

ProvideX

VERSION 7.5

Plug-In for Eclipse

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Operating Systems

The ProvideX Plug-in for Eclipse is available for the following operating systems:

- MS-Windows: MS-Windows 2000, MS-Windows XP
- Linux (32 bit): Ubuntu 6.04, Ubuntu 6.10, RHEL4 (x86), SUSE10 (x86)
- AIX 5.2 (32 bit):
- AIX 5.2 (64 bit): **** Not Supported ****
(*tested both 32-bit JDK and 64-bit JDK – both were found to be unstable*)
- Apple OS X – not tested

Pre-requisites

The ProvideX plug-in for Eclipse has a number of pre-requisites:

- Activated version of ProvideX 7.x must be installed on the client PC. *At the moment, this cannot be the version that ships with the WindX plug-in.*
- Java SE 5 (1.5.x) run-time environment
- Eclipse version 3.2 or higher.



Note: Do not continue unless *all* of these pre-requisites are satisfied. Installation instructions for Java and Eclipse components are provided in the sections that follow.

License Restrictions

Standard License

- Restricted to one ProvideX executable for development of all projects. All projects will be built using the ProvideX executable specified on the ProvideX Preference page as the workbench default ProvideX executable. The default executable must always be ProvideX version 7.x or higher.
- ProvideX Programs can be runtime tested against any version of ProvideX using launchers.

Professional / E-Commerce

- No restrictions. Each project can use a separate ProvideX executable. This allows for building ProvideX Projects with older versions of ProvideX. Slower builds should be expected when using an executable other than the workspace default.

Java

Download

The Java™ runtime environment (JRE) can be acquired for free from the Sun web site as a separate download or as part of the Java software development kit (Java SDK).

The Java web site is always changing. Currently, the steps for downloading the JRE 1.5 are as follows:

1. Go to the Java website at Sun (<http://java.sun.com>) and click the following link:



2. From the download page, click:



3. You will be asked to select from two download files.

One downloads a large file to your PC that will be used to install the JRE. The other will download a small application that will then download the JRE. The instructions for installing from each of these files are also available from the same web page.

Eclipse

Download

The Eclipse software development kit (SDK) can be downloaded from the Eclipse web site (<http://www.eclipse.org/>). The SDK is distributed as a ZIP file for MS-Windows or a compressed TAR file for other operating systems. Please choose the appropriate file for your platform.

There are a number of websites that provide easier distribution and management of eclipse (some are commercial sites). Some of these are:

- Yoxos (<http://ondemand.yoxos.com/geteclipse/W4TDelegate>)
Get Eclipse! Simple, fast, on demand.
This site allows you to select the plug-ins that you want to include with Eclipse and will custom build a download file for you. It also includes a small application (YIM) that can be used to manage the Eclipse installation and updates.
- MyEclipse J2EE IDE (<http://www.myeclipseide.com/>)
Easy and affordable eclipse plug-in development tools
From the FAQ: ***What exactly is MyEclipse?***
MyEclipse is a collection of plug-ins built on top of the Eclipse framework and packaged into what is called an "extension". An extension is a collection of plug-ins, separated into their own directory, and hooked into your Eclipse install by way of the Eclipse extension mechanism.

For more information on Eclipse, please review the Eclipse FAQ (http://wiki.eclipse.org/index.php/Eclipse_FAQs).

Installation

The distribution file must be unpacked into a directory on your PC. On a MS-Windows PC, this will normally be "C:\Program Files\". The process for installing these files may vary depending on the download site that was used. The files that are downloaded from the Eclipse download site must be installed manually.

Setup

Once the installation has been completed, Eclipse must be configured to work in your environment. For more detailed information of the various features and setup steps, please visit the Eclipse web site and review:

- Documentation (<http://www.eclipse.org/documentation/>) and
- Tutorials (<https://eclipse-tutorial.dev.java.net/>).

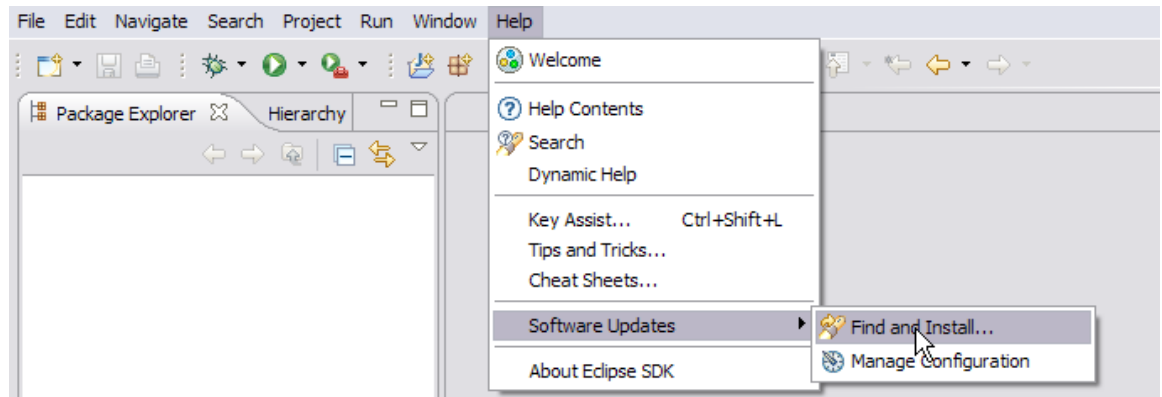
Installing the ProvideX Plug-in for Eclipse

Software Updates

Once Eclipse has been installed and configured, the next step is to get the ProvideX plug-in installed within the Eclipse environment.

The easiest method for accomplishing this task is to use the “Software Update” capability within Eclipse.

1. Start Eclipse.
2. Choose “Help” from the menu toolbar.
 - a. Choose “Software Updates”.
 - b. Choose “Find and Install...”.



3. Select the option to “Search for new features to install” and then press the “Next” button.

Feature Updates

Choose the way you want to search for features to install



☐ Search for updates of the currently installed features

Select this option if you want to search for updates of the features you already have installed.

☒ Search for new features to install

Select this option if you want to install new features from existing or new update sites. Some sites may already be available. You can add new update site URLs to the search.



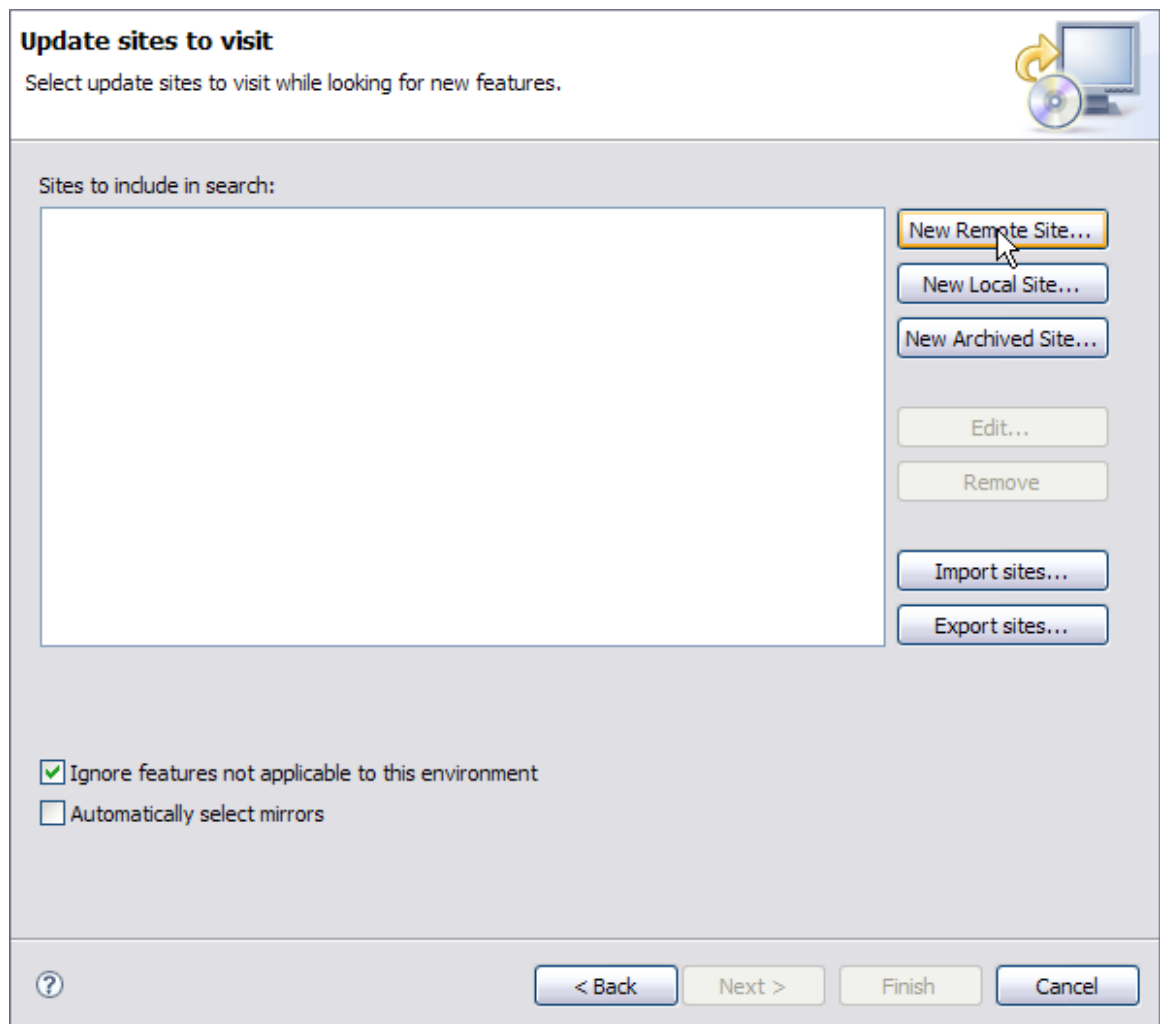
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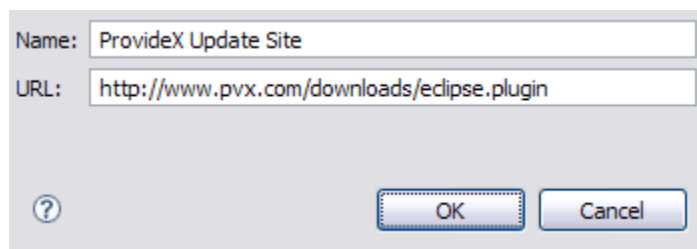
Finish

Cancel

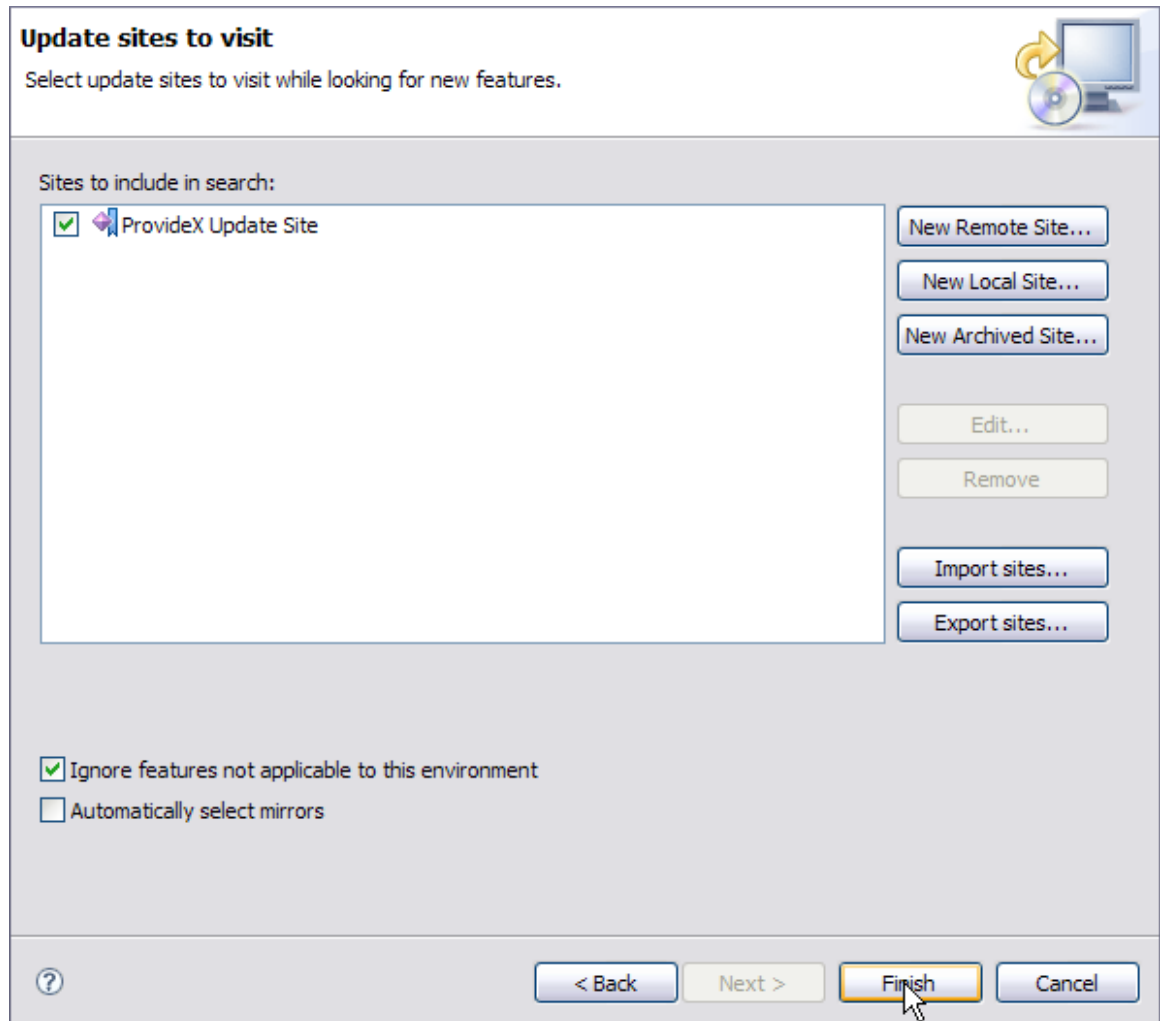
4. Select the site(s) to search for the new features.
 - a. At this point we need to add a new remote site for the ProvideX plug-in.



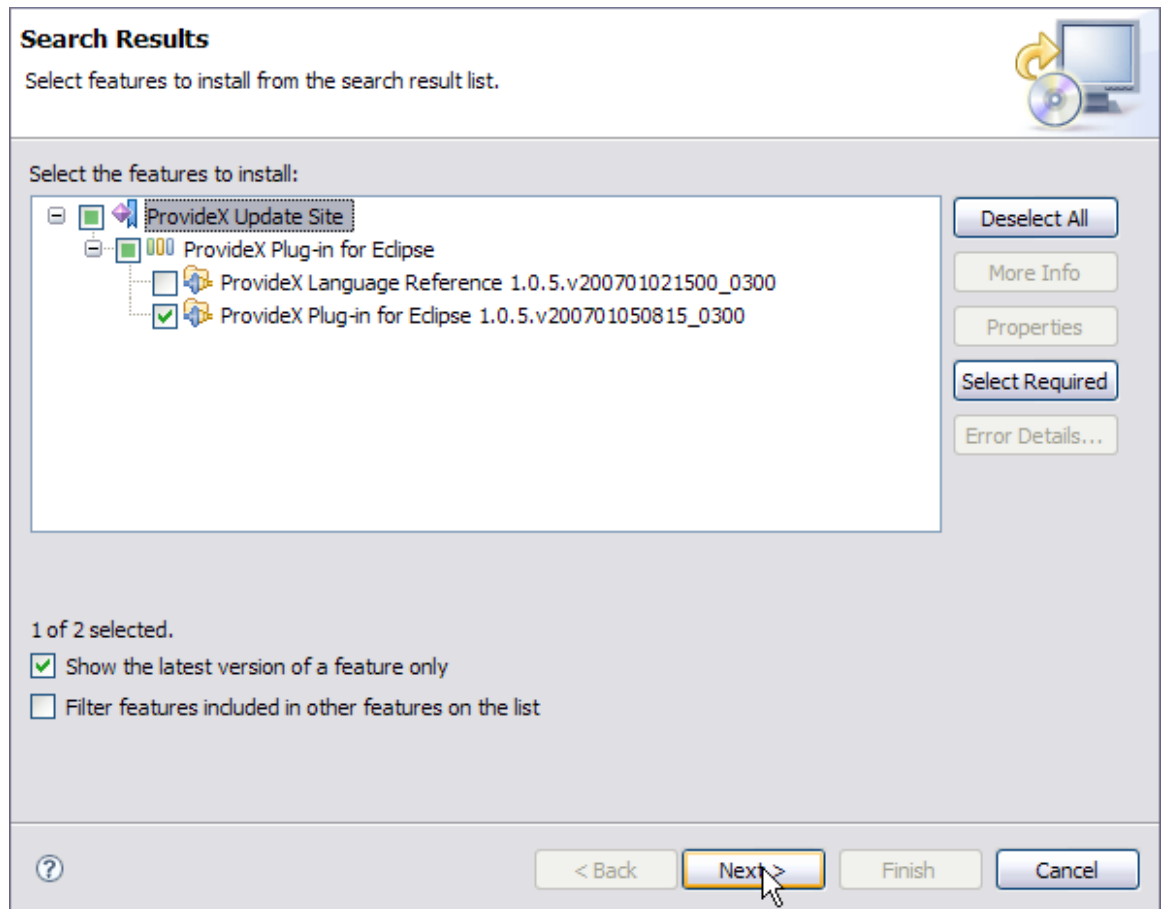
- b. Enter a name for this site and the URL that was provided for the ProvideX plug-in update site (<http://www.pvx.com/downloads/eclipse.plugin>).



- c. Now select 'ProvideX Update Site'.

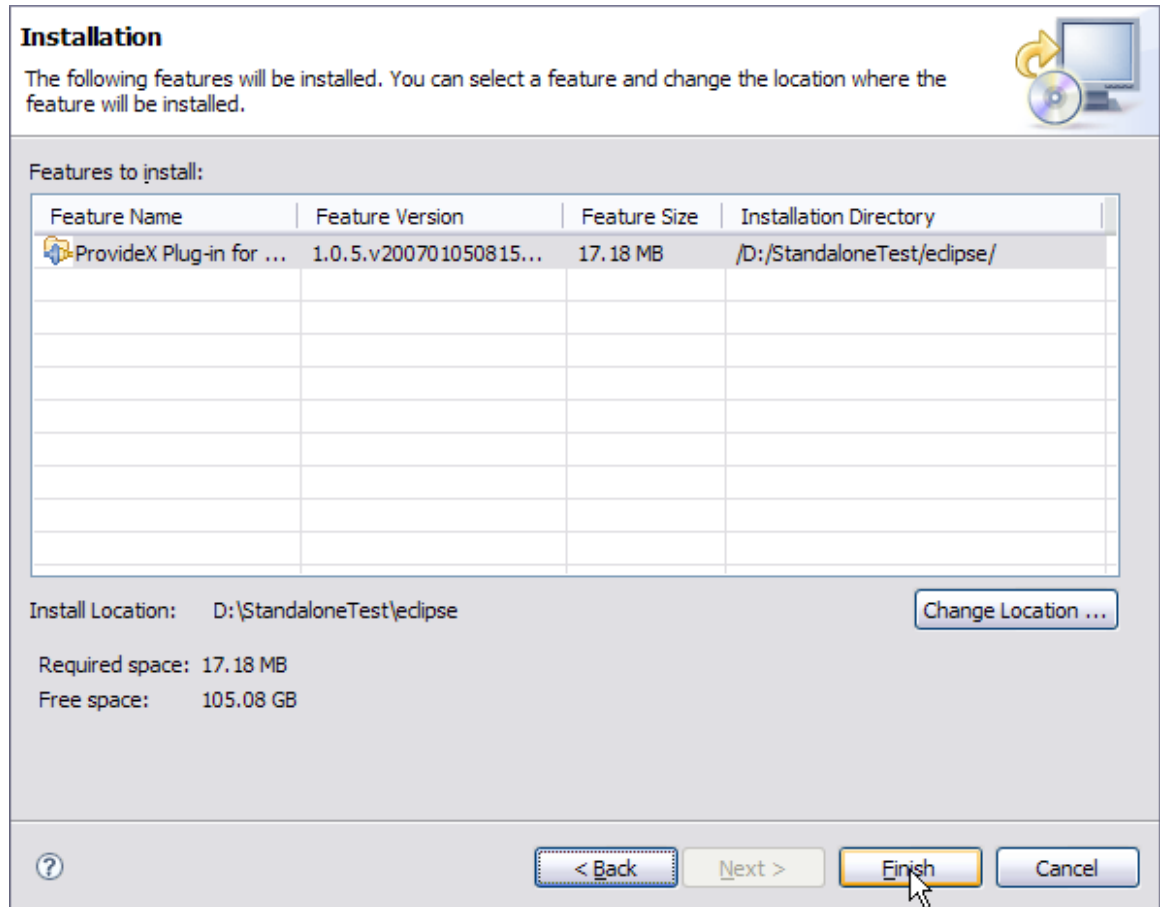


- d. Choose the ‘ProvideX Plug-in for Eclipse’ from the results of the search and then press “Next” to continue.

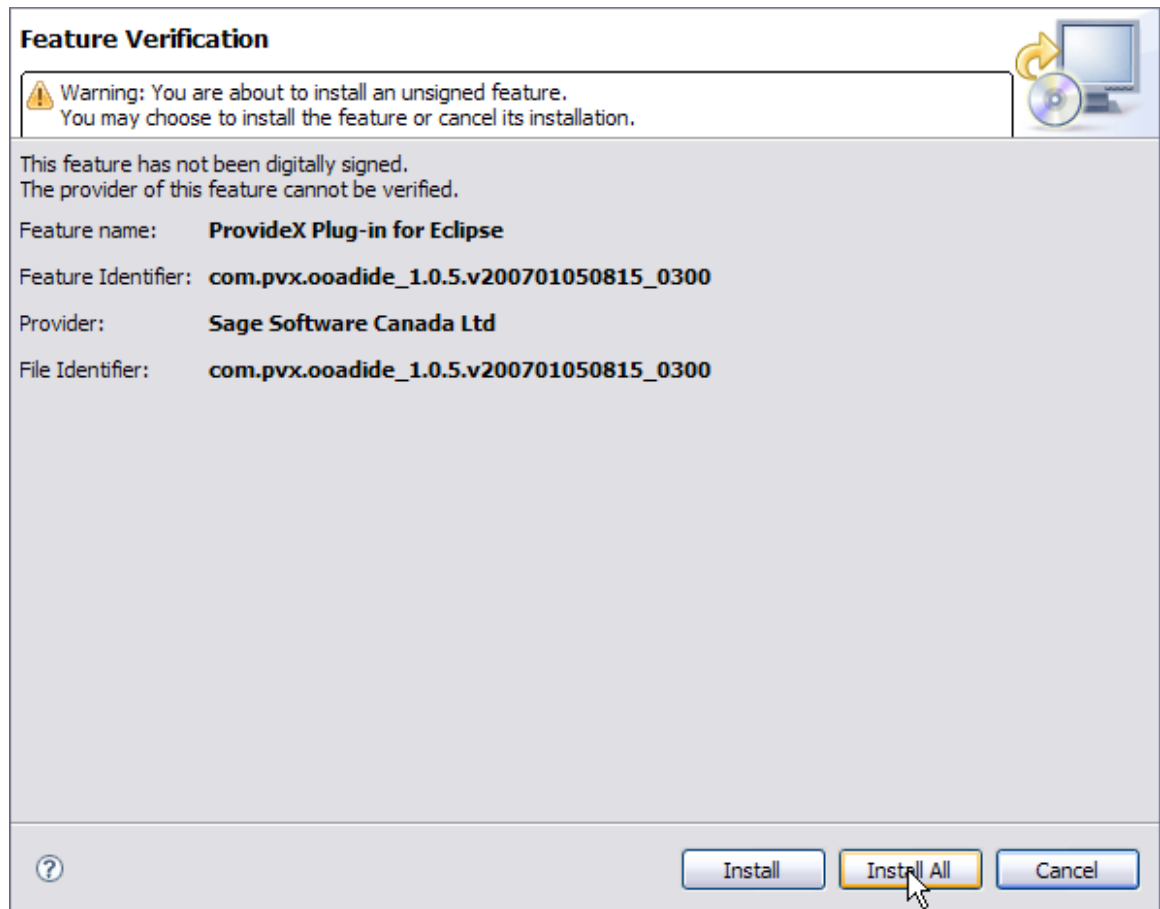


- e. Review and accept the license(s) for the selected features to continue with the installation.

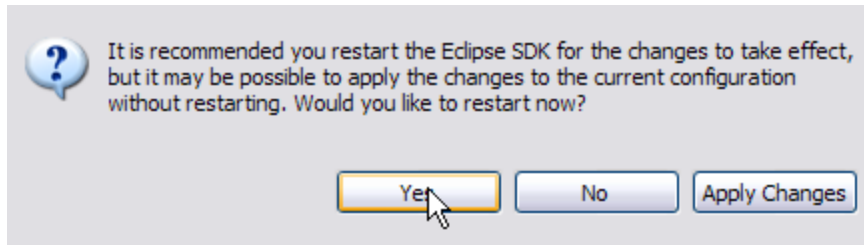
- f. The information about the features will be downloaded and displayed. Verify that there is enough space to install the selected features and press the “Finish” button.



- g. Any feature that has not been signed will require that you verify the author and acknowledge that the feature is to be installed. Simply press the “Install All” button to install all of the components of the ProvideX plug-in without any further requests for verification.



- h. Once all files have been installed, Eclipse will prompt to restart. It is best to do this restart so that the environment is properly initialized.



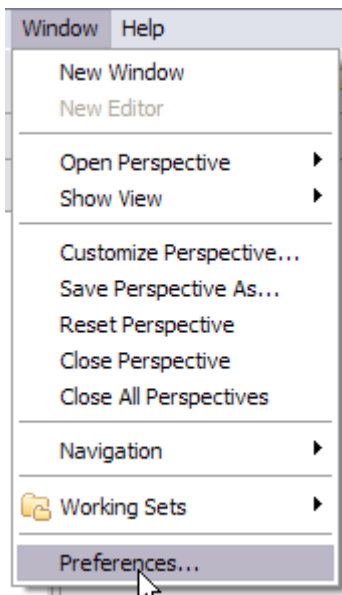
- 5. The plug-in is now installed.

Configure ProvideX Plug-in

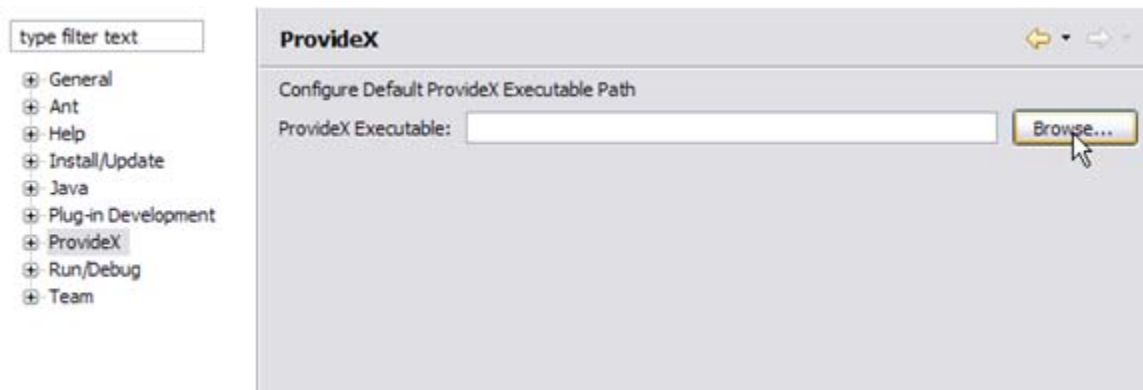
Workbench - ProvideX Executable

A ProvideX executable must be associated with the ProvideX plug-in before it can be used.

1. Select Window / Preferences from the main toolbar.



2. Select a ProvideX executable to be used; a version 7 license is required.



3. Accept this executable to enable the remainder of the ProvideX plug-in preferences.

Documentation

A “*ProvideX Development User Guide*” is included in the Eclipse Help when the plug-in is installed. It can be accessed from the Help / Help Contents on the main toolbar.

This documentation includes information about additional configuration for the plug-in, creation of a sample project, and a short FAQ.