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## CONTENTS

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1. About PureEdge Viewer
2. System Requirements
3. Installation Notes
  - 3.1 Client-Side Installation
  - 3.2 Server-Side Installation
4. What's New and Known Issues
5. XFDL Non-Conformities
6. Contacting PureEdge
  - 6.1 Product Support for Registered Customers
  - 6.2 Product Information

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## 1. ABOUT PUREEDGE VIEWER

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PureEdge Viewer allows you to view and complete PureEdge e-forms. The Viewer works as an extension to popular browsers, such as Internet Explorer, Netscape, or Mozilla, or as a stand alone application.

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## 2. SYSTEM REQUIREMENTS

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Supported Operating Systems:

Windows 98

Windows ME

Windows NT 4.0 sp6a

Windows 2000 sp2, sp3, sp4

Windows XP sp1, sp2

Supported Browsers:

Internet Explorer 5.01 sp2 or later, 5.5 sp2, 6 sp1

Netscape Communicator 4.5 - 4.8

Netscape 6.1, 6.2, 7, 7.1, 7.2

Mozilla 1.7

Minimum System Requirements:

Processor: 500 MHz

RAM: 128 MB

Disk space: 40 MB

Resolution: 800 x 600 in 16-bit color

Supported 3rd Party Products (optional):

MSAA compliant screen readers, such as JAWS, Window-Eyes,  
or Narrator

Entrust Desktop Solutions 6.0

Silanis ApproveIt Desktop 5.7.1

Interlink ePad Signature hardware with version 6.22  
drivers

Topaz electronic signature hardware with version 3.61  
drivers

Any signature capture device compliant with WinTab  
version 1.1

Supported Terminal Services (optional):

Windows Server 2003 Terminal Services (must be set to more  
than 8-bit color)

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3. INSTALLATION NOTES

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### 3.1 Client-Side Installation

#### 3.1.1 Installing Under Windows NT 4.0/2000/XP

To install the Viewer under Windows NT 4.0/2000/XP, you must be logged onto Windows as an Administrator.

#### 3.1.2 Installing for All User Profiles

Regardless of which profile you use to install the Viewer, the installer creates a copy of the Viewer that is available to all profiles.

#### 3.1.3 Using the Viewer with Netscape and Mozilla

The Viewer works with Netscape Communicator 4.5 and 4.8, Netscape 6.1, 6.2, 7, 7.1, and 7.2, and Mozilla 1.7. When used with Netscape and Mozilla, the Viewer operates as a plugin. This requires that the file `npmfv.dll` be installed in the correct browser directory:

- For Netscape versions before 6.0, this is the Plugins directory:

`\Program Files\Netscape\Communicator\Program\Plugins\`

- For Netscape version 6.x, this is the Components directory:

`\Program Files\Netscape\Netscape 6\Components\`

- For Netscape version 7.x, the plugin directory is different depending on whether you upgraded from Netscape 6 or installed a new copy of Netscape 7.x. If you upgraded from Netscape 6, the directory is:

`\Program Files\Netscape\Netscape 6\Plugins\`

If you installed a new copy of Netscape 7.x, the directory is:

`\Program Files\Netscape\Netscape\Plugins\`

- For Mozilla version 1.7, this is the plugins directory:

`\Program Files\mozilla.org\Mozilla\plugins`

The installer will install this file automatically; however, if the installer cannot locate your browser you will have to copy the file manually.

The plugin file is always installed with the Viewer in the following location:

`<Viewer Install Directory>\Plugin\npmfv.dll`

You can copy it from this folder to the correct Netscape folder.

If you are using Netscape version 6.x, you must also register the plugin with Windows. To do this:

1. From the Start menu, select Run.
2. In the Open field, type command and press Enter.
3. At the command prompt, type:

```
c:\<Netscape installation folder>\regxpcom  
"c:\<Netscape installation folder>\Components\  
npmfv.dll"
```

and press Enter.

Note: If you upgrade from an earlier version of Netscape to version 6.1 or later, we recommend that you uninstall and re-install the Viewer. This will minimize installation and setup problems.

#### 3.1.4 Using the Viewer with JAWS 5.0

If you are using a release of JAWS 5.0 prior to build 813, JAWS will not work properly when the Viewer is embedded in a browser. To correct this problem, we recommend upgrading to a later build of JAWS. If that is not an option, you can install a special JAWS script that has been provided.

The JAWS script is installed with the Viewer in the following location:

<Installation Directory>/Viewer x.x/JAWS/

To enable JAWS through the script, copy all of the files to:

<JAWS Installation Directory>/JAWSxx/Settings/ENU/

### 3.1.5 Using Signature Pads

The Viewer will validate Signature Pad signatures without any additional hardware or software. However, to capture signatures using Signature Pads, you require the signature pad hardware and drivers, as well as the following .ifx files that are distributed as a separate add-on to the Viewer:

- tablet\_wintab.ifx (for generic WinTab signing)
- tablet\_interlink.ifx (for Interlink signing)
- tablet\_topaz.ifx (for Topaz signing)

These .ifx files must be located in the following folder on your computer:

<Viewer installation directory>\API\<version>\System\

If you require any of these files, contact PureEdge Service and Support at [support@PureEdge.com](mailto:support@PureEdge.com).

### 3.1.6 Using Silanis Signatures

To use Silanis signatures, you must install the Silanis ApproveIt Desktop software.

### 3.1.7 Rolling Back To Previous Versions

If you install a newer version of the Viewer on your computer, then decide that you want to roll back to an older version, you must first uninstall all versions of the Viewer from your computer. You can then install the version you want to use.

If you do not uninstall all versions first, you will encounter problems using the Viewer.

Furthermore, if you install Viewer 6.5 on a computer with multiple users, roll back to an earlier version of the Viewer, then reinstall Viewer 6.5, you may encounter problems running the Viewer. In this case, the Viewer will not run under any profiles that have previously run the version 6.5 Viewer (with the exception of the account that installed Viewer). If this has happened, you must locate and delete the "RunOnce" file for each user, as follows:

1. Locate the user's application data for the Viewer.

For example under Windows XP this is located at:

```
C:\Documents and Settings\\Application Data\  
PureEdge\Viewer x.x\prefs
```

2. Delete the RunOnce file in that folder.

The next time that user logs in, the Viewer will run properly.

### 3.1.8 Uninstalling Older Viewers

The Installer will attempt to uninstall older Viewers. This is intended to ensure that users do not run olderViewers, because they will reset the registry keys and prevent the current of the Viewer from working properly.

## 3.2 Server-Side Installation

### 3.2.1 Mapping XFDL Form File Extension

When you set up your server, make sure you map the XFDL form file extensions (.xhdl and .xhd) to the MIME type for XFDL forms (application/vnd.xhdl). You need to enter this map in the same file you enter all other MIME type maps. This file is different for each kind of web server. (For example, some products place this information in a configuration file, others place it in a MIME types file, and still others place it elsewhere.)

### 3.2.2 Proxy Servers

If your system uses a proxy server for Internet access, make sure you also set up the proxy

server to allow the transmission of XFDL forms. The file extensions for XFDL forms is .xfdl and .xfd, and the MIME type is application/vnd.xfdl.

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4. WHAT'S NEW AND KNOWN ISSUES  
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Be sure to read the 'ReleaseNotes\_en\_US.txt' file for complete information about new features, changes, and known issues.

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5. XFDL NON-CONFORMITIES  
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PureEdge Viewer does NOT support the following:

1. Using the next option to direct the focus to a new page.
2. Justify for images in buttons and labels (images are centered).
3. A printpages option with a borderwidth setting greater than 1. If integers greater than 1 are used, the borderwidth around pages will remain at 1 pixel.
4. Bounding Box Around Items

In the Viewer, the size option in check and radio items changes the size of the bounding box around the check box and radio button, not the item's actual drawn size. To change the drawn size of a check or radio item, change the font size.

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6. CONTACTING PureEdge  
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## 6.1 Product Support for Registered Customers

PureEdge Technical Support

telephone: 1-250-708-8100

email: [support@PureEdge.com](mailto:support@PureEdge.com)

## 6.2 Product Information

PureEdge Solutions

web: <http://www.PureEdge.com>

email: [info@PureEdge.com](mailto:info@PureEdge.com)

telephone: 1-888-517-2675

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## Release Notes - v6.5 (What's New)

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1.1 Version 6.5.0  
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### 1.1.1 Support for XFDL 6.5

The Viewer now supports XFDL version 6.5. Note that the namespace URL for XFDL version 6.5 is:

<http://www.PureEdge.com/XFDL/6.5>

### 1.1.2 Support for Silanis Signatures

The Viewer now supports Silanis signatures. This includes a No-Lock feature that is specific to Silanis signatures.

When a Silanis signature is set to No-Lock, the data that is signed is not locked in the Viewer. In other words,

the user can change that data in the Viewer even though it has already been signed. This will invalidate the

signature, but the changes can then be approved by a second signature. For more information about these

signatures, refer to the PureEdge Viewer User's Manual.

No-Lock signatures are created by adding a "lock" parameter to the signformat option for Silanis signatures.

For more information, refer to the XFDL Specification.

Before you can sign a form using a Silanis signature, you must install the ApproveIt Desktop software from Silanis.

### 1.1.3 Support for No-Delete Signatures

The Viewer now supports No-Delete signatures. Any signature type can be set to No-Delete, which means that the signature cannot be deleted through the signature dialog. For more information about No-Delete signatures, refer to the PureEdge Viewer User's Manual.

No-Delete signatures are created by adding a "delete" parameter to the signformat option. For more information, refer to the XFDL Specification.

### 1.1.4 New Toolbar Functionality

The Viewer now has two save buttons in the toolbar: "Save Form" and "Save As". The Save Form button now saves the form to the current file without prompting the user. The Save As button prompts the user for a filename and location before saving the form.

Additionally, the following hotkey now triggers a Save As: SHIFT + CTRL + S.

If you are using the `ufv_settings` option to control the appearance of the save button, be aware that both save buttons are now controlled by the "save" flag in the menu setting. See the "Using Viewer Settings" document for more information.

### 1.1.5 Printing Headers and Footers

The Viewer now supports printing multi-line headers and footers. Additionally, the Viewer now scales headers and footers more accurately when shrinking them to fit the page (see section 3.8).

For more information about using headers and footers, refer to the Using Viewer Functions document.

#### 1.1.6 Changed Settings for type Option

The Viewer now respects settings of "saveform" and "saveas" for the type option. "saveform" saves the form to the current file, while "saveas" prompts the user for a filename and location before saving.

Note that if a form has been opened from the web, "saveform" will prompt the user for a filename and location, because these are not set until the form has been saved for the first time.

The "save" setting, which behaves like saveas, has been deprecated. As such, future versions of the Viewer may drop support for it, and you should update your forms to use the new settings.

#### 1.1.7 File Extension

The Viewer now defaults to using the .xfdl file extension rather than .xfd. This addresses some incompatibilities with other software that also uses the .xfd extension.

When a form is opened, the Viewer will maintain the original extension for the form. However, when the Viewer writes temporary files, or if the Viewer saves a file that does not already have an extension set, it will default to .xfdl.

The Viewer still supports the .xfd extension, and will continue to do so in the future.

#### 1.1.8 Fixed Issue When Verifying Certificate Chains

When the Viewer checks a certificate chain, it normally creates the chain by matching the Authority Key Identifier of the certificate to the Subject Key Identifier of the Issuer. However, in cases in which the issuing certificate does not have a Subject Key Identifier but the issued certificate has an Authority Key Identifier

(such as when a version1 certificate is used to create a version3 certificate), this check was failing.

In these cases, the Viewer will now fall back on matching certificate names to create the chain. This method is already used when neither the certificate nor the issuer has the proper extensions.