pure::variants Setup Guide

pure-systems GmbH

Version 6.0.5.221 for pure::variants 6.0 Copyright © 2003-2024 pure-systems GmbH

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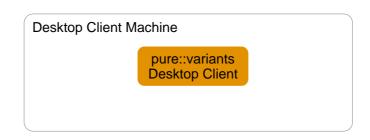
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1. Introduction

This setup guide describes how to install and update pure::variants Community on a personal computer.

The following sections provide detailed insights in each of the individual pure::variants Deployment components from the perspective of administration and setup.





The manual is available in online help inside the installed product as well as in printable PDF format. Get the PDF here.

2. System Requirements

pure::variants has different system requirements, depending on the part of the software going to be installed. The following lists the system requirements for all parts of the software.

2.1. pure::variants Desktop Client

• Operating System

Only 64-bit operating running on x64 systems are supported:

- Windows 10, 11
- Windows Server 2016, 2019, 2022
- Linux with X11 Window System installed
- Mac OS
 - For Macs with Apple Silicon Rosetta 2 needs to be installed.
- Software
 - Oracle Java SE or OpenJDK

Supported Java versions:

- Java 8 17
- The Java compatibility is tested with the official Java Standard Edition provided by Oracle (https://www.java.com/en/download/) and the OpenJDK provided by Oracle (https://jdk.java.net/archive/).
- Eclipse 4.6 4.31
- Memory
 - Min: 4 GB
 - Recommended: 8 GB
- CPU
 - Min: Dual Core CPU
 - Recommended: 4 CPU cores
- HDD
 - Min: 10 GB free disk space

3. pure::variants Desktop Client

The pure::variants Desktop Client can be installed using the pure::variants installer as a stand-alone application or it can be installed into an existing Eclipse based tool chain. For both ways to install pure::variants we recommend to use the pure::variants installer.

The pure::variants installer is available for Windows only. If the operating system platform is Linux or MacOS X, pure::variants needs to be installed into an existing Eclipse instance. See Section 3.1.2, "Install into an existing Eclipse".

In case of very strict firewalls or no network access on the installation machine either install pure::variants as a stand-alone application. (Section 3.1.1, "Install with pure::variants Installer") or install pure::variants into an

existing Eclipse instance using an update site. (the section called "Using update site"). These installation methods allow you to first download the installation packages and install pure::variants afterwards.

The installation procedures are described below. Once the initial installation has finished, installation of a license is required to use pure::variants. See following section for more information on license installation.

3.1. Install pure::variants Desktop Client

3.1.1. Install with pure::variants Installer

This installation method is available for Windows only. If you do not use Windows please see Section 3.1.2, "Install into an existing Eclipse".

To be able to successfully install the pure::variants Desktop Client you need to following:

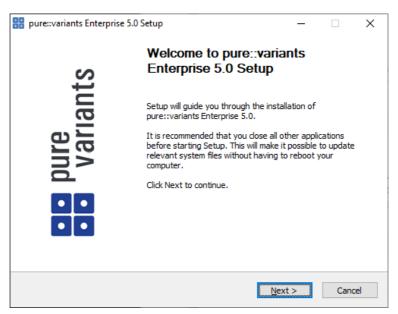
- pure::variants Desktop Client license
 - If a floating license is used additionally the license server URL is needed to be able to connect and obtain a license form the license server.
- pure::variants Desktop Client installer or pure::variants update site
- supported 64-Bit Java version installed

The Windows Installer can be download from the pure::variants product web page. Go to https://www.puresystems.com/pvde-update. The product download pages are protected by a password. You need to login by using the email address and the registration number from the license file.

Download the installer package ("pure::variants Windows Installer Package") and extract it. The installer will set up a fresh Eclipse with pure::variants and documentation. Start the installation by double-clicking "Setup Enterprise X.Y.ZZ.exe". Running the pure::variants enterprise installer requires Administrator privileges.

All pure::variants extensions available for the account are automatically included in the Windows Installer download. However, some may not be enabled by default in Installer. Make sure to select the desired extensions during the installation process. Later updates to the extension selection can be done either by reinstalling pure::variants or by following the alternatives described in the section called "Using update site".

Figure 2. pure::variants Desktop Client Installer



Click Next.

Figure 3. Setup pure::variants Desktop Client License

🔡 pure::variants Enterprise 5.0 Setup —		\times
License Agreement		
Please review the license terms before installing pure::variants Enterprise 5.0.	l	•••
Press Page Down to see the rest of the agreement.		
pure-systems Electronic End User License Agreement		^
Notice to User: This End User License Agreement (EULA) is a CONTRACT between you (either an individual or a single entity) and pure-systems GmbH ("pure-systems") which covers your use of		
pure::variants		
and related software components, which may include associated media.		¥
If you accept the terms of the agreement, select the first option below. You must agreement to install pure::variants Enterprise 5.0. Click Next to continue.	accept	the
I accept the terms of the License Agreement I do not accept the terms of the License Agreement		
pure-systems		
< Back Next >	Cano	el

Read the license agreement and after accepting it click Next.

Figure 4. Setup pure::variants Desktop Client Installation Location

🔡 pure::variants Enterprise 5.0 Setup	_		×
Choose Install Location			
Choose the folder in which to install pure::variants Enterprise 5.0.			••
Setup will install pure::variants Enterprise 5.0 in the following folder. folder, click Browse and select another folder. Click Next to continue.		n a differe	ent
Destination Folder			
C:\Program Files\pure-systems\pv_Enterprise_5.0	Bro	wse	
pure-systems			
< Back Ne	ext >	Can	ncel

Select the folder where to install the pure::variants Desktop Client files. Click Next.

Figure 5. pure::variants Desktop Client Feature Selection

pure::variants Enterprise 5.0	Setup	_	
Choose Components Choose which features of pure	variants Enterprise 5.0 you want:	to install.	•••
Check the components you was install. Click Next to continue.	nt to install and uncheck the compo	onents you don	't want to
Select components to install:	Product Went Enterprise Went Extensions Connector for Artop Connector for AUTOS Went Connector for Bugzill Went Connector for Calible Went Connector for Calibe Went Connector for Calibe Went Connector for Calibe Went Connector for Calibe Went Connector for Cali	a rRM	* *
pure-systems	< Back	Next >	Cancel

Select the connectors which shall be installed with the pure::variants Desktop Client. Click *Next* after the feature selection is complete.

Figure 6. Setup pure::variants Desktop Client Start Menu

🚼 pure::variants Enterprise 5.0 Setup —		×
Choose Start Menu Folder		••
Choose a Start Menu folder for the pure::variants Enterprise 5.0 shortcuts.		••
Select the Start Menu folder in which you would like to create the program's sho can also enter a name to create a new folder.	ortcuts. Y	/ou
7-Zip Accessibility Accessories Administrative Tools Core Temp Cygwin Dell Enterprise Architect 14		
FreeMind IBM Engineering Systems Design Rhapsody 9.0.1 IBM Engineering Workflow Management Client		~
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Enter the name for the Windows start menu entry, or disable the creation of the start menu entry. Click Next

The next pages may show information about pure::variants integrations, which are installed along with the pure::variants Desktop Client. If no connector was selected providing an integration, this page will show the *Install* button.

Click Install to start the installation process.

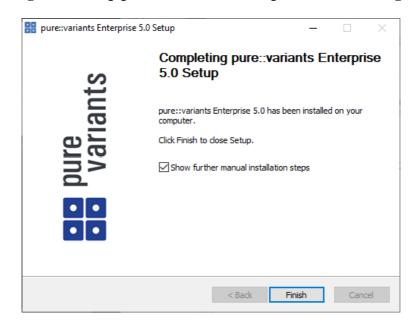


Figure 7. Setup pure::variants Desktop Client Finish Page

The Option *Show further manual installation steps* will open a text document showing more information about the installed integrations and possible manual installation steps, which have to be performed for the integrations to work properly.

pure::variants Enterprise Installer Command Line Options

The pure::variants installer provides the following command line options:

Option	Description
/S	Run the installation in silent mode. No installation dialog is opened.
	Automatically installs the default selected software packages, or all if used together with option /ALL.
/UPDATE /S	To update an existing installation in silent mode. Same as silent installation, no dialog is opened.
	To update an exsiting installation in silent mode. Same as silent installation, no dialog is opened, but ensures installer not running in background.
/ALL	Select all packages for installation.
/NODOTNET	Skip installation of the .NET 4 Framework.
/NOINTCOMP	Skip installation of the integration components for Java & .NET.
/JAVA	Location of the Java executable to be used for the installation.
	Example: /JAVA="C:\Program Files\Java\jre6\bin\java.exe"
/ECLIPSE	Path to an existing Eclipse installation into which to install pure::variants as a feature, instead of installing pure::variants as a stand-alone application.
	This directory must contain the file eclipsec.exe.
	Example: /ECLIPSE="C:\Program Files\Eclipse 3.8\eclipse"
/D	Path to the directory where to install the pure::variants stand-alone application.

Table 1. pure::variants Installer Command Line Options

Option	Description
	Must be the last option on the command line and must not contain any quotes, even if the path contains spaces.
	Example: /D=C:\Program Files\pure-variants

Example commandline with JAVA path:

```
"D:\5.x.x\pure-variants Setup 5.x.x\Setup Enterprise 5.x.x.exe" /JAVA="C:\Program Files\Java \jrel.8.0_231\bin\java.exe"
```

Install pure::variants in silent mode

The pure::variants Desktop Client installer has a silent mode. This mode installs the pure::variants Desktop Client without user interaction by just using the standard settings of the pure::variants Desktop Client installer also considering further options on the command line.

To do this, call the installer with command line option /S. See the section called "pure::variants Enterprise Installer Command Line Options" for all available command line options.

Update pure::variants in silent mode

It is also possible to run the update in background or silent mode to update an existing installation. Note that there will be no console output as well.

To do this, call the installer with command line option /UPDATE /S. To run it in silent mode but not in background *start "" /WAIT "Setup.exe" /UPDATE /S* can be used. See the section called "pure::variants Enterprise Installer Command Line Options" for all available command line options.

3.1.2. Install into an existing Eclipse

pure::variant can be installed into an existing Eclipse based tool chain. To install pure::variants, the pure::variants installer package download from the pure::variants updatesite can be used. We recommend this for all Windows users.

Alternatively the pure::variants update site can be used directly with the Eclipse client. You can also download an archived update site from the pure::variants update site and use this with the Eclipse client (See the section called "Using update site").

Installation Requirements

pure::variants needs to following features to already be installed in the target Eclipse, or the Eclipse instance has to have access to the Eclipse release update site.

- JavaScript Development Tools
 - · org.eclipse.wst.jsdt.feature.feature.group
- Eclipse Business Intelligence and Reporting Tools (BIRT)
 - org.eclipse.birt.feature.group
- Graphical Modeling Framework
 - org.eclipse.gmf.feature.group

Using pure::variants Installer

The installation into an existing Eclipse instance is done the same way as installing pure::variants as stand-alone application (See Section 3.1.1, "Install with pure::variants Installer").

There is one difference: the target Eclipse has to be defined with the /ECLIPSE command line option.

Using update site

- Start pure::variants (or the Eclipse into which pure::variants has been installed).
- Select "Help"->"Install New Software...".
- Select "pure::variants update site" from the available Software Sites.

If location "pure::variants update site" is not present, enter your location in the edit field, or press "Add" if you have a local update site at hand.

The location of the site depends on the pure::variants product variant. Visit the pure-systems web site (https://www.pure-systems.com) or read your registration email to find out which site is relevant for the version of the software you are using.

Preferences			— 🗆 X
type filter text	Available Software Sites		⇔ • ⇔ • •
> General > C/C++			
> C/C++ > Help	type filter text		
✓ Install/Update	Name	Location	Add
Automatic Updates Available Software Sites	✓ ✓ Juno ✓ ✓ pure::variants Update Site	http://download.eclipse.org/releases/juno /pvde-update/	Edit
> JavaScript > Run/Debug			Remove
 > Team > Variant Management 			Reload
			Enable
			Import
			Export
	<		>
< >>			
?			OK Cancel

Figure 8. Update Site Selection

• Unfold the pure::variants update site and select all features to be updated. Select "Next".

Figure 9. Pure::variants Plu	igin Selection
------------------------------	----------------

🖨 Install				— [⊐ ×
Available Software					
Check the items that you wish to install.					
Check the items that you wish to install.					
Work with: pure::variants Update Site/pure-variants/5.0.0/pvde-update/				~ .	Add
L	Find more softw	are by working wit	h the <u>"Available So</u>	oftware Sites"	preferences.
type filter text					
Name	Version				^
v □ 000 5.0.0.685	VEISION				_
	E 0.0 C05				_
☐ 🆗 pure::variants - Configurator - Enterprise ☐ 🏟 pure::variants - Configurator - Professional	5.0.0.685 5.0.0.685				
we pure::variants - Configurator - Professional we pure::variants - Connector for Artop	5.0.0.685				
pure::variants - Connector for Altop \$ pre::variants - Connector for AUTOSAR	5.0.0.685				
pure::variants - Connector for Bugzilla	5.0.0.685				
pure::variants - Connector for Buggina	5.0.0.685				
pure::variants - Connector for Ecore	5.0.0.685				
					~
Select All Deselect All					
Details					
The pure::variants plugin enables variant management for software product lines.					0
					More
Show only the latest versions of available software	Hide items that are a	lready installed			
Group items by category	What is already install	ed?			
Show only software applicable to target environment		_			
Contact all update sites during install to find required software					
(?)	< Ba	ck Next >	> Finis	h (Cancel
<u> </u>					

• Accept license, hit "Next" and then "Finish".

Figure 10. Lice	nce Agreement
🖨 Install	– 🗆 X
Review Licenses Licenses must be reviewed and accepted before the software can be installed.	
Licenses:	License text:
 pure-systems Electronic End User License Agreement 	pure-systems Electronic End User License Agreement A Notice to User: This End User License Agreement (EULA) is a CONTRACT between you (either an individual or a single entity) and pure-systems GmbH ("pure-systems") which covers your use of pure:variants - Connector for EMF Feature Mapping and related software components, which may include associated media, printed materials, and "online" or electronic documentation. All such software and materials are referred to here as the "Software Product." If you do not agree to the terms of this EULA, then do not install or use the Software Product. By explicitly accepting this EULA, however, or by installing, copying, downloading, accessing or otherwise using the Software Product, you are acknowledging and agreeing to be bound by the following terms: 1. Grant of Non-Exclusive License pure-systems grants you the right to install and use a single copy of the Software Product only on your computer. You may make copies of the Software Product so needed for backup and archival purposes. 2. Intellectual Property Rights Reserved by pure-systems The Software Product is protected by german and international copyright laws and treaties, as well as other intellectual property laws and V

• In the dialog select "Install all".

?

• Restart pure::variants when asked for.

If the direct remote update is not possible (often due to firewall/proxies preventing Eclipse accessing external web sites), please go to the web site using an Internet browser:

< Back

Finish

Cancel

- · For pure::variants Evaluation use https://www.pure-systems.com/pv-update
- For pure::variants Enterprise use https://www.pure-systems.com/pvde-update

and download the "Complete Updatesite" archive:

- Start pure::variants (or the Eclipse into which pure::variants has been installed).
- Select "Help"->"Software Updates"->"Find and Install...".
- Select "Search for new features to install" and "Next".
- Click on button "Archived Update Site" or "Local Update Site".
- Use "Browse" to select the downloaded archive file.
- Press "Ok". The pure::variants update site from the archive should be selected.
- All other check boxes should be unselected to speed up the process. Press "Finish".

- Unfold everything below pure::variants update site and select all features to be updated. Select "Next".
- Accept license, hit "Next" and then "Finish".
- In the dialog, select "Install all".
- Restart pure::variants when asked for.

3.2. Update pure::variants Desktop Client

3.2.1. Update with pure::variants Installer

This update method is available for Windows only. If you do not use Windows please see Section 3.2.2, "Update with Update Action" or Section 3.2.3, "Update with Eclipse package manager".

The Windows Installer can be downloaded from the pure::variants product web page. Go to https://www.puresystems.com/pvde-update. The product download pages are protected by a password. You need to login using the email address and the registration number from the license file.

Download the installer package ("pure::variants Windows Installer Package") and extract it. The installer will check for an existing pure::variants Desktop Client installation and start in update mode if it finds one. Start the update by double-clicking "Setup Enterprise X.Y.ZZ.exe". Running the pure::variants enterprise installer requires administrator privileges.

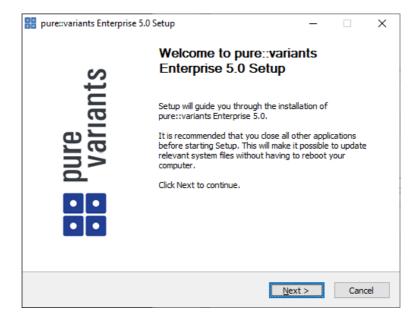


Figure 11. pure::variants Desktop Client Installer

Click Next.

Figure 12. Setup pure::variants Desktop Client License

🔡 pure::variants Enterprise 5.0 Setup —	×
License Agreement	
Please review the license terms before installing pure::variants Enterprise 5.0.	••
Press Page Down to see the rest of the agreement.	
pure-systems Electronic End User License Agreement	^
Notice to User: This End User License Agreement (EULA) is a CONTRACT between you (either an individual or a single entity) and pure-systems GmbH ("pure-systems") which covers your use of	
pure::variants	
and related software components, which may include associated media.	×
If you accept the terms of the agreement, select the first option below. You must ac agreement to install pure::variants Enterprise 5.0. Click Next to continue.	cept the
I accept the terms of the License Agreement	
O I do not accept the terms of the License Agreement	
pure-systems	
< Back Next >	Cancel

Read the license agreement, and after accepting it click Next.

🔡 pure::variants Enterprise 5.0 Setup —		×
Update existing Installation		
Choose between update or overwrite		• •
There is already a pure::variants installation at:		
C:\Program Files\pure-systems\pv_Enterprise_5.0		
Please select if the installation should be updated or overwritten.		
Update		
◯ Install		
pure-systems		
< Back Next >	Ca	incel

Figure 13. Choose Update Mode

Choose *Update* if the current pure::variants Desktop Client installation shall just be updated with the same installed feature and settings. The installed pure::variants integrations will also be updated. The installed components cannot be changed. If a change of the installed components is wanted, choose *Install* mode.

Or choose *Install* if the current pure::variants installation shall be removed and a new fresh pure::variants Desktop Client shall be installed. The *Install* option runs the installer as described in Section 3.1.1, "Install with pure::variants Installer". Please see this section for further installation steps.

Click Next.

Figure 14. pure::variants Start Update

🔡 pure::variants Enterprise 5.0 Setup	_		×
Update Installation Update the current installation to version 5.0.0			••
The current pure::variants installation will be updated.			
During the update all current installed pure::variants features updated to the new version. No new features will be installed.			
All installed external tool integrations will also updated to the r	iew versi	on.	
pure-systems	ate	Ca	ncel

Click *Update* to start the update process.

Figure 15. pure::variants Installation Progress

🔡 pure::variants Enterprise 5.0 Setup		_		\times
Installation Complete				
Setup was completed successfully.				• •
Completed				
Extract: plugin_customization.ini 100%				^
Output folder: C:\Program Files\pure-syste	ms\pv_Enterpri	se_5.0		
Extract: pv.ico 100%				
Copy to C:\Program Files\pure-systems\pv	_Enterprise_5.0	١		
Create shortcut: C:\ProgramData\Microsoft	t\Windows\Star	t Menu\Program	s\pure-var.	
Create shortcut: C:\ProgramData\Microsof			-	
Create shortcut: C:\ProgramData\Microsoft			s\pure-var.	
Delete file: C:\Users\openvpn\AppData\Loo				
Created uninstaller: C:\Program Files\pure-	systems\pv_En	terprise_5.0\uni	nstall.exe	
Completed				~
pure-systems				
	< Back	Next >	Ca	ncel

This page is showing the installation details. Click Next after this is finished.

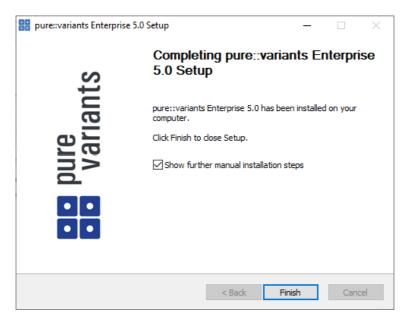


Figure 16. Update pure::variants Desktop Client Finish Page

The Option *Show further manual installation steps* will open a text document showing more information about the installed integrations and possible manual installation steps, which have to be performed for the integrations to work properly.

3.2.2. Update with Update Action

pure::variants has a built-in update action which can be used to perform an update with all the currently installed pure::variants extensions. This update action does not update the installed pure::variants integrations automatically. But they can be easily updated with the *Tool Integration Update* action. See ??? for the detailed description.

The update action requires administrator privileges.

Note

The pure::variants Desktop Client restarts automatically after the update process finished. So please make sure that all open editors are saved and closed before continuing.

					-
w	Help				
1	3	Welcome			Quick A
	?	Help Contents			🗢 Rel 🔀 🗄
	<u> 8</u>	Search		^	
		Show Contextual Help			No relations ava
		Show Active Keybindings Ctrl+Shift+L			
	8	Tips and Tricks			
		Cheat Sheets			
	88	pure::variants >	88	pure::variants Offline License.	
	<i>e</i> g	Check for Updates		pure::variants Updates	
	₽.	Install New Software		Tool Integration Updates	
	88	About Eclipse Platform			Update curre
	_				

Figure 17. Start pure::variants Desktop Client Update

Start the pure::variants Desktop Client update with the *pure::variants Updates...* action from the pure::variants *Help* menu. The action can be found in the *pure::variants* sub-menu.

If the pure::variants Desktop Client is not started as Administrator, a dialog comes up to inform that pure::variants has to be started as Administrator.

pure::variants Updates			×
vailable Updates			
Please select updates to perform			
	Installed	Available	
V v pure::variants - Enterprise	4.0.22.685	5.0.0.685	
🗹 🍫 pure::variants - Variability Exchange Language	4.0.22.685	5.0.0.685	
🗹 🍫 pure::variants - SDK	4.0.22.685	5.0.0.685	
🗹 🍫 pure::variants - OSLC Support	4.0.22.685	5.0.0.685	
🗹 🔷 pure::variants - Detailed Element Specification Page 🚽	4.0.22.685	5.0.0.685	
🗹 🍫 pure::variants - Connector for IBM Rational DOORS	4.0.22.685	5.0.0.685	
🗹 🍫 pure::variants - Eclipse Online Help Fix	4.0.22.685	5.0.0.685	
?	Finish	Cancel	

Figure 18. Start pure::variants Desktop Client Update

A dialog comes up and shows all available updates. Select the features to update an click *Finish*. The update process starts and shows the progress in the same window.

Figure 19. Start pure::variants Desktop Client Update

🔡 Upda	ate pure::variants	×
i	Update successful. Restarting Eclipse	
		ОК

After the update process finished, the pure::variants Desktop Client restarts automatically.

3.2.3. Update with Eclipse package manager

The quickest way to get a update for pure:.variants is to run the software updater inside pure::variants:

- Start pure::variants (or the Eclipse into which pure::variants has been installed).
- Select "Help"->"Install New Software...".
- Select "pure::variants update site" from the available Software Sites.

If location "pure::variants update site" is not present, enter your location in the edit field, or press "Add" if you have a local update site at hand.

The location of the site depends on the pure::variants product variant. Visit the pure-systems web site (https://www.pure-systems.com) or read your registration email to find out which site is relevant for the version of the software you are using.

Preferences			- 🗆 X
type filter text	Available Software Sites		↓ ↓ ↓ ↓
 > General > C/C++ > Help > Install/Update Automatic Updates Available Software Sites > JavaScript 	type filter text Name [Location http://download.eclipse.org/releases/juno /pvde-update/	Add Edit
 > Run/Debug > Team > Variant Management 			Remove Reload Enable
			Import Export
	٢		>
< >		OF	Cancel

Figure 20. Update Site Selection

• Unfold the pure::variants update site and select all features to be updated. Select "Next".

Figure 21. pure::variants Plugin Selection

🔿 Install			• ×
Available Software			
Check the items that you wish to install.			
Work with: pure::variants Update Site/pure-variants/5.0.0/pvde-update/		~	Add
	Find more software by working with th	ne <u>"Available Software Site</u>	<u>es"</u> preferences.
type filter text			
Name	Version		^
✓ □ 000 5.0.0.685			
🔲 🚯 pure::variants - Configurator - Enterprise	5.0.0.685		
🔲 🏇 pure::variants - Configurator - Professional	5.0.0.685		
Pure::variants - Connector for Artop	5.0.0.685		
🔲 🚯 pure::variants - Connector for AUTOSAR	5.0.0.685		
🔲 🚯 pure::variants - Connector for Bugzilla	5.0.0.685		
🔲 🖗 pure::variants - Connector for CaliberRM	5.0.0.685		
🔲 🖗 pure::variants - Connector for Ecore	5.0.0.685		~
Select All Deselect All			
Details			
The pure::variants plugin enables variant management for software product lines.			
The parentanenes plagar enables fanane management for sortifate product mes			\sim
			More
Show only the latest versions of available software	Hide items that are already installed		
Group items by category	What is <u>already installed</u> ?		
Show only software applicable to target environment			
Contact all update sites during install to find required software			
?	< Back Next >	Finish	Cancel

• Accept the license, hit "Next" and then "Finish".

Figure 22. Licence Agreement

cense text: bure-systems Electronic End User License Agreement Notice to User. This End User License Agreement (EULA) is a CONTRACT between you (either an individual or a single entity) and pure-systems mbH "pure-systems") which covers your use of pure:svariants - Connector for EMF Feature Mapping and related software components, which may include associated media,
vinited materials, and "online" or electronic documentation. All such offware and materials are referred to here as the "Software Product." fyou do not agree to the terms of this EULA, then do not install or is the Software Product. By explicitly accepting this EULA, however, or py installing, copying, downloading, accessing or otherwise using the offware Product. By explicitly accepting this EULA however, or put stalling, copying, downloading, accessing or otherwise using the offware Product. You are acknowledging and agreeing to be bound by the ing terms: 1. Grant of Non-Exclusive License uner-systems grants you the right to install and use a single copy of the Software Product only on your computer. You may make copies of he Software Product as needed for backup and archival purposes. 2. Intellectual Property Rights Reserved by pure-systems Ine Software Product is protected by german and international copyright aws and treaties, as well as other intellectual property laws and 10 accept the terms of the license agreements

- In the dialog select "Install all".
- Restart pure::variants when asked for.

If the online update is not possible (often due to firewall/proxies preventing Eclipse accessing external web sites), please go to the web site using an Internet browser:

- For pure::variants Evaluation use https://www.pure-systems.com/pv-update
- · For pure::variants Enterprise/Professional use https://www.pure-systems.com/pvde-update

and download the "Complete Updatesite" archive:

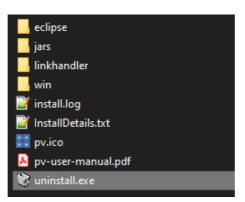
- Start pure::variants (or the Eclipse into which pure::variants has been installed).
- Select "Help"->"Software Updates"->"Find and Install...".
- Select "Search for new features to install" and "Next".
- Click on button "Archived Update Site" or "Local Update Site".
- Use "Browse" to select the downloaded archive file.
- Press "Ok". The pure::variants update site from the archive should be selected.
- All other check boxes should be unselected to speed up the process. Press "Finish".
- Unfold everything below pure::variants update site and select the features to be updated. Select "Next".
- Accept the license, hit "Next" and then "Finish".
- In the dialog select "Install all".
- Restart pure::variants when asked for.

3.3. Uninstall pure::variants Desktop Client

3.3.1. Uninstall using pure::variants Uninstaller

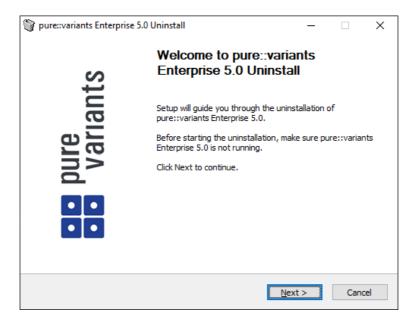
The uninstaller for the pure::variants Desktop Client can be started in two different ways. The first is to go to the Windows *Add or remove programs* application and search for *pure::variants Enterprise* and start the uninstaller by using the *Uninstall* action. The uninstaller requires Administrator privileges.

Figure 23. pure::variants Desktop Client Uninstaller



The second way is to navigate to the pure::variants Desktop Client installation folder and start the uninstaller by double clicking it.

Figure 24. pure::variants Desktop Client Uninstaller



Click Next.

Figure 25. Uninstall from

🍟 pure::variants Enterprise 5.0 Uninstall 🦳 🗌								
Uninstall pure::variants Enterprise 5.0 Remove pure::variants Enterprise 5.0 from your computer.								
pure::variants Enterprise 5.0 will be uninstalled from the following folder. Click Uninstall to start the uninstallation.								
Uninstalling from:	C:\Program Files\pure-sy	stems\pv_Enterprise_	5.0\					
pure-systems		< Back Un	install	Can	cel			

Click Uninstall to start the uninstall process.

Figure 26. Completing Uninstall

pure::variants Enterprise 5.0) Uninstall	_		\times
ts	Completing pure::vari 5.0 Uninstall	ants Er	nterpri	ise
an	pure::variants Enterprise 5.0 has be computer.	en uninstal	led from y	/our
• • pure • • variants	Click Finish to close Setup.			
	< Back F	Finish	Can	cel

Click *Finish* to close the uninstaller.

3.3.2. Uninstall pure::variants from existing Eclipse instance

There are two ways to remove pure::variants from an Eclipse instance. You can use the Eclipse command line or remove the pure::variants features one by one in the running Eclipse Instance. Either way a cleanup of the Eclipse instance has to be performed afterwards.

If the Eclipse instance is not needed anymore you can just remove the whole Eclipse installation from the file system. If the Eclipse is of further use, follow one of the installation methods.

Uninstall pure::variants in running Eclipse Instance

To remove an installed feature from Eclipse using the Eclipse client, open the *About Eclipse Platform* dialog with the *About Eclipse Platform* action in the *Help* menu.

Figure 27. Eclipse About Dialog

e	About Eclipse Pl	atform			×
		Eclipse Platform			
	\mathbf{N}	Version: 2018-12 (4.10) Build id: I20181206-0815			
	(c) Copyright Eclipse contributors and others 2000, 201 Eclipse and the Eclipse logo are trademarks of the Eclip https://www.eclipse.org/. The Eclipse logo cannot be a Eclipse's permission. Eclipse logos are provided for use logo and trademark guidelines, https://www.eclipse.or Java are trademarks or registered trademarks of Oracle Other names may be trademarks of their respective ow This product includes software developed by other op- including the Apache Software Foundation, https://www.	pse Four altered v e under rg/logot and/or vners. en source	ndation, without the Eclip tm/. Ora its affilia	Inc., ise cle and ates.	
C	? Installation	Details		Close	2

Use the Installation Details button to access the installation details.

Figure 28. Eclipse About Dialog

ype filter text			
Name	Version	ld	,
🖗 pure::variants - Connector for Enterprise Architect	5.0.0.685	com.ps.consul.eclipse.purevariants.sparxs	
nure::variants - Connector for IBM Rational DOORS	5.0.0.685	com.ps.consul.eclipse.purevariants.doors	1
> 🚯 pure::variants - Connector for Reporting with BIRT	5.0.0.685	com.ps.consul.eclipse.purevariants.birt.fe	1
🚯 pure::variants - Enterprise	5.0.0.685	com.ps.consul.eclipse.purevariants.de.ent	
🚯 pure::variants - SDK	5.0.0.685	com.ps.consul.eclipse.purevariants.sdk.fe	•
< [^]		>	
oure::variants - Enterprise			,

Use the *Uninstall* button to start the uninstallation of the selected features. Selecting multiple features at once is possible.

Figure 29. Eclipse About Dialog

🖨 Uninstall			×
Uninstall Details Review and confirm the items to be uninstalled.		2	
Name		Version	
🖗 pure::variants - Connector for Enterprise Architect		5.0.0.685	
🖗 pure::variants - Connector for IBM Rational DOORS		5.0.0.685	
🖗 pure::variants - Connector for Reporting with BIRT		5.0.0.685	
🐢 pure::variants - Enterprise		5.0.0.685	
🖗 pure::variants - SDK		5.0.0.685	
<			>
Details			
			÷.
	_	_	
		Cance	el

Click *Finish* to start the uninstall process. After it finished, Eclipse will prompt you to restart the application. Click *Restart* to finish the uninstallation.

Uninstall pure::variants using Eclipse uninstall application

To use the uninstall application you need the feature ids of the features you want to uninstall. The feature ids can be found in the *About Eclipse Plattform* dialog. Open the dialog with the *About Eclipse Plattform* action in the *Help* menu.

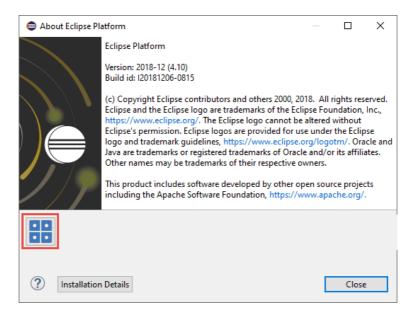


Figure 30. Eclipse About Dialog

Click on the pure::variants icon.

out Eclipse Platform F			1
rovider	Feature Name	Version	Feature Id
ure-systems GmbH	pure::variants - Enterprise	5.0.0.685	com.ps.consul.eclipse.purevariants.de.enterprise
ure-systems GmbH	pure::variants Connector for Enterprise Architect	5.0.0.685	com.ps.consul.eclipse.purevariants.sparxsea
ure-systems GmbH	pure::variants Connector for IBM Rational DOORS	5.0.0.685	com.ps.consul.eclipse.purevariants.doors
ure-systems GmbH	pure::variants Connector for Reporting with BIRT	5.0.0.685	com.ps.consul.eclipse.purevariants.birt
oure-systems GmbH	pure::variants SDK	5.0.0.685	com.ps.consul.eclipse.purevariants.sdk
• • pure::variants -	Enterprise ure-systems GmbH. All rights reserved.		
• • pure::variants -	ure-systems GmbH. All rights reserved.		

Figure 31. Installed pure::variants features

The feature ids are listed in the *Feature Id* column of the upcoming dialog. All feature ids have to be extended by ".feature.group" and are concatenated with ",". The feature id list for the example shown in the previous figure would be:

```
com.ps.consul.eclipse.purevariants.sparxsea.feature.group,com.ps.consul.eclipse.purevariants.
birt.feature.group,com.ps.consul.eclipse.purevariants.de.enterprise.feature.group,com.ps.
consul.eclipse.purevariants.doors.feature.group,com.ps.consul.eclipse.purevariants.sdk.
feature.group
```

The resulting list of feature ids is used in the following command.

```
"<Eclipse Installation Directory>\eclipsec.exe" -nosplash --launcher.suppressErrors -
application
org.eclipse.equinox.p2.director -uninstallIU "<list of feature ids>" -data "ws" -vmargs
-Dequinox.ds.block_timeout=120000
-Dorg.eclipse.ecf.provider.filetransfer.retrieve.readTimeout=120000
-Declipse.p2.mirrors=false -Xms100m -Xmx2048m -Xmnx64m -Xgcpolicy:gencon
-XX:MaxPermSize=512M -Xcompressedrefs
```

Cleanup Eclipse after uninstallation

pure::variants stores some settings, license and log files at two locations in the file system. On Windows the first one is C:\Users\<user name>\AppData\Roaming\pure-variants-6, and the second C:\ProgramData\pure-variants-6. On Linux based systems the pure-variants-6 folders are located in the users home directory and at */usr/share*. These folders should be removed after pure::variants has been completely removed from the computer.

To clean up the Eclipse instance, run the following command.

```
"<Eclipse Installation Directory>\eclipsec.exe" -nosplash --launcher.suppressErrors -
application
org.eclipse.equinox.p2.garbagecollector.application -data "ws" -vmargs
-Dequinox.ds.block_timeout=120000
-Dorg.eclipse.ecf.provider.filetransfer.retrieve.readTimeout=120000
-Declipse.p2.mirrors=false -Xms100m -Xmx2048m -Xmnx64m -Xgcpolicy:gencon
-XX:MaxPermSize=512M -Xcompressedrefs
```

3.4. Basic Setup of the pure::variants Desktop Client

3.4.1. Setup a pure::variants Desktop Client License

A valid license file is required in order to use pure::variants. If pure::variants is started and no license is present, then the user is prompted to supply a license. Select the **Yes** button and use the file dialog to specify the license file delivered with pure::variants. The specified license will be stored in the user's application data directory. If you are using multiple workspaces then the license file has to be installed only once. The pure::variants integrations also use the installed license and thus no further setup step is needed here.

To replace an existing pure::variants license, start pure::variants and open the **Preferences** (menu Window -> Preferences). Navigate to **Variant Management -> pure::variants License** and use the **Install License** button to select the new license.

Terminal Number: Validation Type: float - License Server Variant Management Company: pure-systems GmbH Connector Preferences Name: Employee Image Export EMail: employee@pure-systems.com Known Servers License Server: The server: Metrics Update Site: The server:	
SWTBot Preferences License Data SWTBot Preferences Product: preduct: pure::variants Terminal Number: Validation Type: Variant Management Company: Connector Preferences Name: Image Export Employee Image Export License Server: Metrics Update Site:	
Model Handling Model Validation V pure::variants License License Server Relation Indexer SDK Preferences Visualization Visualization Visualization Visualization Visualization Visualization	Install License

Figure 32. pure::variants License Preferences

The pure::variants client license can also be defined using the *PVLICENSE* environment variable. This variable has to define the fullpath to a license file. If this variable is defined the given license file is used and the user does not need to define the license for pure::variants client instances.

The next step is necessary only if a floating license with a pure::variants license server is used. The license server URL can be provided with the floating license file, or it has to be set by the user.

To set the license server URL, open the sub page Variant Management -> pure::variants License -> License Server and enter the URL of the license server into the Floating License Server text field, click button Test Connection to check that the connection is successful.

ype filter text	License Server		🗢 🖛 🖒
Plug-in Development Report Design Run/Debug	Floating License Server:	Test Conne	ction
SWTBot Preferences Team	Offline License		
Terminal			
Test Connection			×
	nse Server at lange and shed	/	se
Connection to Lice successfully establi		ОК	se
successfully establi		ОК	;e
successfully establi		OK	se
 successfully establic successfully establic pure::variants License License Server 		OK	;e
 successfully establic pure::variants License License Server SDK Preferences 		OK	;e
 successfully establic model valuation pure::variants License License Server 		OK	;e

Figure 33. pure::variants License Server Preferences

Click button Reserve Offline License to choose how long the license shall be reserved.

Figure 34. Reserving Offline License

Reserve Offline License							×
Reserve Offline License						1	••
Reserve a new offline license until Mar 1, 2023.							• •
	4		м	arch 20	023		•
	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Current Offline License	26	27	28	1	2	3	4
Current Online License	5	6	7	8	9	10	11
	12		14			17	18
No Offline License reserved.	19		21			24	25
		27					1
	2	3	4	5	6	7	8
?			OK			Cano	el

3.4.2. Update a pure::variants Desktop Client License

If pure::variants is not explicitly asking for a new license, the update can be forced by starting pure::variants and opening menu **Window -> Preferences**. Select **Variant Management -> pure::variants License** and install the license using the provided **Install** button.

Preferences							×
type filter text		pure::variants	License		¢	• =>	• •
 > Run/Debug SW/TBot Preferences > Team Terminal Validation > Variant Management Connector Preferences Image Export Known Servers Metrics Model Handling Model Validation > pure::variants License License Server Relation Indexer SDK Preferences > Visualization > WindowTester > XML 	<	Number: Type: Company: Name:			Ir	nstall Li	cense
? 🖬 🗹	~			Apply and Close		Cancel	

Figure 35. pure::variants License Preferences

3.4.3. Add pure::variants Desktop Client License using environment variable or Java property

For central or automatic deployed pure::variants Desktop Clients it may be necessary to also automatically deploy or update the pure::variants Desktop Client license. For this use case the variable **PVLICENSE** can be used. This variable can either be introduced as an environment variable or just added as a Java property to the command line starting pure::variants. If this variable is set, the given license is used instead of a possibly previously installed license.

Example for the command line parameter: -DPVLICENSE=C:/absolute/path/to/the/license/file.lic

3.5. Trouble Shooting

3.5.1. pure::variants is low on memory

If pure::variants is low on memory it can result in out of memory errors or causing pure::variants to run very slow since Java is trying to free up memory constantly by running the garbage collector.

To solve that problem pure::variants needs to be enabled to use more memory. This can be done by editing the eclipse.ini file, which is located in <pure::variants installation path>\eclipse\eclipse.ini.

Add the following three lines to the end of the ini file, if not existing yet. The first line tells Eclipse that there are Java Virtual Machine options following. Xms defines the minimal amount of memory Java is reserving. Xmx defines the maximum amount of memory Java is allowed to use. The default value is 1024 MB. We recommend to set the value to 6144 MB.

-vmargs -Xms40m -Xmx6144m

Note

If Eclipse does not start after the eclipse.ini was changed, the maximum amount of memory defined is not valid. There are multiple reasons for this, e.g. Java could not reserve enough memory. Try to decrease the defined maximum memory.