

Enhancement Details: PTC Creo View Creo 3.0

View by Product

- » [PTC Creo View ECAD \(14\)](#)
- » [PTC Creo View ECAD Adapters \(1\)](#)
- » [PTC Creo View ECAD Compare \(2\)](#)
- » [PTC Creo View MCAD \(14\)](#)
- » [PTC Creo View MCAD Adapters \(4\)](#)
- » [PTC Creo View Toolkits \(4\)](#)

View by Functional Area

- » [Visualization \(34\)](#)

Enhancement Details

PTC Creo View ECAD

[Adapter Support for Embedded Graphical Content](#)

PTC Creo View ECAD can accurately visualize native ECAD tools that support embedded graphical content.

[Adapter Support for Multibyte Characters](#)

PTC Creo View ECAD can accurately visualize native ECAD tools that support multibyte characters.

[Automatic Detection of File Formats](#)

The file format is automatically detected when loading a design with a nonstandard file extension.

[Customizing the Ribbon for PTC Creo View](#)

You can make changes to the ribbon to suit your needs.

[Finding Commands in PTC Creo View](#)

It is easy to find the location of commands.

[Message Logging is Enhanced](#)

More detailed messages are logged when you open a file.

[New Measurement User Interface for PTC Creo View](#)

The Measurement user interface is new.

[PTC Creo View ECAD Validate Installed with the Creo View Client](#)

Run InstallAnywhere one time to install the Creo View client and PTC Creo View ECAD Validate.

[Retire Support for Legacy Mentor Board Station](#)

BSTN 2006, EE2005.5, and VIF 2006 are removed from the support matrix.

[Support for Fractured and Split Schematic Symbols](#)

Fractured symbols are supported within PTC Creo View ECAD.

[Support for IPC-2581](#)

PTC Creo View ECAD can read the IPC-2581 format standard for manufacturing data.

[Support for Secondary Color in the Structure Navigator](#)

A secondary highlight color is supported in the Structure Navigator.

[Updated Operating System and Browser Compatibility for PTC Creo View](#)

PTC Creo View is supported on Microsoft Windows 8 and on additional browsers.

[Visualization of Creo Schematics](#)

Creo View ECAD can load *.eda files generated from Creo Schematics.

Enhancement Details

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Enhancement Details

PTC Creo View ECAD Compare

[Selecting Files to Compare Against is Easier](#)

You can open a file directly in the PTC Creo View ECAD Compare user interface.

[Using Sublayers When Comparing Images](#)

When comparing images, you can use visible sublayers as input for the comparison.

Enhancement Details

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[Improved Compatibility with CATIA V5](#)

CATIA V5 Compatible Navigation mode in PTC Creo View is improved to align more closely with CATIA V5.

[Improved Handling of Annotations](#)

Flat-to-screen annotations published from PTC Creo Parametric are scaled in PTC Creo View.

[Installing pvverchk.ocx with Standard User Privileges](#)

When in Internet Explorer 8.0 or later, PTC Creo View version checker no longer requires administrator privileges for installation.

[Loading Larger Models is Easier](#)

You can load larger models without a license for the Massive Assembly option.

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[Open Local Visualization Files when Connected to PTC Windchill](#)

When connected to Windchill, you can open additional files from a local disk.

[Selection is Improved in PTC Creo View MCAD](#)

It is easier to select exactly what you need.

[Support for NX ECAD Intelligence is Improved](#)

The NX Adapter is enhanced to treat ECAD data from EPAK more intelligently.

[Translating and Rotating Objects in PTC Creo View](#)

The dragger is a graphical control for precisely moving or rotating objects.

[Updated Operating System and Browser Compatibility for PTC Creo View](#)

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[Visibility to Product Manufacturing Information is Improved](#)

Part and assembly-level annotations appear independently.

Enhancement Details

PTC Creo View MCAD Adapters

[Generation of PVZ files from PTC Creo View MCAD Adapters](#)

PTC Creo View MCAD Adapters can generate a single PVZ package file.

[PTC Creo View Adapter for SolidWorks Enhances Support for Drawing Viewables](#)

PTC Creo View Adapter for SolidWorks supports DXF and DWG as viewable formats.

[Simplifying the PTC Creo View Recipe Editor](#)

Several tabs in the Recipe Editor are available in Administrator mode only.

[Support for PTC Creo Parametric 2.0 on Windows 2012](#)

The Creo View Adapter for PTC Creo Parametric 2.0 is supported on the Windows Server 2012 operating system.

Enhancement Details

PTC Creo View Toolkits

[Enhanced Support for ECAD with the Embedding Toolkit APIs](#)

The PTC Creo View Office, Java, and Web toolkits support new features for ECAD designs.

[Installing PTC Creo View Consumer](#)

You can install Creo View Consumer with standard user privileges.

[PTC Creo View Java Toolkit Supports Java 7](#)

The PTC Creo View Java toolkit supports Java version 7.

[Updated API in PTC Creo View Web Toolkit](#)

The updated API call, `FindInstancesWithProperties()`, returns an array of PTC Creo View instance objects with a specified property value.

Enhancement Details

Visualization

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[PTC Creo View Java Toolkit Supports Java 7](#)

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You can open a file directly in the PTC Creo View ECAD Compare user interface.

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Several tabs in the Recipe Editor are available in Administrator mode only.

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Fractured symbols are supported within PTC Creo View ECAD.

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The NX Adapter is enhanced to treat ECAD data from EPAK more intelligently.

[Support for PTC Creo Parametric 2.0 on Windows 2012](#)

The Creo View Adapter for PTC Creo Parametric 2.0 is supported on the Windows Server 2012 operating system.

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A secondary highlight color is supported in the Structure Navigator.

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When comparing images, you can use visible sublayers as input for the comparison.

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Part and assembly-level annotations appear independently.

[Visualization of Creo Schematics](#)

Creo View ECAD can load *.eda files generated from Creo Schematics.

Enhancement Details

Adapter Support for Embedded Graphical Content

PTC Creo View ECAD can accurately visualize native ECAD tools that support embedded graphical content.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

The ECAD Adapters listed below support embedded graphical content:

- Cadence Design Entry HDL
- Altium Designer for Schematics

This results in more accurate schematics that retain data created by the native ECAD tool.

Enhancement Details

Adapter Support for Multibyte Characters

PTC Creo View ECAD can accurately visualize native ECAD tools that support multibyte characters.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

The ECAD adapters listed below support multibyte characters:

- Mentor Pads
- ODBPP exported from Mentor Pads

As a result, Viewables that contain multibyte characters such as those in Asian fonts, are more accurate.

Enhancement Details

Automatic Detection of File Formats

The file format is automatically detected when loading a design with a nonstandard file extension.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Click File > Open.
Processes, Initiatives, and Best Practices	

Benefits and Description

When a file being read into PTC Creo View ECAD has a nonstandard file extension, the content of the file is used to select the reader that is required to open the file. For example, this is helpful when reading Gerber files which often do not have an industry standard file extension.

Enhancement Details

Customizing the Ribbon for PTC Creo View

You can make changes to the ribbon to suit your needs.

Product Information

Product	PTC Creo View ECAD PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Click File > Options > Customize Ribbon.
Processes, Initiatives, and Best Practices	

Benefits and Description

You can customize the PTC Creo View MCAD and PTC Creo View ECAD user interfaces by making changes such as those listed below:

- Remove existing tabs, groups, and buttons from the standard user interface
- Reorder tabs, groups, and buttons
- Create a custom group from existing buttons

This gives you the flexibility to make changes to the user interface that accommodate your needs, such as placing often-used commands in a convenient location.

Enhancement Details

Finding Commands in PTC Creo View

It is easy to find the location of commands.

Product Information

Product	PTC Creo View ECAD PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Click the magnifying glass in the upper right of the user interface to toggle the Command Search on or off.
Processes, Initiatives, and Best Practices	

Benefits and Description

Use the Command Search to quickly see where commands are located on the ribbon, Quick Access Toolbar, or on the File menu. Type a command in the Command Search box to see a list of commands that match your query. For example, if you type des, the commands listed below appear:

- Deselect All
- Design Check
- Design Check Review Mode
- Design Check(1)

Place the pointer on any of the listed commands to see the command highlighted in the user interface.

Enhancement Details

Message Logging is Enhanced

More detailed messages are logged when you open a file.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Messages are logged when you open all ECAD formats. The information captured makes it easier to get to the root cause of and to resolve issues. This gives you better visibility into Adapter load issues and provides Technical Support with information they need.

Enhancement Details

New Measurement User Interface for PTC Creo View

The Measurement user interface is new.

Product Information

Product	PTC Creo View ECAD PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

The new Measurement user interface is intuitive and helps to increase productivity. The Measurement user interface is aligned with PTC Creo Parametric, improving the user experience.

Enhancement Details

PTC Creo View ECAD Validate Installed with the Creo View Client

Run InstallAnywhere one time to install the Creo View client and PTC Creo View ECAD Validate.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Running the installer one time to install both the Creo View client and PTC Creo View ECAD Validate saves time and eliminates confusion.

Enhancement Details

Retire Support for Legacy Mentor Board Station

BSTN 2006, EE2005.5, and VIF 2006 are removed from the support matrix.

Product Information

Product	PTC Creo View ECAD PTC Creo View ECAD Adapters Validate
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

PTC Inc. is focusing on support for newer Mentor tools.

Enhancement Details

Support for Fractured and Split Schematic Symbols

Fractured symbols are supported within PTC Creo View ECAD.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

More accurate bills of material (BOMs) are generated from schematics that contain fractured symbols such as U1-A and U1-B. The fractured symbols appear accurately in the Structure Navigator and can be included in a cross-selection to other design views.

Enhancement Details

Support for IPC-2581

PTC Creo View ECAD can read the IPC-2581 format standard for manufacturing data.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

In addition to Gerber and ODB++, IPC-2581 is added as a supported MFG format. Customers using IPC-2581 can benefit from the visualization and comparison of this file format.

Enhancement Details

Support for Secondary Color in the Structure Navigator

A secondary highlight color is supported in the Structure Navigator.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Secondary selection colors in the Structure Navigator make it easier to navigate the design intelligence. You can select an object that is part of a net such as a pin, via, route segment, or plane, and then see the net name highlighted in the Structure Navigator.

Enhancement Details

Updated Operating System and Browser Compatibility for PTC Creo View

PTC Creo View is supported on Microsoft Windows 8 and on additional browsers.

Product Information

Product	PTC Creo View ECAD PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Updates to operating system and browser support for PTC Creo View are listed below:

- Microsoft Windows 8, 32-bit and 64-bit operating systems.
- Windows Internet Explorer 10 is supported.
- Mozilla Firefox 17 is supported.
- Windows XP is no longer supported.

Enhancement Details

Visualization of Creo Schematics

Creo View ECAD can load *.eda files generated from Creo Schematics.

Product Information

Product	PTC Creo View ECAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

You can expand your use of PTC Creo View to include PTC Creo Schematics visualization. Share electrical and fluid schematic data throughout the enterprise for design reviews and interrogation.

Enhancement Details

Selecting Files to Compare Against is Easier

You can open a file directly in the PTC Creo View ECAD Compare user interface.

Product Information

Product	PTC Creo View ECAD Compare
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Click File > Open.
Processes, Initiatives, and Best Practices	

Benefits and Description

With support for File > Open in the PTC Creo View ECAD Compare user interface, it is easier to select secondary content to compare against.

Enhancement Details

Using Sublayers When Comparing Images

When comparing images, you can use visible sublayers as input for the comparison.

Product Information

Product	PTC Creo View ECAD Compare
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Click Tools > Compare to open the Compare dialog box. Click Image > Visible Layers and Sublayers in Active View.
Processes, Initiatives, and Best Practices	

Benefits and Description

Comparing by visible sublayers gives you greater granularity when comparing and provides the opportunity to perform more comparisons. Select Visible Layers and Sublayers in Active View to compare an MFG format such as Gerber that contains any mix of sublayers, to the EDA file derived from the native ECAD tool.

Enhancement Details

Color-coded Search in Assemblies

You can perform a color-coded search based on the attributes of an assembly.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Click Tools > Color-coded Search.
Processes, Initiatives, and Best Practices	

Benefits and Description

You can perform a color-coded search based on assembly-level attributes. The results of the search are color coded in the structure and the children nodes of the assembly. A color-coded search based on part-level attributes is still available.

Enhancement Details

Improved Compatibility with CATIA V5

CATIA V5 Compatible Navigation mode in PTC Creo View is improved to align more closely with CATIA V5.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

If you are familiar with CATIA V5, you will find it easier to navigate with PTC Creo View.

Enhancement Details

Improved Handling of Annotations

Flat-to-screen annotations published from PTC Creo Parametric are scaled in PTC Creo View.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Flat-to-screen annotations published from PTC Creo Parametric are automatically scaled so they are visible in PTC Creo View. The flat-to-screen annotations scale down so they fit in the window, regardless of the window size. You can also double-click a flat-to-screen annotation to open it in a separate window.

Enhancement Details

Installing pvverchk.ocx with Standard User Privileges

When in Internet Explorer 8.0 or later, PTC Creo View version checker no longer requires administrator privileges for installation.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Use the PTC Creo View version checker to confirm that the locally installed version of PTC Creo View is at or above the version of PTC Creo View installed on the PTC Windchill server and available for download. When you are in Internet Explorer 8.0 or later and installing the version checker for one or for multiple users, the privileges listed below apply:

- For an individual user, standard user privileges are sufficient.
- For multiple users on a computer, administrator privileges are required.

When you are in Mozilla Firefox and are installing the version checker, standard user privileges continue to be sufficient.

Enhancement Details

Loading Larger Models is Easier

You can load larger models without a license for the Massive Assembly option.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

A license for the Massive Assembly option is required for models that require more than 8GB of memory. Previously the limit was 3.5 GB of memory. This is only applicable on 64 -bit platforms when working in PTC Creo View MCAD.

The 3.5GB limit remains for PTC Creo View Lite and PTC Creo View Express.

Enhancement Details

Open Local Visualization Files when Connected to PTC Windchill

When connected to Windchill, you can open additional files from a local disk.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

When you are in PTC Creo View and viewing data while connected to PTC Windchill, you can open additional viewable data files such as assemblies, parts, and drawings in the PTC Creo View session. You may not be able to save the updated structure to PTC Windchill but you can save it locally. As a result, you can bring together data for studies and merge local data on a disk with managed content in PTC Windchill.

Enhancement Details

Selection is Improved in PTC Creo View MCAD

It is easier to select exactly what you need.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

You can directly select construction geometry which is automatically made available on-the-fly:

- Center axes of cones, tori, and cylinders
- Center points of tori and spheres
- Apex points of cones

These improvements help you to select exactly what you need, particularly when using the new Measure tool where you can select multiple objects.

Enhancement Details

Support for NX ECAD Intelligence is Improved

The NX Adapter is enhanced to treat ECAD data from EPAK more intelligently.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

The NX Adapter intelligently handles NX ECAD data including Regions, Board Outline, and Component RefDes. As a result, you can cross-select components with the Creo View ECAD data.

Enhancement Details

Translating and Rotating Objects in PTC Creo View

The dragger is a graphical control for precisely moving or rotating objects.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	Press F3 and the dragger appears in the graphics window.
Processes, Initiatives, and Best Practices	

Benefits and Description

Using the dragger you can easily translate and rotate objects in the graphics window. This makes manipulation of objects easier. Dragger functionality is also available in PTC Creo Parametric and PTC Creo Direct, resulting in a greater level of commonality with Visualization products.

Enhancement Details

Visibility to Product Manufacturing Information is Improved

Part and assembly-level annotations appear independently.

Product Information

Product	PTC Creo View MCAD
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

You can highlight part-level and assembly-level annotations independently in PTC Creo View. These annotations are created in the CAD system and published into the Creo View format. This improves usability and control of the product manufacturing information in PTC Creo View.

Enhancement Details

Generation of PVZ files from PTC Creo View MCAD Adapters

PTC Creo View MCAD Adapters can generate a single PVZ package file.

Product Information

Product	PTC Creo View MCAD Adapters
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

PTC Creo View data in a single and compressed package PVZ file can be output from all PTC Creo View MCAD adapters. The creation of a single file makes it easier to share and transport.

Enhancement Details

PTC Creo View Adapter for SolidWorks Enhances Support for Drawing Viewables

PTC Creo View Adapter for SolidWorks supports DXF and DWG as viewable formats.

Product Information

Product	PTC Creo View MCAD Adapters
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Support for DXF and DWG as drawing viewable formats is added to the SolidWorks adapter. The list of all formats supported as SolidWorks drawing format viewables is listed below:

- HPGL
- PDF
- DXF
- DWG

PDF, the standard for drawings in many companies is the default format. HPGL, previously the default format, is still available for customers using Windows XP or that want to use one of several 3rd party HPGL drivers available for Windows 7.

Enhancement Details

Simplifying the PTC Creo View Recipe Editor

Several tabs in the Recipe Editor are available in Administrator mode only.

Product Information

Product	PTC Creo View MCAD Adapters
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

The Recipe Editor contains a large number of settings, many of which are only applicable to advanced users with specific requirements. To simplify the Recipe Editor user interface, the tabs listed below are only available in Administrator mode:

- Preparation
- LOD Setup
- LOD Details
- Filter, Split, and Face under the Parameters tab

To start the Recipe Editor in Administrator mode, use the following command line option:
<creo_view_adapters install point>\bin\rcpedit.exe -admin proe2pv.rcp

Enhancement Details

Support for PTC Creo Parametric 2.0 on Windows 2012

The Creo View Adapter for PTC Creo Parametric 2.0 is supported on the Windows Server 2012 operating system.

Product Information

Product	PTC Creo View MCAD Adapters
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

The Creo View Adapter for PTC Creo Parametric 2.0 is supported on the Windows Server 2012 operating system.

Enhancement Details

Enhanced Support for ECAD with the Embedding Toolkit APIs

The PTC Creo View Office, Java, and Web toolkits support new features for ECAD designs.

Product Information

Product	PTC Creo View Toolkits
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

APIs for the following features are supported in ECAD:

- Zoom Selected
- Zoom All
- Render Viewable
- Create Markup
- Load Annotation Set

Enhancement Details

Installing PTC Creo View Consumer

You can install Creo View Consumer with standard user privileges.

Product Information

Product	PTC Creo View Toolkits
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

Creo View Consumer is the lightweight version of Creo View without a user interface. It is intended to consume 3D content via a web page. You can install Creo View Consumer on your computer without Administrator privileges.

Enhancement Details

PTC Creo View Java Toolkit Supports Java 7

The PTC Creo View Java toolkit supports Java version 7.

Product Information

Product	PTC Creo View Toolkits
PTC Support Release	Creo 3.0
Product Functional Area	Visualization
User Interface Location	
Processes, Initiatives, and Best Practices	

Benefits and Description

PTC Creo View Java toolkit supports Java 7.

Enhancement Details

Updated API in PTC Creo View Web Toolkit

The updated API call, FindInstancesWithProperties(), returns an array of PTC Creo View instance objects with a specified property value.

Product Information

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Benefits and Description

The API call FindInstancesWithProperties() provides improved performance when requesting larger numbers of PTC Creo View instances which have a specified meta-data value.