ECAD Tools installation.

This document outlines the necessary steps for installing all ECAD tools and configurations required for using the PTC WindChill ECAD Workgroup Manager client side.

Assumptions: The ECAD WGM has been installed on the Windchill server for the ECAD tools that will be used.

It is common for earlier installs of Creo View to be in the Program Files folder. For easier maintenance and consistiency, it is recommended that these be removed.

Uninstall any PTC "stuff" that looks like it is version 9.1; ProductView and associated DWG adapters etc.

Check disk space; this install pulls a 2G+ file, plus installs ~2G.

There are Four components that need to be installed:

- 1. Creo View
- 2. Creo View ECAD
- 3. Creo ECAD Adapters
- 4. Unified Workgroup Manager

Installing CREO Clients and Adapters

Launch the web browser and log into Windchill. From the quick links, select Software Downloads.

(: All Types	Search		P V Quick Links	•
			Help Clipboard WVS Job Monitor My Settings Event Management	•
		P	Software Downloads Email Page Copy Page	

Install the Creo View Client by selecting the Creo View Installation link.

🔍 Navigator	Software Downloads Setup and Installation Bootstrap Loader Installation If your network does not allow Windchill applets to communica department for assistence and to determine if this is necessary.	3.
	<u>Creo View Installation</u> Request the online installation of the Creo View visualization client. Windchill Desktop Integration Install this tool to manage your Windchill documents in Micro Microsoft Windows Explorer. Windchill Desktop Integration (64-bit) Install this tool to manage your Windchill documents i -bit OS.	:

Select Install Creo View Client.



This screen will appear.





Recommendation: Change the install directory to C:\PTC\Creo\View Click Install If Creo View has already been installed on your machine to the default location listed above, you will not be able to change this path. It is recommended you uninstall from this location in the interest of keeping all installations consistent with the ECAD tools.

When prompted, allow changes? Yes. Choose OK, when prompted to finish.

Select Install Creo View Client AGAIN, yes AGAIN.

Install Creo View Client	Welcome to the Cree View installation page for Windows	v
Install Creo View ECAD	Install Creo View Client	
	Install Creo View ECAD	

Depending on the workstation, select either **32-bit** or **64-bit** (probably 64-bit) link to install the ECAD adapters.

Velcome to the Creo V	iew installation page	ge for Windows	
Creo View Client			
Opti	ons		
	AutoCAD Viewers	Import Filters	
	Download Help Files		
Langua	ges		
-	English	Japanese	
	French	Korean	
	🗏 German	Chinese Traditional	
	🗆 Italian	Chinese Simplified	
	🗆 Spanish	Russian	
Installation Directory	C:\ptc\Creo 2.0\View		
Download Size	14 Files	330.54Mb	
Download Progress			
Installing			
ReInst	tall	Cancel	
ick here to download a complete in	staller. This can be used if the	download and installation fails	The exe
may be run automatically or down	loaded and run at a later date.	Click here to download the add	ditional Cred
ew ECAD Adapters installer 32-bit	- 64-bit.		

You may be prompted to save or run. If run is not available, choose save, browse to your download folder and open the .EXE.

 Downloads 			•	Search D
Share with 🔻	Burn	New folder		
	Name	^	Date modified	Туре
	Creo	/iew_ECAD_Adapters_64	1/23/2014 5:08 PM	Application

Allow changes = Yes.

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Select I accept ... and then choose the Advanced button.

Recommendation: Change the install directory to : C:\PTC\Creo\View ECAD Adapters\ Pick Next





After a while, if the installation succeeds, you will get the above message. Select **OK**.

Installing Creo for ECAD

Re-Launch the web browser and log into Windchill. From the quick links, select **Software Downloads**.

Select the Install Creo View ECAD link.



For the license value, enter 7788@license_server.com

Recommendation: Change the path to C:\ptc\ProductView ECAD and then select Install.

C Download Creo View Validate for ECAL	Windows Internet I	Explorer				×
http://asgwndvld04.ga.com/Windchill/wtcore/js	p/w.s/download/download_	_pvecad.jsp				
Welcome to the Creo	View instal	lation pa	age for Windows			~
Creo View ECAD Va	lidate					
Languages ⊻En □Ch	glish inese Simpli n H		Japanese Chinese Traditional			
Installation Directory	C:\Program Files\PTC	\Product∨iew E	CAD			
License Location	7788@rsg-ls2.ga.com	l				
Download Size Download Progress Installing Install		8 Files	38.73Mb Cancel			
Click here to download a complete may be run automatically or downlo	<u>installer</u> . This can b aded and run at a la	e used if the ater date.	download and installation fai	ils. The	.exe file	>
Done			😜 Internet	- m	🔍 100% 🔻	



If the installation succeeds then you wil get a message like the one shown above. Select **OK**. Verify the installation by looking at the applications under the Programs tab as shown below.



Installing the Workgroup Manager

Note that this portion of the install is repeated upon any deployment of updates or patches to the UWGM (Unified Workgroup Manager) on the server. If you launch your WGM and see the splash shown below, a reinstall is required.



Launch the web browser and log into Windchill. From the quick links, select **Software Downloads**.





Windchill Workgroup Manager Install to connect the following applications to Windchill: Mathcad, NX, SolidWorks, Arbortext IsoDraw, Creo Elements/Direct Modeling, Creo Elements/Direct Drafting, Creo Schematics, CADDS 5, Altiu BluePrint-PCB and CAM350.

ECAD Customization Package MANDATORY ECAD customizations necessary for ECAD WGM functionality.

ECAD Client Side Install Instructions





You might see the following; Pick Grant.

🛃 PTC S	Security	×
	Grant or deny se	ecurity permission request
	Permissions:	Property Read
	Requested By:	http://asgwcsvld10.ga.com/Windchill/wt/security/security.jar
	Reason:	Installation of PTC RMI Condection Package
	Apply this decis	ion to all permissions
	🔽 Remember this	decision
		Grant Deny





😼 Windchill Workgroup Mana	ger 10.1 M040	
		Select Directory
 Before You Begin Define Settings Review Settings Installing Installation Results 	C:\PTC\wgm	Browse
InstallAnywhere Cancel	,	< Back Next >

😼 Windchill Workgroup Manag	jer 10.1 M040 📃 🗖 🔀
	Select Directory
Before You Begin Define Settings Review Settings Installing	Installation Directory: C:\PTC\wgm Browse
☐ Installation Results	Create Directory?
InstallAnywhere Cancel	< Back Next >

Existing PGM group - PTC Creo (rename it later to PTC if you would like.)

📲 Windchill Workgroup Manager 10	0.1 M040
	Choose Shortcut Folder
 Before You Begin Define Settings Review Settings Installing Installion Results 	Where would you like to create product icons? In a new Program Group: PTC In an existing Program Group: PTC Creo In the Start Menu On the Desktop In the Quick Launch Bar Other: Choose Don't create icons
InstallAnywhere Cancel	< Back Next >





WGM installation is complete.

Check that new installs show in the start menu as expected:

Start the WGM. Authenticate if required.

Register an Authoring Application ×		
The listed Authoring Applications are available but are not registered with the Workgroup Manager.		
Please select all Authoring Applications that you wish to register.		
Creo Schematics 2.0		
Creo Schematics 3.0 Mentor Graphics Board Station XE [XE7.9 x]	Application Management	×
Mentor Graphics Design Architect XE [XE7.9.x] Mentor Graphics Design Capture [DC2007.8/DC7.9.x]	<u>File</u> <u>Applications</u>	6
Mentor Graphics DxDesigner [EE7.9.x]	Application Name Status	Message
Mentor Graphics DxDesigner [PADS9.x]	Mentor Graphics PADS Layout [P	
Mentor Graphics Expedition PCB [EE7.9.x] Mentor Graphics PADS Layout [PADS9.x] Mentor Graphics PADS Logic [PADS9.x] SolidWorks 2012	Mentor Graphics PADS Logic [PA	
		•
Register	Description	
Register Manually Close		Verify Close

Register BOTH a schematic AND PCB tool. PADS example shown. Then choose Close.

Authenticate

Next, Setup the server and choose any workspace.

WGM setup is now complete.

Run Creo View FROM WINDCHILL – Select a viewable to open on an ECAD document if available.; the thumbnail is an Icon, click it:

Accept any popups / accept java etc. Always allow this program to run ...

Creo view is now configured to open viewables without additional interaction.

Additional Configuration RECOMMENDED steps:

Create the Environment variable PER USER for the Workspace Local Directory (WLD): PTC_WLD_ROOT = C:\ptc\ws\%username%\wgm_work

USER LEVEL PREFERENCE for ECAD USER.

Search for "auto", or go to Operation – CheckIn Operation – Auto Associate upon Check in

Horaged Collections			
Operation			Category for Operations preferences
🖃 CheckIn Operation	i de la companya de l		Category for CheckIn preferences
Auto Associate	upon Check In	No	Controls the default behavior whether or not to perform Auto Associate f

RMB on the line and change the preference to YES.

The Client install is complete.

Admin steps Setups for Server: Create Electrical Common Library; Permissions – Read only for users, RWD for ECAD Admins Create Templates Folder

Set Preference to show Schematic in BOM Manager if desired:

Preference Management Standard T						
Name †	Value	Description				
🖨 ECAD		ECAD				
-Show Components In Association UI	No	Control the display of ECAD Components in the Edit Association UI.				
Show Schematic in BOM Manager	Yes	Determines if the options to associate schematic part to a BOM in the BOM Manager are hidden or shown.				
🗄 Open Collector		Workgroup Manager preferences for open in CAD tool operation.				

Set Preference to disable auto generation of WTPARTS.

Preference Management	Standard	-				
V						
Name †	Value					
Notification						
G Operation						
Auto Associate						
Allow Association of Mod	el Items by Model It	CUSTOM,LIBRARY				
Allow Association of Mod	COMPONENT					
Auto Associate Naming Parameter						
Hauto Associate Numbering Parameter						
🖽 Auto Associate Truncate	Name File Extension	No				
🖪 Auto Associate Truncate	No					
Auto Relate Drawings To	Owner Only					
🖽 Create Alternate Link On	Yes					
Create Associate New Par	Never					
Creo	X	Never				
🖃 Generic ECAD		Never				

Revision History:

1.0 Claes 10/14/2014 Created