

[illegible]

LLNL-PRES-775233

Boston PTC Live 2014



## It's all about the money!

Save money by:

- Managing licenses availability
- Properly allocating licenses
- Knowing your usage

Topics

- License Management
- What's with the new Flexnet software?



1. Users can choose an appropriate license
2. Specific folks can access specific licenses
3. Ensure you have enough licenses

Must understand:

- License types and how to configure them
- License options file
- How to track usage



Creo comes in different offerings



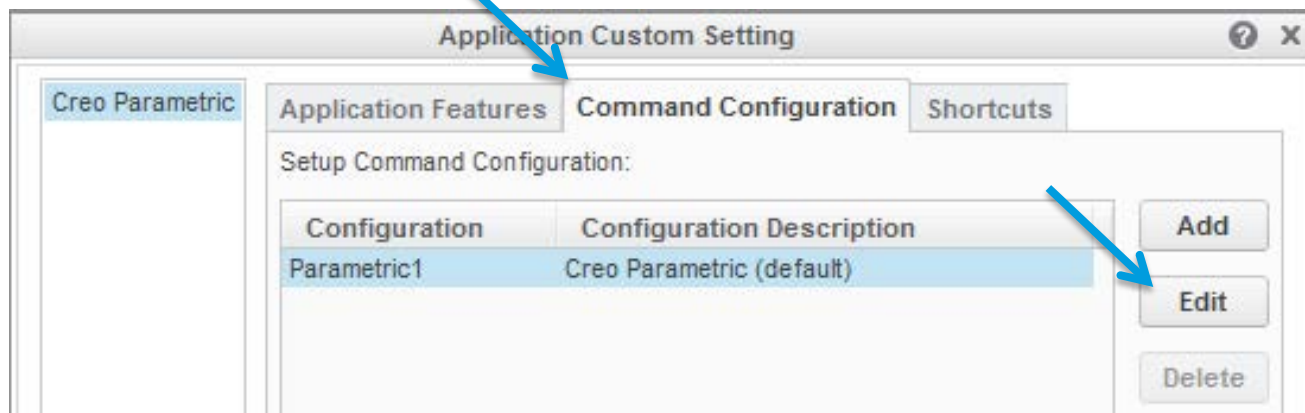
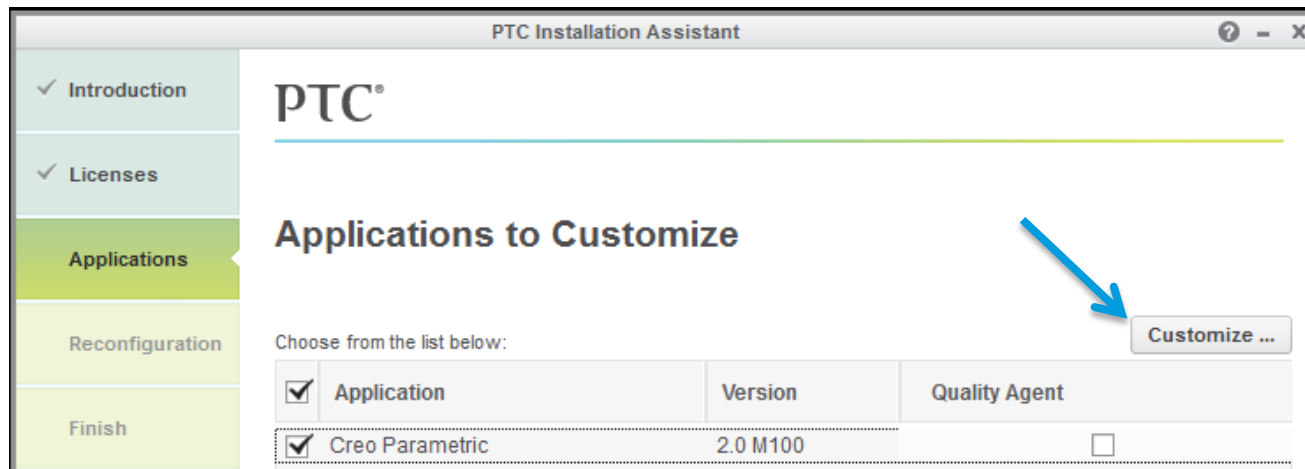
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## Optional Components

- Floating Options - Used when you access it
- Startup Extensions - Used when you start Creo - these float also



The screenshot shows the 'Edit configuration' dialog box with the following fields and sections:

- Configuration Name:** Parametric1
- Configuration Description:** Creo Parametric (default)
- Available License(s):**
  - Startup Extensions:** Reverse\_Engineering, Advanced\_Framework, INTF\_for\_CATIA\_V5, INTF\_for\_CATIA\_V5\_ADV, Manikin, Manikin\_Analysis, Legacy\_Migration, Flexible\_Modeling, VERIFY
  - Floating options:** PVANIMATION, MESH, ADVANCED\_RENDER, Digital\_Rights\_Mgt, Tolerance\_Analysis, ADVANCED\_RENDER\_2, NC\_Sheetmetal\_SET, Comp-Aided\_Verif\_SET, NC-COMPLETE\_SET, MATHCAD\_IMPROC, MATHCAD\_DATAPACK, MATHCAD\_SIGNAL, MATHCAD\_WAVELETS
- Selected License(s):**
  - License to run:** PROE\_Flex3C, PROE\_AdvSE
  - Startup extensions and floating options:** (Empty list)

Annotations and their targets:

- Only active on creation:** Points to the 'Configuration Name' field.
- Startup menu name:** Points to the 'Configuration Description' field.
- License run order:** Points to the 'License to run' list.
- If first set is used up or restricted, rolls to next set:** Points to the 'Startup extensions and floating options' list.
- Change the run order:** Points to the up/down arrow buttons next to the 'License to run' list.
- These licenses are used when Creo starts up:** Points to the 'Startup extensions and floating options' list.

Buttons at the bottom: OK, Cancel

**Add configuration**

Configuration Name:

Configuration Type:

Configuration Description:

**Available License(s)**

- ▼ Startup Extensions
  - Reverse\_Engineering
  - Advanced\_Framework
  - INTF\_for\_CATIA\_V5
  - INTF\_for\_CATIA\_V5\_ADV
  - Manikin
  - Manikin\_Analysis
  - Legacy\_Migration
  - Flexible\_Modeling
  - VERIFY
- ▼ Floating options
  - PVANIMATION
  - MESH
  - ADVANCED\_RENDER
  - Digital\_Rights\_Mgt
  - Tolerance\_Analysis
  - ADVANCED\_RENDER\_2
  - Comp-Aided\_Verif\_SET
  - MATHCAD\_IMPROC
  - MATHCAD\_DATAPACK
  - MATHCAD\_SIGNAL
  - MATHCAD\_WAVELETS

**Selected License(s)**

License to run

- PROE\_Flex3C
- PROE\_AdvSE

Startup extensions and floating options

- NC-COMPLETE\_SET
- NC\_Sheetmetal\_SET

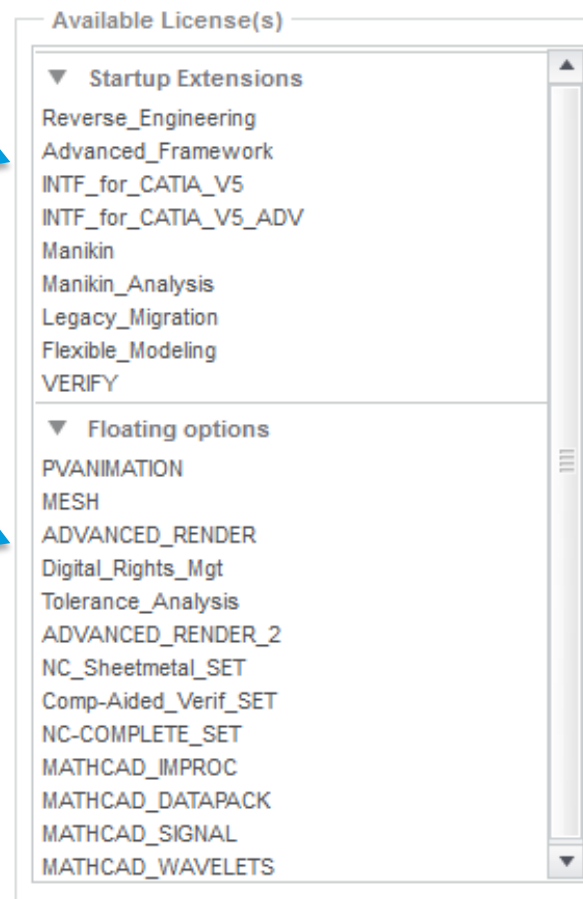
OK Cancel

These Floating Options  
have to be configured



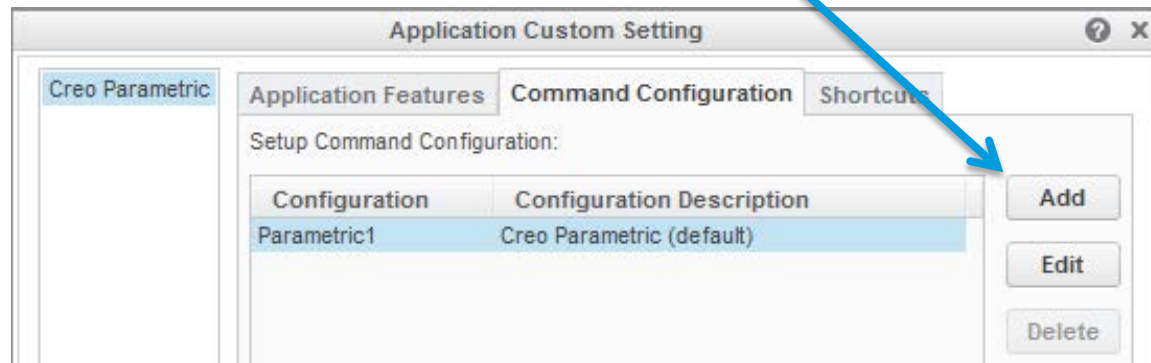
Startup Extensions are **unavailable** if they are not configured into a command

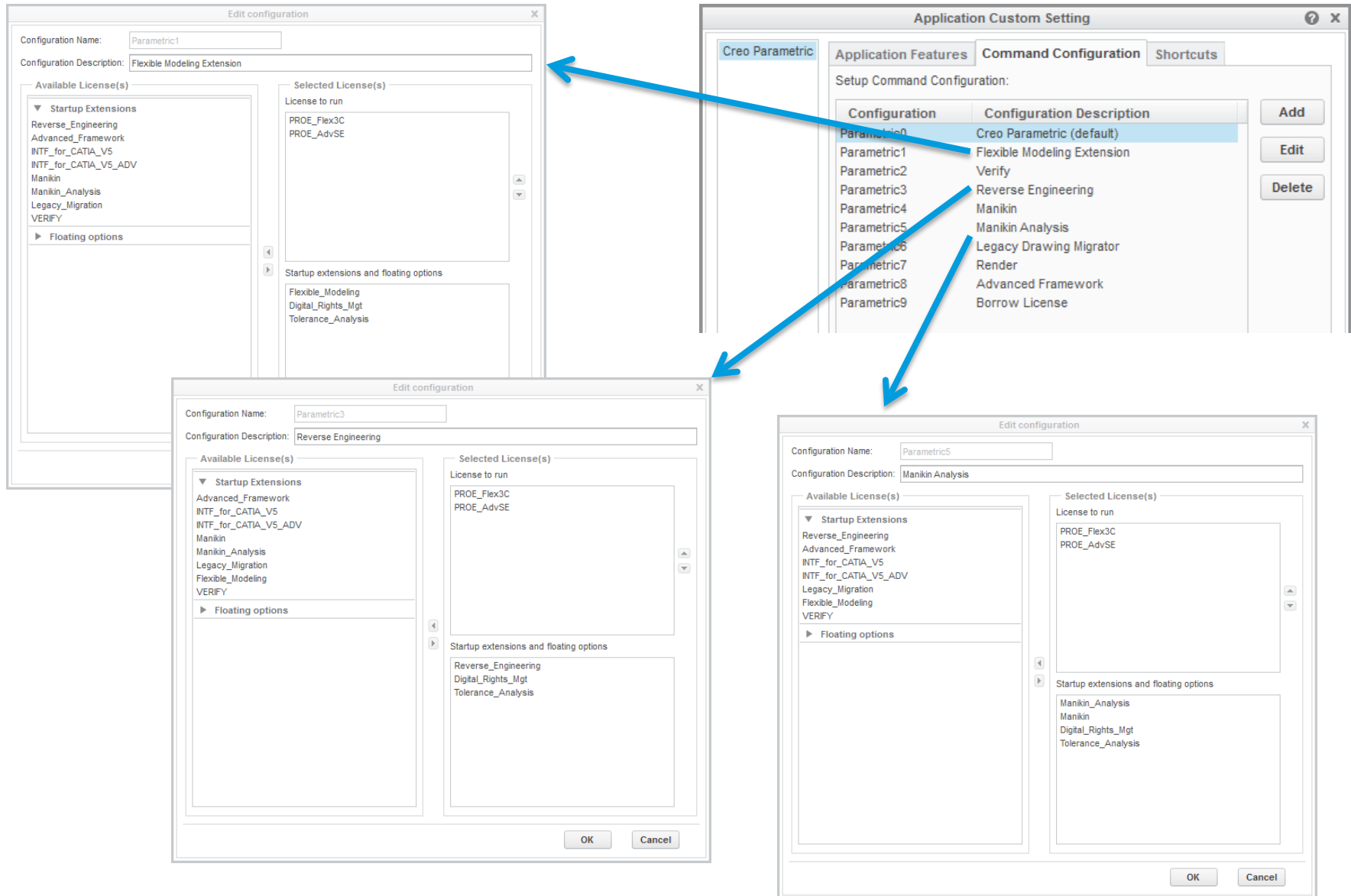
Floating Options are **used up** if they are configured into a command



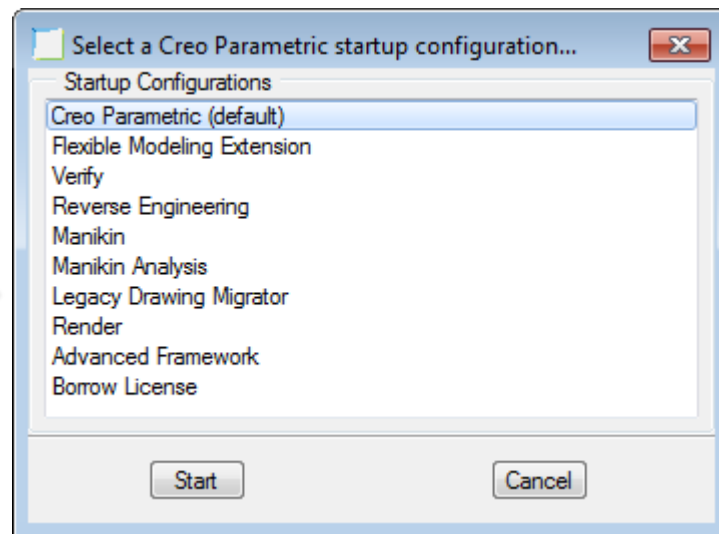
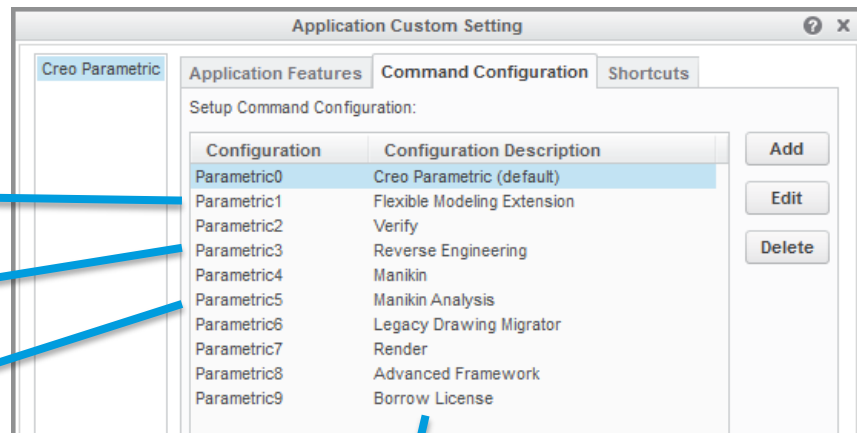
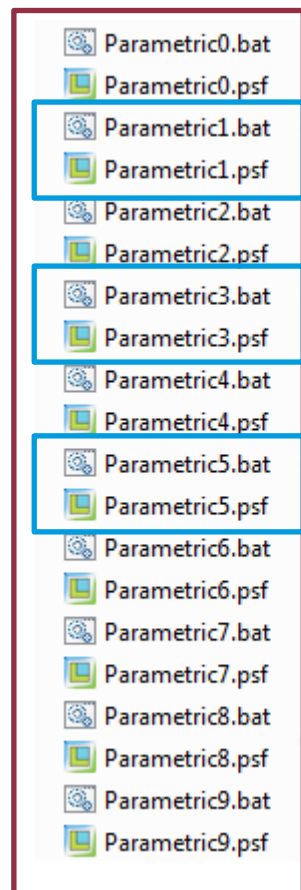


You can add additional startup commands  
each can have their own licenses configuration



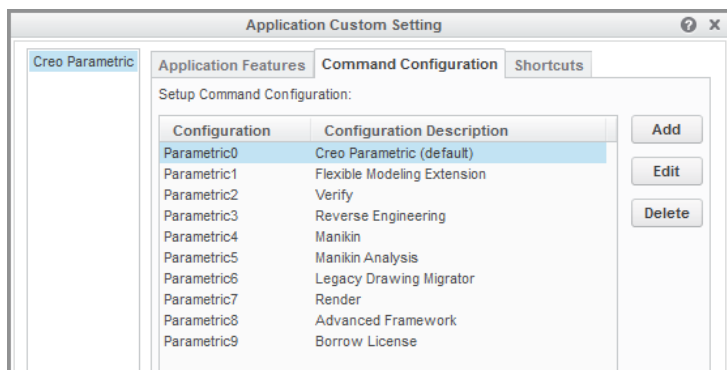


Files created in  
parametric/bin folder



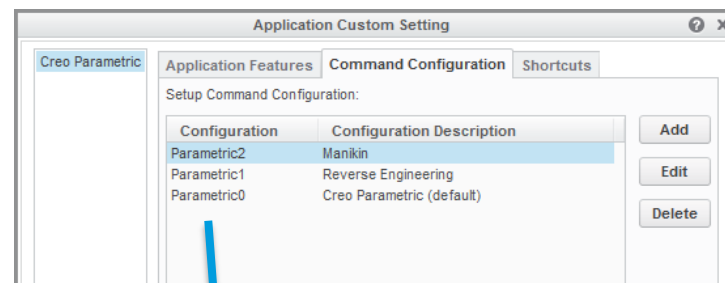
## Creo 2.0 f000 – m090

Reverse order of creation  
Order of Description column

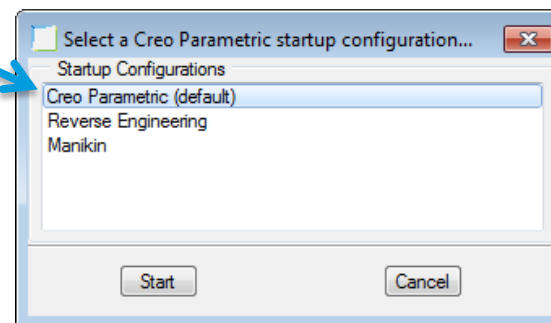
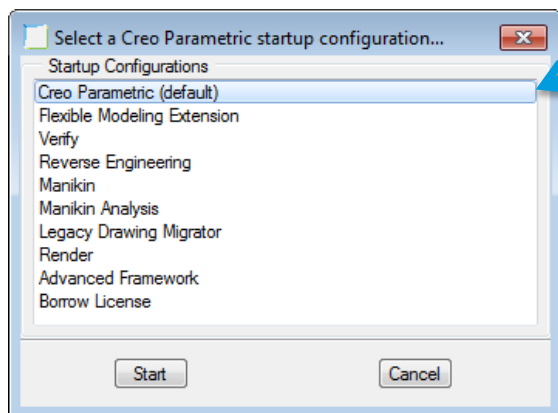


## Creo 2.0 m100 & all ProE

Alphabetical order of  
Configuration name



Default choice  
Should be 1<sup>st</sup>



## The Good:

- Buy few copies of expensive options and float them to any user
- All clients get the same licenses

## The Bad:

- Most users are not used to selecting the license at run time
- You have to exit and restart to get a license you might need

The Ugly:  
Configure unique licenses on client machines



Expert Framework



Manikin



Giving framework to Wilma requires  
reconfiguring two client machines



## Your License File

```
##### FLOATING License #####  
# Serviceable = Creo Enterprise SE (formerly Pro/ENGINEER)  
# Feature Name = PROE_Flex3C  
# Feature Version = 33.0  
  
##### Super Bundle 10114 Instance #####  
# Serviceable = Complete Machining Option  
# Feature Name = 10114  
# Feature Version = 33.0
```

The version changes with each release of Creo





Your users:

Need the active directory username for each user

The ptc.opt file

Located in:

`C:\Program Files\PTC\FLEXnet Admin License Server\licensing`

By default has two lines:

1. `REPORTLOG +"C:\Program Files\PTC\FLEXnet Admin License Server\logs\ptcreport.log"`
2. `TIMEOUTALL 7200`



## Creating Groups:

GROUP flintstone fred wilma pebbles dino



Group name



Group members

## Another group:

GROUP rubble barney betty bammbamm

## Reserve Licenses for a group:

RESERVE 4 PROE\_Flex3c:VERSION=33.0 GROUP flintstone  
RESERVE 3 PROE\_Flex3c:VERSION=33.0 GROUP rubble



Can be any option or Creo flavor

ProE\_AdvSE – Foundation Creo  
10114 – Complete Machining Set



ptcstatus.bat output:

PROE_Flex3C	3	7	^(fred@coaststarlight)	PROE_Flex3C	stonequarry	7788	3750
			(barney@southwestchief)	PROE_Flex3C	stonequarry	7788	3472
			(betty@californiazephyr)	PROE_Flex3C	stonequarry	7788	4837
			(flintstone@)	PROE_Flex3C	stonequarry	7788	0
Reserved, in use			(flintstone@)	PROE_Flex3C	stonequarry	7788	0
			(flintstone@)	PROE_Flex3C	stonequarry	7788	0
Reserved, not in use			(rubble@)	PROE_Flex3C	stonequarry	7788	0

Fred has borrowed this license

^(fred@coaststarlight)



Why change the order of licenses to run?

Large group of users  
Continually changing



License to run

PROE_AdvSE
PROE_Flex3C

▲ ▼

Smaller group of users  
Mostly static



License to run

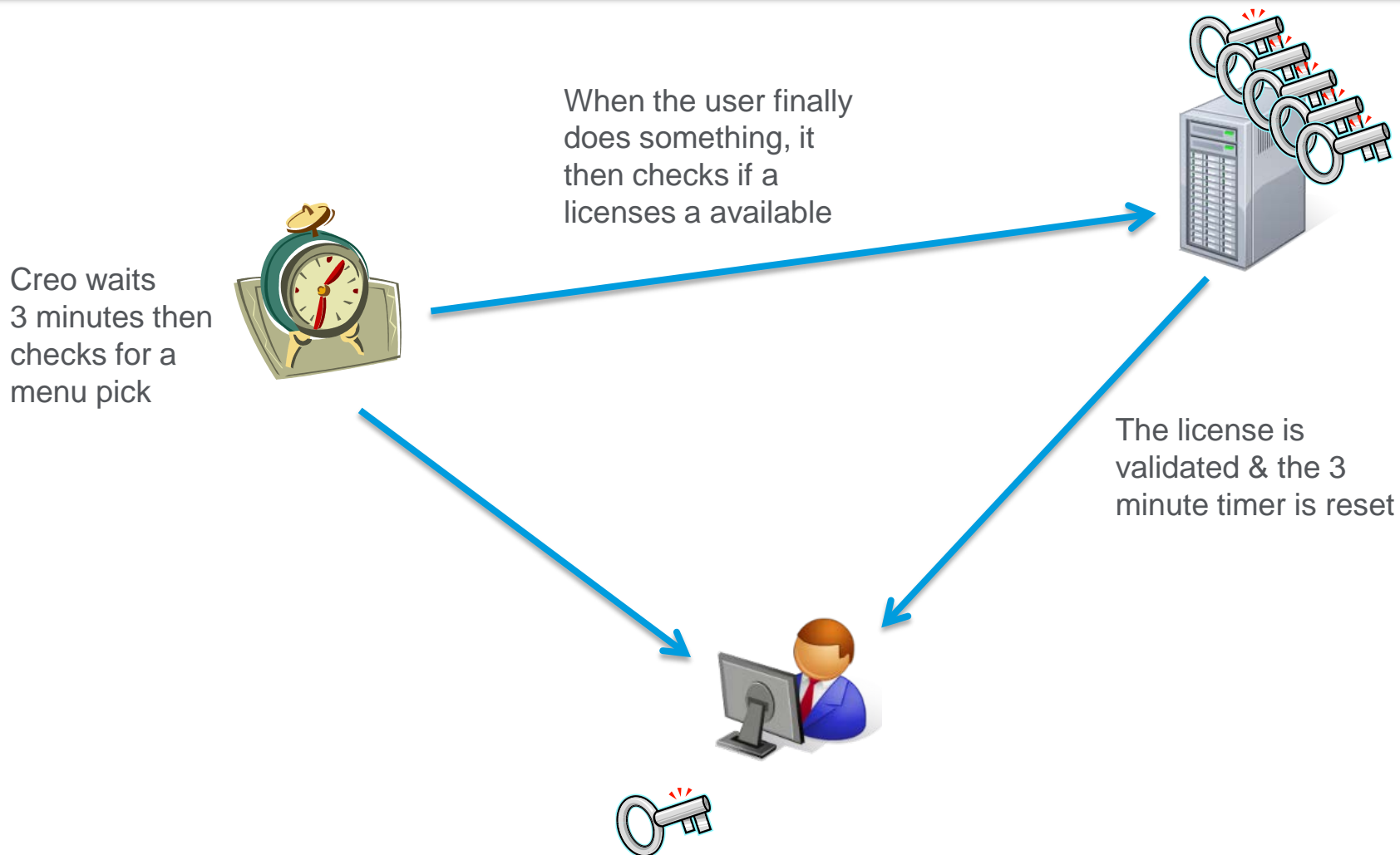
PROE_Flex3C
PROE_AdvSE

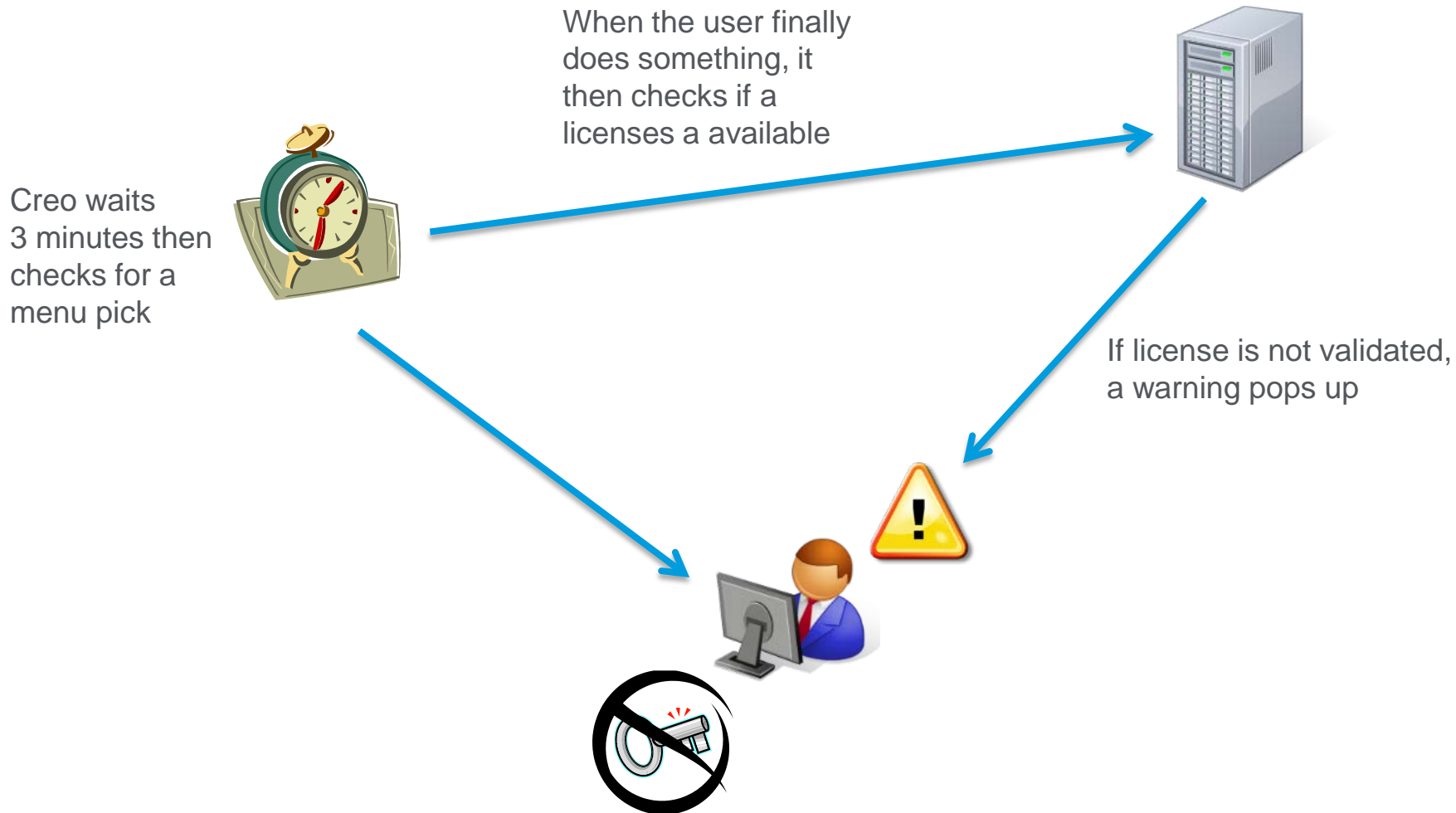
▲ ▼

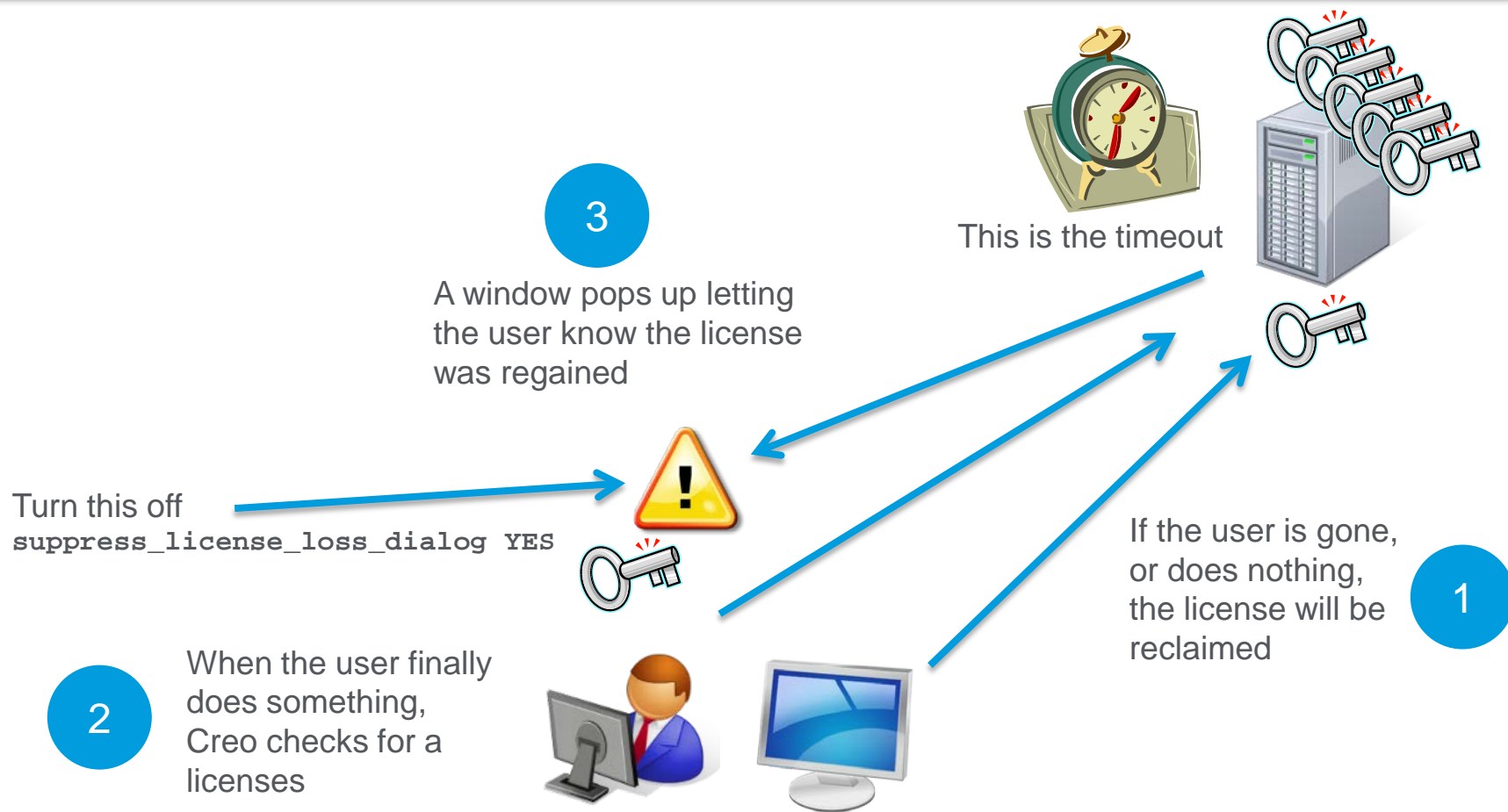
I reserve for this group

Let anyone use  
PROE\_AdvSE

# How Licensing Works











Three general categories

1. Working hard on Creo most of the day
2. Meetings or product research, big breaks in usage
3. Writing a document, in Creo very little

Floating Licenses are so you can take advantage of this varied usage

2 hour timeout means almost no licenses would be released

Minimum timeout is 20 minutes

**TIMEOUTALL 1200**



# Complete ptc.opt example file

```
REPORTLOG +"C:\Program Files\PTC\FLEXnet Admin License Server\logs\ptcreport.log"  
TIMEOUTALL 1200  
GROUP flintstone fred wilma pebbles dino  
RESERVE 4 PROE_Flex3c:VERSION=33.0 GROUP flintstone  
GROUP rubble barney betty bammabamm  
RESERVE 3 PROE_Flex3c:VERSION=33.0 GROUP rubble
```

You have to track licenses to know

ptcstatus command reports the current usage

Use information from it to build data files at 15 minute intervals

Need Perl for this script:

Suggest “Active Perl” <http://www.activestate.com/activeperl>

## Track\_licenses.bat:

1. `set PATH=%PATH%; "C:\ptc\Creo  
2.0\Parametric\bin\;"C:\Perl64\bin\perl.exe"`
- 2.
3. `ptcstatus.bat /nopause | perl -ne "print $1, \"\t\",  
scalar localtime(time), \"\t\", $2, \"\n\" if $_ =~  
/\s+(PROE_Flex3C)\s+(\d+)\s+\d+/ ">>c:\PTC\tracking\data-FLEX3C.txt`
4. `ptcstatus.bat /nopause | perl -ne "print $1, \"\t\",  
scalar localtime(time), \"\t\", $2, \"\n\" if $_ =~  
/\s+(PROE_AdvSE)\s+(\d+)\s+\d+/ ">>c:\PTC\tracking\PROE_AdvSE.txt`
5. `ptcstatus.bat /nopause | perl -ne "print $1, \"\t\",  
scalar localtime(time), \"\t\", $2, \"\n\" if $_ =~  
/\s+(Mathcad)\s+(\d+)\s+\d+/ ">>c:\PTC\tracking\data-Mathcad.txt`



# How Many Licenses?

```
ptcstatus.bat /nopause | perl -ne "print $1, \"\t\",  
scalar localtime(time)), \"\t\", $2, \"\n\" if $_ =~  
/\s+(PROE_Flex3C)\s+(\d+)\s+\d+/" ">>c:\PTC\tracking\data-FLEX3C.txt
```

Look for this:

(PROE\_Flex3C)

Append the data to this file:

```
">>c:\PTC\tracking\data-FLEX3C.txt
```

The output line is tab delimited.

```
PROE_Flex3C      Fri May  9 11:46:51 2014  11
```



Create a scheduled task to output data periodically

```
schtasks /create /sc minute /mo 15 /ru "System" /tn "Track PTC Licenses" /tr C:\PTC\Track_licenses.bat
```

# How Many Licenses?

Create a scheduled task to output data periodically

```
schtasks /create /sc minute /mo 15 /ru "System" /tn "Track PTC Licenses" /tr C:\PTC\Track_licenses.bat
```

run the script every 15 minutes:

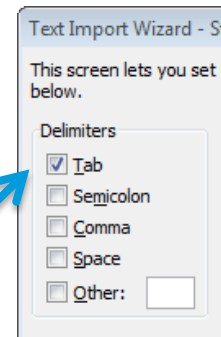
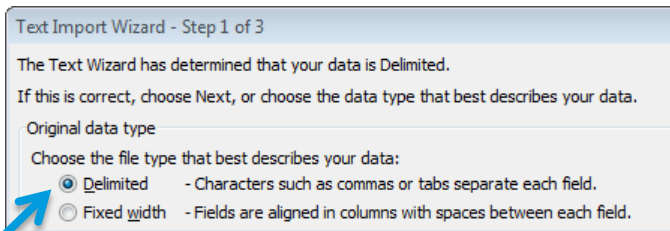
```
/sc minute /mo 15
```

Name of the scheduled task:

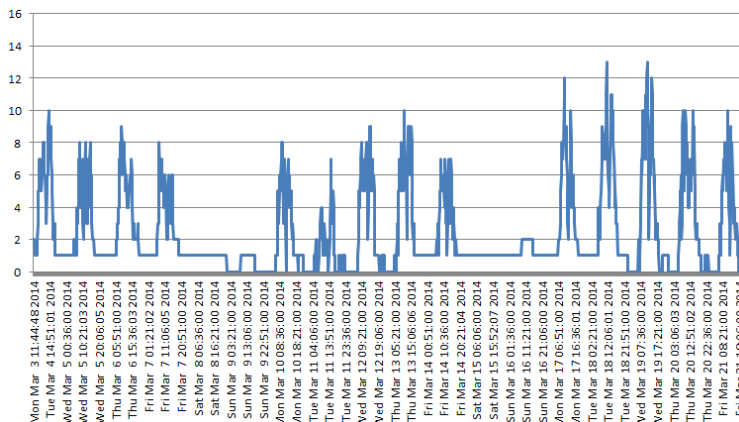
```
/tn "Track PTC Licenses"
```

Command to run: (my bat file)

```
/tr C:\PTC\Track_licenses.bat
```



Import data file into Excell as tab delimited



	A	B	C
4036	PROE_Flex3C	Tue Apr 15 09:06:00 2014	7
4037	PROE_Flex3C	Tue Apr 15 09:21:00 2014	10
4038	PROE_Flex3C	Tue Apr 15 09:36:00 2014	11
4039	PROE_Flex3C	Tue Apr 15 09:51:01 2014	12
4040	PROE_Flex3C	Tue Apr 15 10:06:00 2014	9
4041	PROE_Flex3C	Tue Apr 15 10:25:22 2014	11
4042	PROE_Flex3C	Tue Apr 15 10:36:55 2014	13
4043	PROE_Flex3C	Tue Apr 15 10:51:03 2014	13
4044	PROE_Flex3C	Tue Apr 15 11:06:02 2014	10
4045	PROE_Flex3C	Tue Apr 15 11:21:02 2014	8
4046	PROE_Flex3C	Tue Apr 15 11:36:01 2014	9
4047	PROE_Flex3C	Tue Apr 15 11:51:01 2014	9
4048	PROE_Flex3C	Tue Apr 15 12:06:00 2014	9
4049	PROE_Flex3C	Tue Apr 15 12:21:00 2014	5
4050	PROE_Flex3C	Tue Apr 15 12:36:00 2014	3



# This script will not...

- Will not track usage of groups or divisions

Flexera has software for that – may be worth the money

Or use “CADminTools license tracker”

See Edwin’s talk later this morning

# Imadmin – new licensing software

Former ProE sites may still be running Imgrd

Imadmin comes with Creo

How to install??? No button in user interface!

Drag & drop license file here

## Default install location

`C:\Program Files\PTC\FLEXnet Admin License Server`

## Differences

Imadmin bin

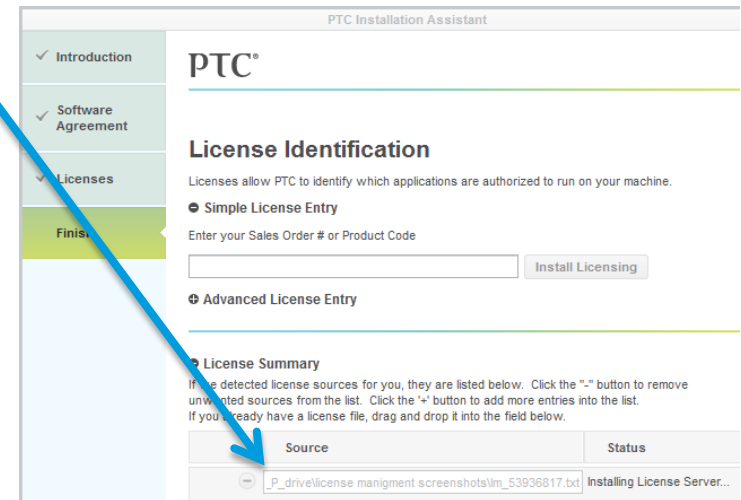
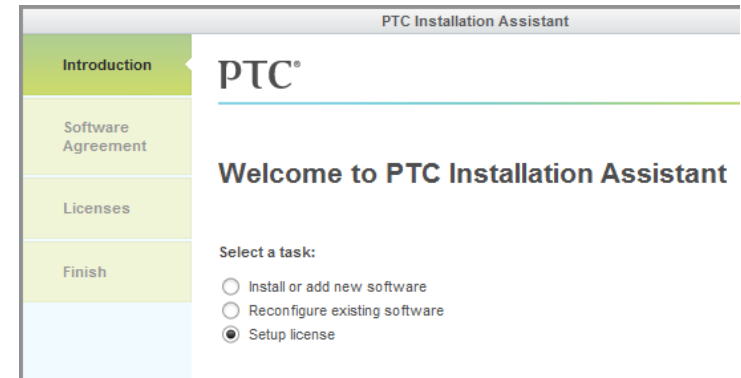
=====

ptcflush.bat  
ptchostid.bat  
reconfigure.exe  
ptcadminstartservice.bat  
ptcstatus.bat  
uninstall.exe

Imgrd bin

=====

i486\_nt\_ptc\_setvars.exe  
Imtools.bat  
Imutil.bat  
ptcshutdown.bat  
ptcflush.bat  
ptchostid.bat  
ptcsetup.bat  
ptcstartserver.bat  
ptcstatus.bat



Install starts automatically



Imtools is still in the installation

`C:\Program Files\PTC\FLEXnet Admin License Server\i486_nt\obj`

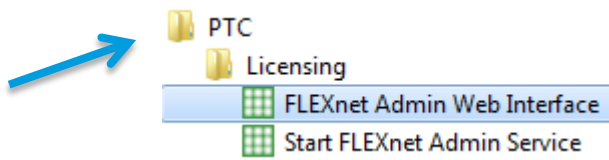
Imadmin has a web interface

<http://stonequary:8080>



License server name

Win7 Start Menu



## Advantages of Imadmin

- Reread license from web interface
- Ptcflush restricted by default to license admins
- Early return of borrowed licenses
- Email alerts can be set up



## Differences in Imadmin

- Ptcflush, (Imremove) requires admin access
- Remote shut down is disabled by default

Service default settings are here:

C:\Program Files\PTC\FLEXnet Admin License Server\conf\server.xml

## startup options:

-adminOnly <yes|no>

A value of 'yes' restricts usage of Imutils such as Imdown, Imreread, Imswitch, Imswitchr, Imremove and Imnewlog to license administrator who is by default root. If there is a UNIX group called Imadmin, then use is restricted to only members of that group. If root is not a member of this group, then root does not have permission to use any of the above utilities. On Windows no user can use the above command-line utilities. The Default value is 'yes'.

-allowLicenseReclaim <yes|no>

Controls whether or not one can reclaim licenses that are currently checked out. This setting is recorded in the configuration file and will apply to all subsequent executions until changed. Default value is 'no'.

-allowStopServer <yes|no>

Controls whether or not one can stop the license server from a local client (Imadmin or the web UI). This setting is recorded in the licens server configuration file and will apply to all subsequent executions until changed. Setting this value to 'no' will also force the option -allowRemoteStopServer to 'no'. The default value is 'yes'.

-allowRemoteStopServer <yes|no>

Controls whether or not one can stop the license server from a remote client (Imadmin or the web UI). This setting is recorded in the licens server configuration file and will apply to all subsequent executions until changed. The default value is 'no'

Waiting on PTC for recommend process  
To modify these settings.

Web User Interface

Creo Licenses shown here

Admin Login

The screenshot shows the FlexNet Publisher web user interface. The top navigation bar includes the Flexera Software logo, the text 'FlexNet Publisher', and links for 'Help' and 'Sign Out'. Below the navigation bar, the main content area is divided into two sections. The left section, titled 'Alerts', displays two status icons: a red octagon with '0' and a yellow triangle with '0', followed by the text '0 Critical'. The right section, titled 'Licenses', shows two license types: 'Activatable' and 'Concurrent'. Below these, a table header is visible with columns: 'Product', 'Version', 'Detached (Total)', 'Overdraft', and 'Expiration'. The table body is currently empty. An orange arrow points from the 'Creo Licenses shown here' text to the 'Concurrent' license icon. Another orange arrow points from the 'Admin Login' text to the 'Sign Out' link in the top navigation bar. A third orange arrow points from the 'Alerts' text to the '0 Critical' text in the Alerts section. To the right of the main interface, a separate 'Sign In' dialog box is shown, featuring fields for 'User Name' and 'Password', a 'Remember me' checkbox, and 'Submit' and 'Cancel' buttons. Below this dialog box, the text 'Default = admin admin' and 'Must change after login' is displayed.

Alerts

0 Critical

Licenses

Vendor Daemon: ptc\_d

Activatable

Concurrent

Product	Version	Detached (Total)	Overdraft	Expiration
---------	---------	------------------	-----------	------------

Sign In

User Name:

Password:

☐ Remember me

Submit Cancel

Default =  
admin  
admin

Must change  
after login

## Update license file

Read new license file

This tab

See details

The screenshot shows the FlexNet Publisher Administration web interface. The top navigation bar includes the FlexNet Publisher logo, user information (User Name: admin), and links for Help and Sign Out. The main content area is titled "Vendor Daemons" and features an "Import License" button. Below this is a table with columns for Name, Status, FlexNet Publisher Version, Port, and actions (Administer, Delete). The table contains one entry: ptc\_d, Up, 11.10, 49188. The left sidebar contains navigation icons for System Information, User Configuration, Alert Configuration, Server Configuration, and Vendor Daemon Configuration. The bottom of the page shows a copyright notice for 2012 Flexera Software LLC and a "Change Password" link.

Name	Status	FlexNet Publisher Version	Port	
ptc_d	Up	11.10	49188	<a href="#">Administer</a> <a href="#">Delete</a>

## Reread License – update ptc.opt

Stop the license

This tab

The screenshot displays the FlexNet Publisher Administration web interface. The top navigation bar includes the user name 'admin', a help icon, a sign out icon, and links to 'Dashboard' and 'Administration'. The left sidebar contains icons for 'System Information', 'User Configuration', 'Alert Configuration', 'Server Configuration', and 'Vendor Daemon Configuration'. The 'Vendor Daemon Configuration' tab is selected and highlighted. The main content area shows the 'Vendor Daemon Actions' section with 'Stop' and 'Reread License Files' buttons. Below this is the 'General Configuration' section with fields for 'License File or Directory' (set to 'licensing/license.dat'), 'Vendor Daemon Location' (set to 'C:\Program Files\PTC\FLEXnet Admin License Server\i486\_nt\obj\ptc\_d.exe'), 'Vendor Daemon Port' (set to 'Use default port'), and 'Restart Retries' (set to '3'). There is also an 'Enable Date-based Versions' checkbox. At the bottom, there is a 'Vendor Daemon Log' section and 'Save' and 'Cancel' buttons. Two orange arrows point to the 'Stop' and 'Reread License Files' buttons, and another orange arrow points to the 'Vendor Daemon Configuration' tab in the sidebar.

FlexNet Publisher

User Name: admin Help Sign Out

Dashboard Administration

Vendor Daemon: ptc\_d

Vendor Daemon Port in Use: 48688

Vendor Daemon Actions

Stop Reread License Files

Report Log Name: Rotate Report Logs

General Configuration

\* License File or Directory

licensing/license.dat

Vendor Daemon Location:

C:\Program Files\PTC\FLEXnet Admin License Server\i486\_nt\obj\ptc\_d.exe

\* Vendor Daemon Port:

☒ Use default port

☐ Use this port: 0

\* Restart Retries:

3

☐ Enable Date-based Versions

Vendor Daemon Log

Save Cancel

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[Change Password](#)

## Alert Condition Setup

I only want these alerts

- Vendor daemon down
- Out of concurrent licenses
- Concurrent threshold exceeded

This tab

Flexera Software®  
FlexNet Publisher™

User Name: admin ? X  
Help Sign Out  
Dashboard Administration

System Information  
User Configuration  
**Alert Configuration**  
Server Configuration  
Vendor Daemon Configuration

**Alerts**

Send alerts to Dashboard:

**Critical**

<input checked="" type="checkbox"/>	<b>Vendor daemon down</b> The vendor daemon stops running.
<input type="checkbox"/>	<b>Out of activatable licenses</b> 100% of activatable licenses have been issued.
<input type="checkbox"/>	<b>Out of overdraft licenses</b> The overdraft count changes to 0.
<input type="checkbox"/>	<b>Activatable license expired</b> The expiration date for an activatable license has passed.
<input checked="" type="checkbox"/>	<b>Out of concurrent licenses</b> 100% of concurrent licenses have been issued.
<input type="checkbox"/>	<b>Concurrent license expired</b> The expiration date for a concurrent license has passed, using the expiration date.
<input type="checkbox"/>	<b>Date-based version expired</b> The expiration date for a concurrent license has passed, using the feature as date-based version.

**Important**

<input type="checkbox"/>	<b>Activatable threshold exceeded</b> 90 % of activatable licenses have been issued.
<input type="checkbox"/>	<b>Overdraft license issued</b> The vendor daemon has issued an overdraft license.
<input type="checkbox"/>	<b>Activatable license expiring</b> 7 days before an activatable license expires, using the expiration date.
<input checked="" type="checkbox"/>	<b>Concurrent threshold exceeded</b> 90 % of concurrent licenses have been issued.
<input type="checkbox"/>	<b>Concurrent license expiring</b> 7 days before a concurrent license expires, using the expiration date.
<input type="checkbox"/>	<b>Date-based version expiring</b> 7 days before any license expires using the feature as date-based version.

Save Cancel

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[Change Password](#)

## Send alerts via email

`C:\Program Files\PTC\FLEXnet Admin License Server\examples\alerter.`

Modify the last line in runalerter.bat

From : `java -classpath lib\alerter.jar alerter.Alerter %CMD_LINE_ARGS%`  
To : `java -classpath "lib\alerter.jar;lib\*" alerter.Alerter %CMD_LINE_ARGS%`

On the license server, open a command shell with “Run as Administrator”.

CD to the folder where the alerter is: `C:\Program Files\PTC\FLEXnet Admin License Server\examples\alerter`

Command syntax is:

```
runalerter.bat -port "8080" -user "<username>" -password "*****" -smtpServer "<SMTP
servername>" -smtpUser "<username>" -smtpPassword "*****" -toAddress "<email address>" -
fromAddress "<email address>" -interval "60"
```

where:

- user = the license server admin name. If you haven't changed it it's admin
- password = the license server admin password. You are forced to change this when you first log in as admin in the web interface.
- smtpServer = the name of your mail server
- smtpUser = your username on the mail server
- smtpPassword = your password on the mail server
- toAddress = The email address you want the alert sent to. Your address typically. If you have major domo, this can be a group
- fromAddress = Your email address
- interval = number of seconds to wait after an alert happens before the email gets sent.

**Important Note:** You have to leave the command window up. The process will exit, if you exit the window.



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7000 East Ave, L-362  
Livermore, CA 94550

Check out my previous presentations

[ProE Admin 101](#)

[Creo Admin 101](#)

[Creo Admin 102](#)

[An Admins Guide to Product View Publishing](#)

# PTC® Live Global

[liveglobal.ptc.com](https://liveglobal.ptc.com)

## Licensing Log file

In the flexnet folder, look in Licensing/ptclmgrd.log

You can see:

- When and who has licenses
- When they have been released
- When someone has been denied a license
- When a license has been flushed manually

Allowable options in the ptc.opt file:

- EXCLUDE
- EXCLUDEALL
- GROUP
- HOST\_GROUP
- INCLUDE
- INCLUDEALL
- MAX
- RESERVE
- TIMEOUT
- TIMEOUTALL

Some of these are high overhead for the administrator.

I only use Group, Reserve, and Timeoutall.

## Laptop Install

Installing on a laptop or other machine with multiple NIC cards.

There are two common problems you will run into when trying to license to a laptop.

1. Windows will disable the NIC card if it's not plugged into a network. This is called media sensing
2. Since you likely have a wireless card and a hardwire NIC, there can be confusion between them.

## Media Sensing

Add this registry setting:

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Tcpip\Parameters\  
Name: DisableDHCPMediaSense  
Data type: REG_DWORD (Boolean)  
Value: 1
```

## Laptop Install – NIC sort order

The PTC\_HOSTID must be derived from the Physical Address of a network card installed on the machine

- The network card from which the PTC\_HOSTID was derived must be enabled but need not be connected to an active network
- Change the priority of desired network card

Open the Windows registry editor by running regedit from a command prompt or the Windows "Run" Menu.

Expand the following key

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\NetworkCards

- This key will contain numbered folders corresponding to all of the network cards installed on the machine
- Locate the desired folder by matching the "Description" field in the Registry Editor to the "Description" line from the ipconfig /all output for the desired network card
- Rename this folder to number 1
- Close the registry editor
- Restart the machine

## Licensing through a firewall

Here is what you need to do.

Add the port to the daemon line in your licenses file.

```
SERVER __HOSTNAME__ PTC_HOSTID=<mac address> 7788  
DAEMON ptc_d __PTCD_PATH__ 7788
```

Then open that port in your firewall

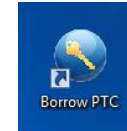
## Borrowing Licenses

You can make it easy for your users to borrow licenses by giving them a shortcut to the borrow program.

Create a shortcut of <loadpoint>\parametric\bin folder\ptcborrow.bat

I renamed it and gave it a unique icon & put it on the users desktop

PTC status shows if you have borrowed a license with an up caret.



PROE\_Flex3C

3

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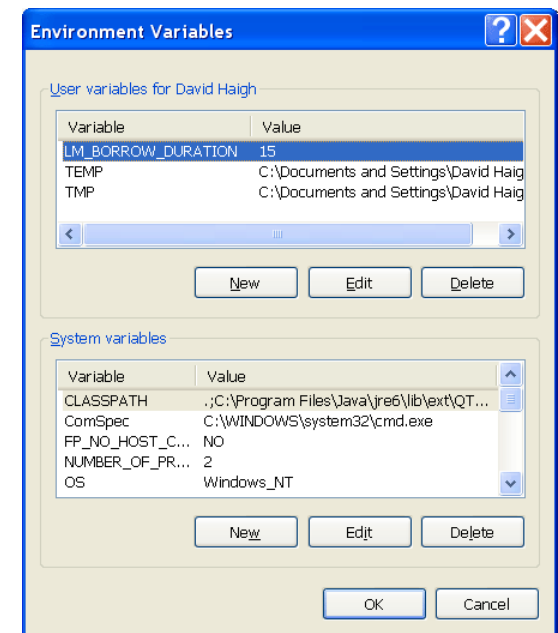
^(fred@coaststarlight)

PROE\_Flex3C stonequarry 7788 3750

## To borrow for more than 5 days

Set up a Windows Environment Variable for the borrow duration  
set it at 15 days

LM\_BORROW\_DURATION





## Borrowing Simulate Licenses

In order to borrow these applications, you have to:

- Get in to simulate
- Do a solve before you exit Creo

If you just get into the application you will not be able to solve once your disconnected from the server.

Check `ptcstatus` to see that you have the up caret next to both of these:

<code>MECBASICENG_License</code>	<code>0</code>	<code>33</code>
<code>MECBASICUI_License</code>	<code>0</code>	<code>33</code>