WF_ROOT variable to point to the directory of whichever version of Wildfire you are launching.

You can also add the following to both your proe***.psf files located in their respective <ProE home>/bin directories:

```
ENV=PTC_WF_ROOT= f:\temp\wf3 - for WF 3.0
```

```
ENV=PTC_WF_ROOT= f:\temp\wf4 - for WF 4.0
```

Make sure that you're using proe***.bat from the same <ProE home>/bin directory to start Pro/ENGINEER. It will use proe.exe to start and will load proe***.psf.

This way the correct PTC_WF_ROOT will be loaded every time.

In case you are running out of space on the drive partition, you can use PTC_WF_CACHE and point it to another drive, but you would need to follow the same step as above and have two local cache directories, one for each version of Wildfire. You would then need to adjust the PTC_WF_CACHE variable (or add it to the .psf file) as well when switching between the different versions.

And that's it.

Now if you need to run multiple simultaneous of Pro/ENGINEER, using your PTC Tech Support Account ID and password, you can access the following tip from the PTC Knowledge Base:

[Guidelines For Workspace And Workspace Cache Usage With Pro/ENGINEER Wildfire](#)

If you don't have an account and would like to set one up, click [here](#) to sign-up. There's also a [5 minute video](#) that shows you how to do this as well.

[Back To Top](#)

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.

PTC Tips & Techniques Newsletter Archives

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/>

[Back To Top](#)

Upcoming Events & Training Class Schedules

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

June 1 – 4, 2008 Long Beach, CA 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.

[Back To Top](#)