



INSTALLATION GUIDE | PUBLIC

ABAP Platform 1809 (AS ABAP 7.53) and SAP Cloud Platform ABAP Environment 1811

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Installing ABAP Development Tools

Client Version 2.102

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1 About This Installation Guide

Scope of Documentation

This documentation describes how to install the Eclipse-based front-end components of ABAP Development Tools (ADT) on a local drive. It also includes information on how to connect ABAP Development Tools to an ABAP back-end system.

Target Audience

- ABAP system administrators and developers who want to install, build, or provide ADT installation packages for ABAP developers who work with an Eclipse-based IDE
- ABAP system administrators who configure the ABAP server for each back-end system in order to connect them with ADT

Validity of Documentation

This documentation belongs to the ABAP Development Tools **client version 2.102** and refers to the range of functions that have been shipped as part of the standard delivery for:

- SAP Cloud Platform ABAP Environment
- SAP NetWeaver 7.3 EHP1 **SP04 and higher**
- SAP NetWeaver 7.4 **SP02 and higher**
- SAP NetWeaver 7.5 **SP00 and higher**
- SAP NetWeaver AS for ABAP 7.51 innovation package **SP00 and higher**
- SAP NetWeaver AS for ABAP 7.52 **SP00 and higher**
- Application Server ABAP 7.53 **SP00 and higher**

Prerequisite

To enable development using the ADT client in releases \geq SAP NetWeaver 7.3 EHP1 SP04 and \geq SAP products based on ABAP platform 1809 (AS ABAP 7.53) the ABAP system administrator needs to configure each back-end first.

For more information, see the back-end configuration guide [Configuring the ABAP Back-end for ABAP Development Tools](#)

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Apache Jakarta Log4j, 1.2.15	Apache License v 2.0

List of additional features required for running ABAP Development Tools

Feature	ID
EMF Edit Data Binding	org.eclipse.emf.databinding.edit
EMF Model Query	org.eclipse.emf.query
EMF Validation Framework	org.eclipse.emf.validation
Graphiti (Incubation)	org.eclipse.graphiti.feature
Mylyn Commons	org.eclipse.mylyn.commons
Mylyn Task-Focused Interface	org.eclipse.mylyn.context_feature
Web Services Tools	org.eclipse.wst.ws_ui.feature
EMF Model Transaction	org.eclipse.emf.transaction.feature
Zest	org.eclipse.zest

ABAP Development Tools (ADT) requires manual installation of the above mentioned additional Eclipse features before the ABAP Development Tools package installation due to the following reasons:

1. **Customer Requirement:** Many developers at customer and partner organizations do not have internet access or an official SAP Support Portal (S-) User. Thus, SAP decided to provide an installation scenario for a person who usually has an S-User and internet access: that is, an administrator who is responsible for the development landscape in the customer or partner organization.

2. **One Central Reference Installation:** The additional manual steps are only required for one administrator who assembles a complete reference installation. SAP is responsible and will provide support and maintenance for the SAP features in this central reference installation.
3. **Several Decentralized Customer Installations:** The administrator can copy and extend the reference installation with more features and takes over the responsibility for this customer specific installation. The administrator will then provide this customer specific installation to many developers (without S-User or internet access). Thus the majority of developers in the SAP customer and partner community will not have to perform the mentioned manual installation steps of some additional Eclipse features.
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2.3 Documentation in the SAP Help Portal

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3 Support and Maintenance Strategy

ABAP Development Tools (ADT) include a server and a client part. For both the Support and Maintenance Strategy is different from **SAP NetWeaver 7.3 EHP1**. As SAP GUI the ABAP Development Tools follow the SAP Maintenance Strategy Rule 11: "Downward-compatible software component versions can be replaced by a higher version in the course of the life of the application release they are built into, without adaptations or changes to other software component versions within the release. Therefore downward-compatible software component versions are usually not maintained for the entire mainstream and extended maintenance period of the application release they are built into. Instead they have to be replaced by a higher version."

ABAP Development Tools is a Downward-Compatible Software Component Version. This means that starting with **SAP NetWeaver 7.3 EHP1** the most current client version of the ABAP Development Tools will always be compatible with all future SAP NetWeaver 7.3 EHP1, ABAP platform 1809 (AS ABAP 7.53), as well as SAP Cloud Platform ABAP Environment shipments. But this requires the users to regularly update to the current client version of the ABAP Development Tools. Because the client has many dependencies this may require additional updates on the PC which will be listed in the following client section.

i Note

For more information, see <https://launchpad.support.sap.com/#/notes/> ABAP Development Tools support strategy

3.1 General Terms

ABAP Development Tools (ADT) depends on Eclipse and SAP GUI. It will not be shipped as a bundle with Eclipse and SAP GUI but separately as an Eclipse p2 repository. Both Eclipse and SAP GUI are supported for different individual platforms. The support of individual platforms also depends on the support of the operating systems by the manufacturers. SAP cannot provide support for a platform or for an operating system that is no longer supported by its vendor or manufacturer. By the same token, SAP cannot provide support for an Eclipse version or any other Open Source software version that is no longer supported by the Eclipse Foundation or the Open Source community.

i Note

SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment.

3.2 Support Platform Matrix

ABAP Development Tools is only supported for a subset of the individual platform and Operating System versions for which Eclipse and SAP GUI are supported. The various individual operating system versions, Java

runtime versions, Eclipse versions, SAP GUI versions, Microsoft VC runtime versions and Browser versions for which ABAP Development Tools is supported are listed in the ABAP Development Tools Support Platform Matrix. Running ABAP Development Tools on operating system versions, Java runtime versions, Eclipse versions, SAP GUI versions, Microsoft VC runtime versions and Browser versions that are not listed in the ABAP Development Tools is not supported by SAP.

i Note

SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment.

3.3 ABAP Development Tools Support Platform Matrix

Software	Version
Operating System	<ul style="list-style-type: none"> Windows 7 Windows 8 Windows 10 Apple Mac OS X 10.11 or higher
Java Runtime	<ul style="list-style-type: none"> Windows OS: JRE 1.8 or higher, 32-Bit or 64-Bit Mac: JRE 1.8 or higher, 64-Bit
MS VC Runtime	10, 32-Bit or 64-Bit (Windows OS)
SAP GUI for Windows ¹⁾	7.50 (Windows OS) or higher
SAP GUI for Java ¹⁾	7.50 (Mac)
Browser	Internet Explorer 7.0 or higher / Firefox 4.0 or higher
Eclipse Platform	Eclipse 4.6 - 4.7

i Note

¹⁾ SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment.

3.4 Special Terms for Operating Systems

SAP recommends that you always use a current Support Package for the relevant operating system listed in the ABAP Development Tools. An operating system that is no longer supported by its manufacturer should no longer be used in conjunction with ABAP Development Tools. If an issue occurs only on an unsupported operating system SAP will not analyze nor solve the issue, but instead reply by recommending an operating system upgrade. Additionally SAP does not test ABAP Development Tools on such operating systems anymore.

3.5 Special Terms for Java Runtime Versions

SAP recommends that you always use a current Java runtime version listed in the ABAP Development Tools. A Java runtime version that is no longer supported by the Java runtime version manufacturer should no longer be used in conjunction with ABAP Development Tools. If an issue occurs only on an unsupported Java runtime version SAP will not analyze or solve the issue, but instead reply by recommending a Java runtime version upgrade. Additionally SAP does not test ABAP Development Tools on such Java runtime versions anymore.

3.6 Special Terms for Eclipse Versions

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3.7 Special Terms for SAP GUI Versions

SAP recommends that you always use a current SAP GUI version listed in the ABAP Development Tools. A SAP GUI version that is no longer supported by SAP should no longer be used in conjunction with ABAP Development Tools. If an issue occurs only on an unsupported SAP GUI version SAP will not analyze or solve the issue, but instead reply by recommending a SAP GUI version upgrade. Additionally SAP does not test ABAP Development Tools on such SAP GUI versions anymore.

i Note

SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment.

3.8 Special Terms for Microsoft VC Runtime Versions

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3.9 Special Terms for Browser Versions

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3.10 Language Support

SAP does not explicitly release different language versions of ABAP Development Tools other than English.

3.11 SAP Shipment Channel and License Agreement

The use of ABAP Development Tools (ADT) is subject to the terms and conditions of your license agreement with SAP which is directly related to the SAP shipment channel where ABAP Development Tools has been initially been downloaded and installed from. SAP does not support to update ABAP Development Tools with software from a different SAP shipment channel than the initial installation of ABAP Development Tools has been done.

❖ Example

An update of an older ABAP Development Tools installation which has originally been downloaded and installed from the SAP Support Portal with a newer ABAP Development Tools version which is provided on the SAP Developer Center is not recommended and not supported by SAP.

4 Introduction

ABAP Development Tools (ADT) is the ABAP IDE (Integrated Development Environment) built on top of the Eclipse platform. Its main objective is to support developers in today's increasingly complex development environments by offering state-of-the-art ABAP development tools. These tools include strong and proven ABAP lifecycle management on the open Eclipse platform with powerful UI (user interface) capabilities.

5 Preparation

The preparation prior to the installation of front-end components includes all steps that you must perform in order to work smoothly with ABAP Development Tools on the ABAP back-end system. It includes the completion of the subsequent activities for each back-end system you want to work with and the establishing of the Secure Network Communication (SNC).

5.1 Preparing the ABAP Back-End System

In the context of on-premise scenarios, each back-end system you want to work with ADT, the ABAP system administrator needs to configure the corresponding ABAP systems first.

For this, the [Configuration Guide for Configuring the ABAP Back-end for ABAP Development Tools](#) is provided where you can find further information.

5.2 Establishing Secure Network Communication

Prerequisites

For security reasons, however, you must ensure that the **Secure Network Communication (SNC)** is implemented for the corresponding system and enabled for the selected system connection.

Context

In ABAP Development Tools, developers always work with ABAP projects to access repository objects from back-end systems. An ABAP project represents a real system connection on the front-end client and, therefore, it requires an authorized user to access the back-end system. With the standard authentication method, the user enters his or her user ID and password at the front-end client to log on to the back-end system.

To enable SNC for an ABAP system ...

Procedure

1. Add the relevant ABAP system to the **SAP Logon Pad** – if not already done.

2. In the SAP Logon Pad, open the **Properties** page for the ABAP system.
3. Enable the **Secure Network Communication** for the selected system – if not already done.


5.2.1 Recommendation

Context

For the sake of convenience, and again for security reasons, use also the single sign-on (SSO) option for system authentication (if it is available in your SAP NetWeaver system landscape). Compared with SNC, SSO meets the security requirements for working with ABAP projects even more. Using SSO, the user does not need to enter a user ID and password, but can access the specific system directly after the system has checked the validity of the logon ticket.

To enable SSO for an ABAP system...

Procedure

1. Install the SAP NetWeaver **Single Sign-On 1.0 SP03 or higher** (either "Secure LoginClient" or "Enterprise Single Sign-On") for the corresponding platform (either for 32- or 64-Bit).
2. Configure the Secure Network Communication between ABAP Development Tools client and the ABAP back-end system. For more information, see [SAP Single Sign-On Community](#) 

6 Installation

The subsequent installation procedure comprises all front-end components (SAP and Eclipse installation packages) that are required to run the ABAP IDE on your local drive.

6.1 Installing ABAP Development Tools

6.1.1 Prerequisites

Operating System

The following operating system (OS) is installed on your local PC:


- **Windows** 7, 8, or 10
- **Apple Mac** OS X 10.11 or higher

Java Runtime Environment (JRE)

Java Runtime Environment (JRE) 1.8 is installed on your local drive.

In accordance to the Eclipse version where you want to install ABAP Development Tools, use the following JRE version:

- **32-Bit** for the 32-bit Eclipse version
- **64-Bit** for the 64-bit Eclipse version

If this is not the case, install, for example, the latest version of the SAP Java Virtual Machine from the **SAP Software Download Center** on the [SAP Support Portal](#) )

i Note

The Java Development Kit (JDK) is also convenient because it includes JRE.

Eclipse

You have already installed a suitable Eclipse installation package Eclipse 4.7 Release (Oxygen) or 4.8 Release (Photon).

i Note

Technically any Eclipse package with feature `org.eclipse.platform` of the corresponding release is installed, as a minimum, on your local drive.

SAP Software and SAP Support Portal Access

- For Windows OS, SAP GUI for Windows 7.50¹⁾ or higher, is installed on your local drive
For Apple Mac or SAP GUI for Java 7.50¹⁾, is installed on your local drive

i Note

If this is not the case, install the SAP GUI¹⁾ first from the SAP Software Download Center on the SAP Support Portal.

You will need this SAP GUI¹⁾ for integration of GUI-based tools in the IDE for ABAP development.

- You have an **S User** that enables to download the ABAP Development Tools package from the SAP Support Portal.

Required Eclipse Features

To benefit from all ADT features, you need to install the following additional Eclipse features in accordance to the relevant installation:

Feature Name	Feature ID	SAP HANA Studio	Eclipse IDE for Java Developers
EMF Edit Data Binding	org.eclipse.emf.databinding.edit	-	X
EMF Model Query	org.eclipse.emf.query	X	X
EMF Model Transaction Workbench Integration	org.eclipse.emf.workspace	-	X
EMF Validation Framework	org.eclipse.emf.validation	-	X
Graphiti (Incubation)	org.eclipse.graphiti.feature	X	X
Mylyn Commons	org.eclipse.mylyn.commons	X	-
Mylyn Task-Focused Interface	org.eclipse.mylyn.context-feature	X	-
Mylyn Task List extensions for the Eclipse IDE	org.eclipse.mylyn.tasks.ide	X	-
Web Services Tools	org.eclipse.wst.ws_ui.feature	X	X
Zest	org.eclipse.zest	-	X

i Note

If required Eclipse features are not displayed, it might be that they are already installed.

- To display all available features, deselect the *Hide items that are already installed* checkbox.
- To check what is already installed, choose the *What is already installed?* link beside the checkbox from above.

Internet Browser

On your local drive, one of the following browsers is installed:

- **Internet Explorer** 7.0 or higher
- **Firefox** 4.0 or higher

Microsoft Components

Microsoft Runtime DLLs VS2010 (for Windows OS) is installed on your local drive. You need this component for communication with the back-end system.

i Note

- If you are using SAP GUI for Windows¹⁾, the 32 bit version of this runtime component will already be installed on your local machine anyway.
- If you are using a 64 bit version of Eclipse, you need to install this runtime component separately from the Microsoft installation page.
- If you start ADT before you have installed the DLLs, an error dialog might be opened stating that the ABAP communication layer is configured incorrectly. In this case, you need to restart Eclipse once with the "-clean" option. Afterwards, remove the "-clean" option again. For further information, see here [The Eclipse runtime options](#) ➔

i Note

¹⁾ SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment.

6.1.2 Context

The ABAP Development Tools are installed from the SAP Software Download Center on the SAP Support Portal. From here, you download the archive file with the corresponding IDE components onto your local drive.

6.1.2.1 Use Cases

The subsequent installation of SAP components requires that you already have a suitable Eclipse installation in operation on your computer.

Which Eclipse installation is suitable depends, among other things, on use cases for which you implement the Eclipse platform or Eclipse IDE. Some examples of such use cases could be as follows:

- **ABAP development only:** For this use case, you only need the minimum Eclipse installation package – for example, the Platform Runtime Binary – from the Eclipse download page.

- **Side-by-side Java and ABAP development:** For this use case, you usually already have an Eclipse edition running as your development environment. You can add ABAP Development Tools to your existing Eclipse installation.
- **ABAP development on SAP HANA:** For this use case, you already have SAP HANA Studio 2 rev. 23 (2.3.31) or higher installed on your local drive.

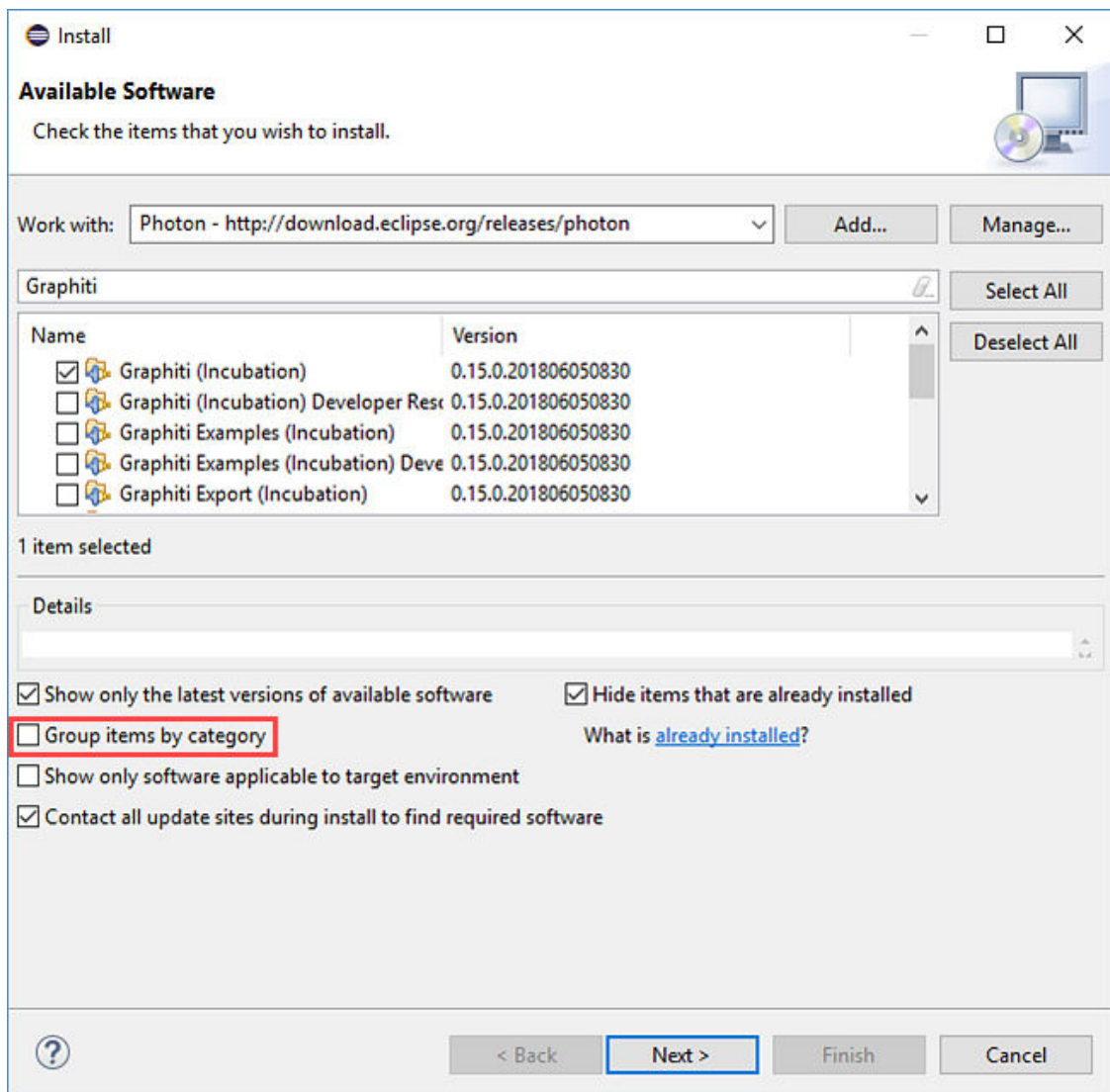
i Note

This use case is not relevant in the context SAP Cloud Platform ABAP Environment.

6.1.3 Installation Steps

Procedure

1. Downloading the ABAP Development Tools package from the ([SAP Support Portal](#)):
 - a. Launch the [SAP Software Download Center](#) on the SAP Support Portal.
 - b. In the **Search Term** input field, enter **ABAP in Eclipse 2.102** for the name of the installation package.
 - c. In the *Search Results* view, choose the **SAP ABAP in Eclipse 2.102** package.
 - d. Add the package to the download basket.
 - e. Download the archive zip file to the local directory of your choice.
2. Installing additional Eclipse features that are required for running ABAP Development Tools:
 - a. Launch the Eclipse platform or SAP HANA Studio (see [Prerequisites \[page 21\]](#) above) that is installed on your local drive.
 - b. Choose the menu **Help > Install New Software...** to start the installation wizard.
 - c. In the *Work with* field of the wizard, specify the update site from which you downloaded the Eclipse installation package.
 - d. For convenient selection, deselect the *Group items by category* checkbox on the wizard page.



Installation package for Eclipse 4.8 (Photon) that is installed on the local machine

- e. To install the relevant Eclipse features, choose the relevant checkboxes – depending whether you are going to install ABAP Development Tools on top of SAP HANA Studio or not.

i Note

For more information about the required Eclipse features, see [Prerequisites \[page 21\]](#)

Ensure that the filter box is empty.

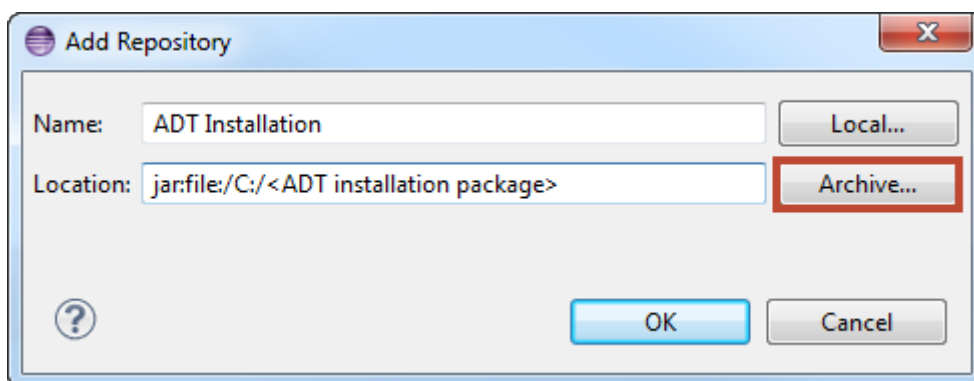
If you cannot find a required Eclipse feature, it might be already installed. To check this, deselect the *Hide items that are already installed* checkbox.

- f. Choose *Next*.
- g. On the next wizard page, review the list of features to be installed and choose *Next*.
- h. After you have accepted the terms of license agreement, initiate the installation of the selected features with *Finish*.
- i. To apply the changes, restart the Eclipse workbench using the corresponding button in the information dialog that appears.

3. Installing the ABAP Development Tools package:
 - a. Launch the installation wizard again through the menu **Help > Install New Software...**
 - b. In the *Work with* field of the wizard, now specify the target directory where you downloaded the package using ABAP Development Tools.

→ Tip

To add the new installation directory, click the **Add... > Archive...** button to specify the location and enter a name for your local software site. As highlighted in the screenshot below make sure the location path starts with "jar:file:".



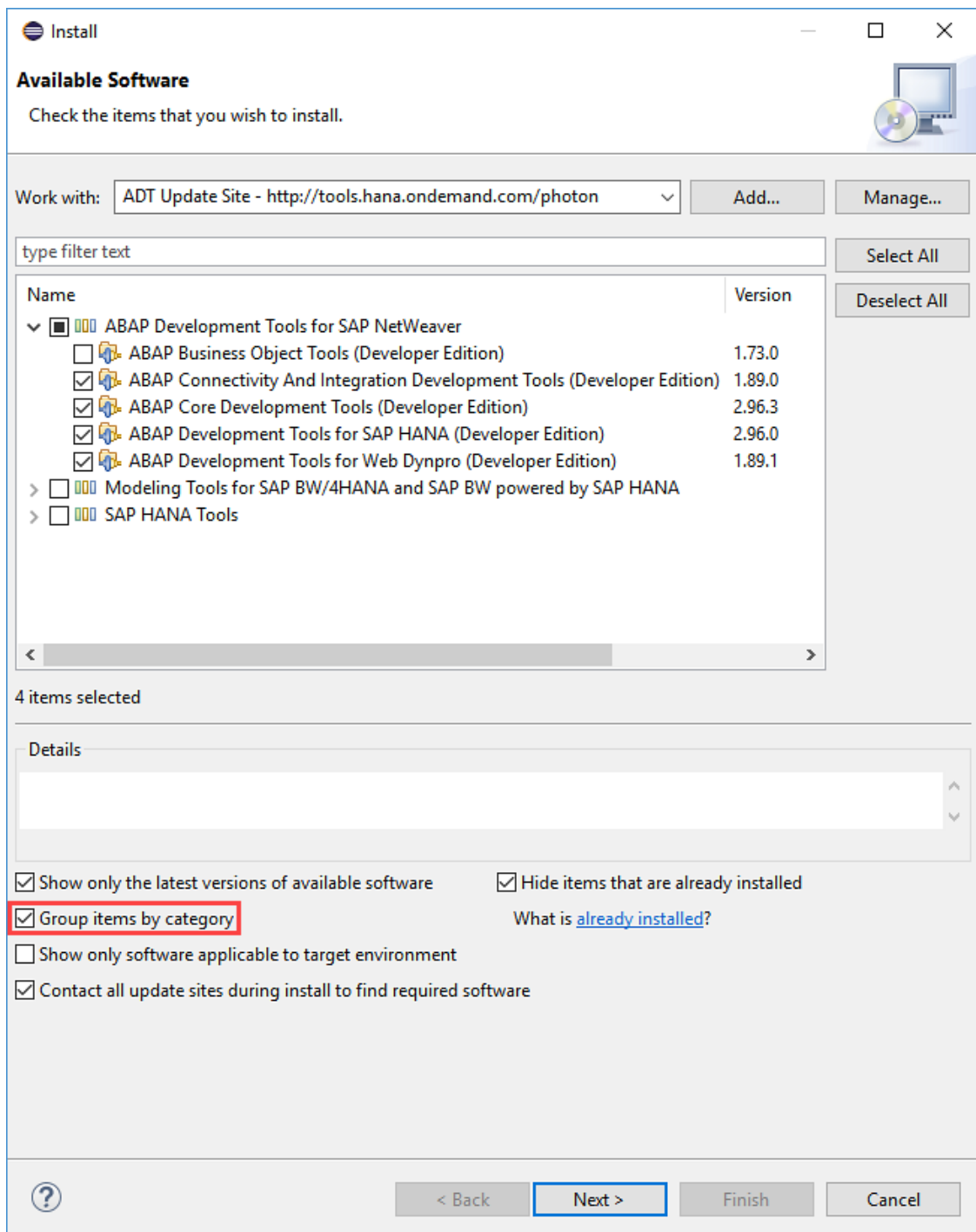
A software site that is located in the local file directory is specified by: `jar:file:/<drive:>/<directory_with_zipped_content>`

- c. For convenient selection, check the *Group items by category* field on the *Wizard* page.
- d. Select all **ABAP Development Tools** items and choose *Next*.

i Note

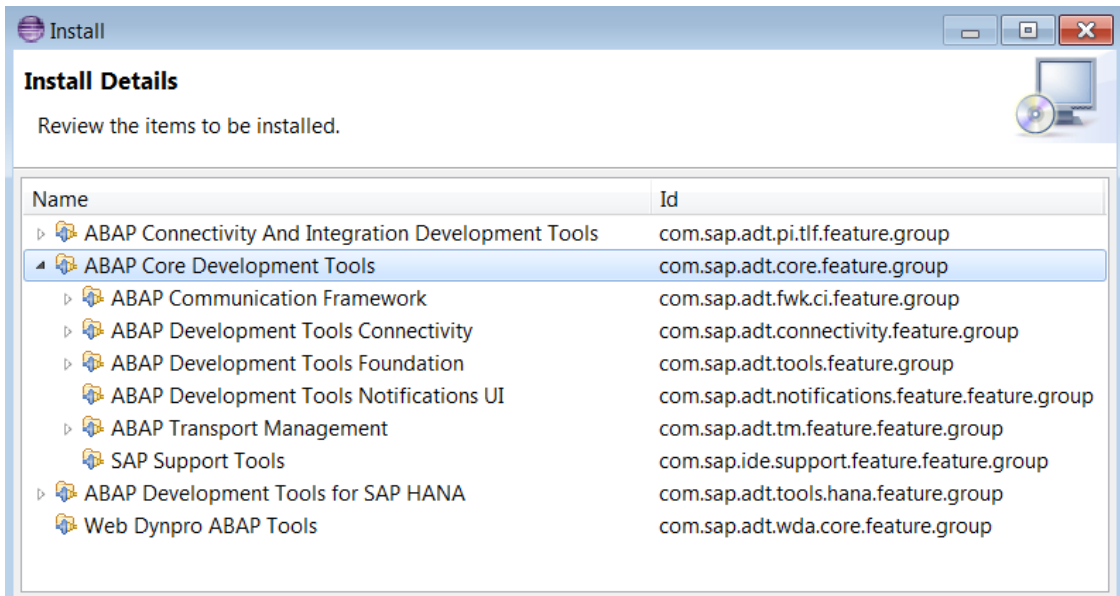
The *ABAP Core Development Tools* are the mandatory installation whereas installation of other tools is optional. Select optional tools based on your requirements.

In the context of SAP Cloud Platform ABAP Environment, only the *ABAP Core Development Tools* is required.



The target directory where you extracted the zip file in step 1 d) serves as the local software site for installation of ABAP Development Tools.

- e. On the next page, review the feature groups to be installed and choose *Next* again.

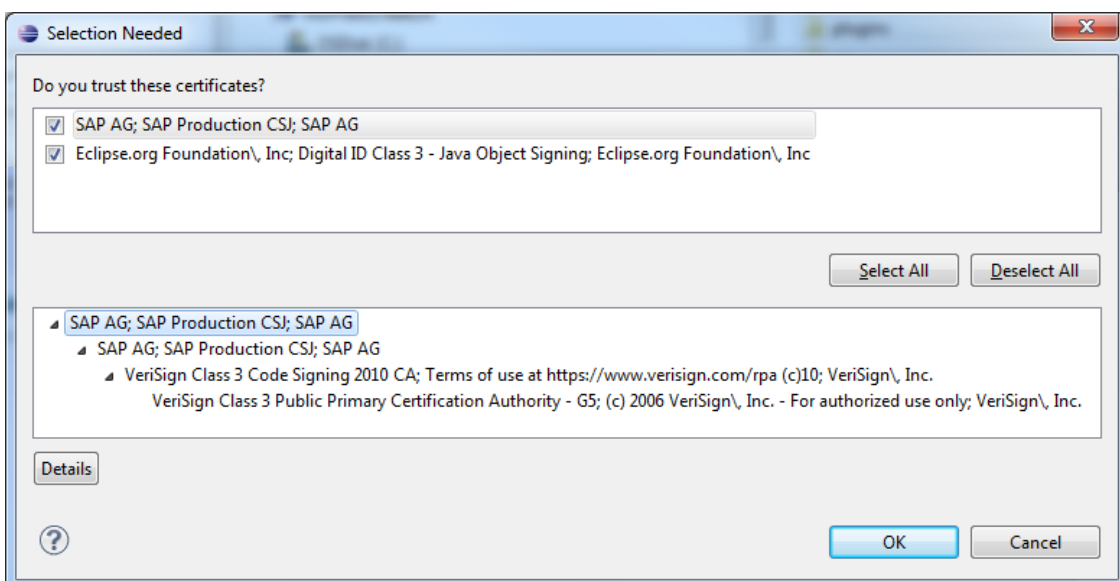


List of SAP feature groups to be installed

Note

In case one or more of the required Eclipse features are missing, the [Install Remediation Page](#) is displayed with a warning that the installation cannot be completed. In this case, check and ensure that you have installed all required Eclipse features.

- f. While content is being fetched for installation you will receive a warning that unsigned software content is installed, click *OK* to continue with the wizard.
- g. After you have accepted the terms of the license agreement, initiate the installation of selected SAP feature groups with *Finish*.
- h. In the *Certificates* dialog box, confirm the certificates from Eclipse.org and SAP with *OK*.



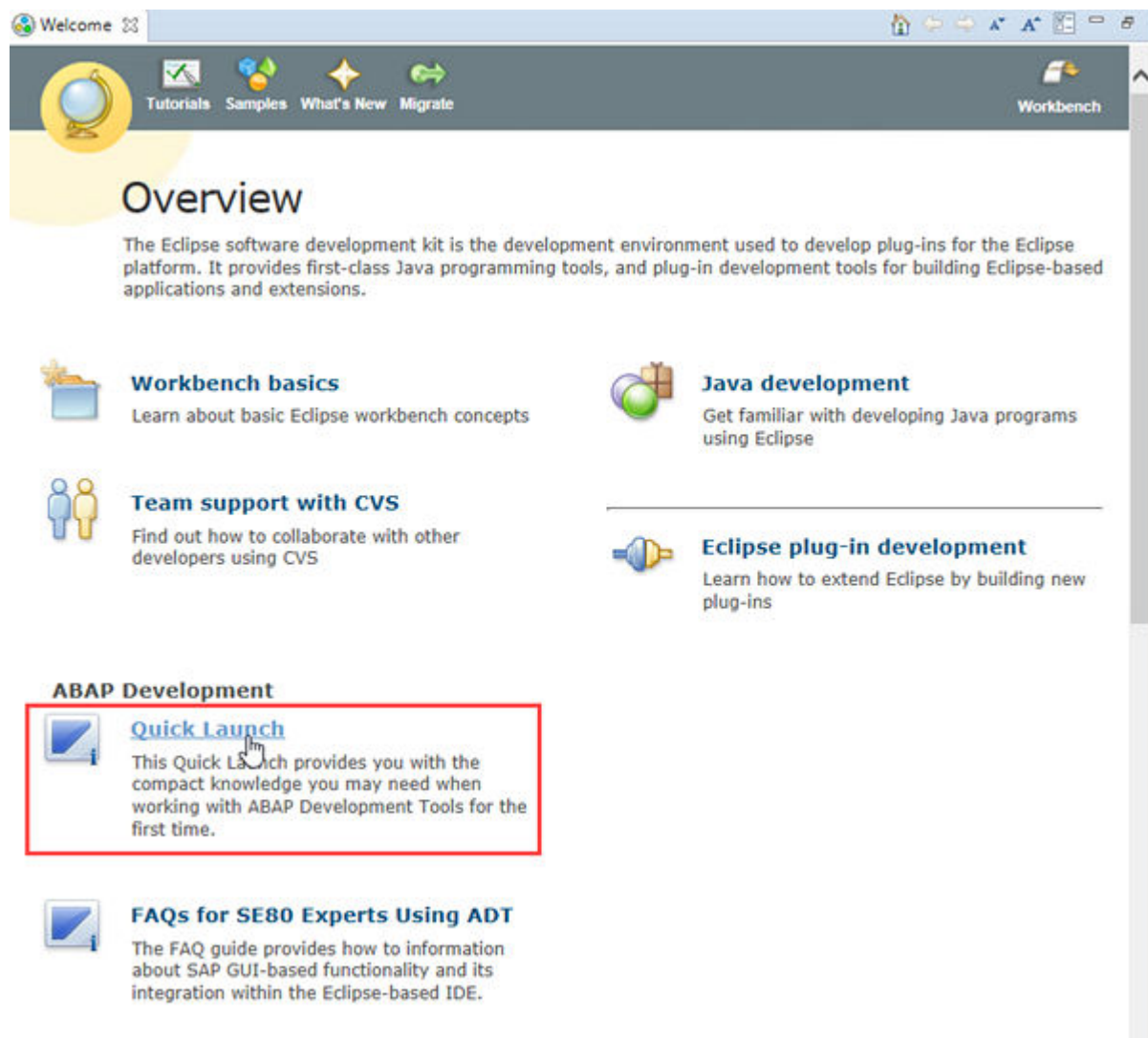
A certification dialog will interrupt the installation process

- i. To apply the changes of the installation procedure, restart the Eclipse IDE.

6.1.4 Result

The successful installation procedure provides you (as a system administrator at SAP customer side) with a ready-to-use ABAP IDE. It contributes the ABAP perspective to the Eclipse workbench.

The *Welcome* page ([Help](#) > [Welcome](#)) provides central access to knowledge material and provides links to related **ABAP Development User Guide** topics.



The Quick Launch on the Overview tab provides you with compact knowledge that you may need when working with the new ABAP IDE for the first time.

6.2 Updating ABAP Development Tools

Context

If you want to update an existing version of ABAP Development Tools, open the [SAP Software Download Center](#) on the SAP Support Portal. Here you will always find the most current version as an archive file with the corresponding IDE components.

i Note

If you want to add new functionality like “ABAP Connectivity and Integration Development Tools” or “ABAP Development Tools for Web Dynpro”, you have to install these features by processing the installation steps from chapter [Installing ABAP Development Tools \[page 21\]](#).

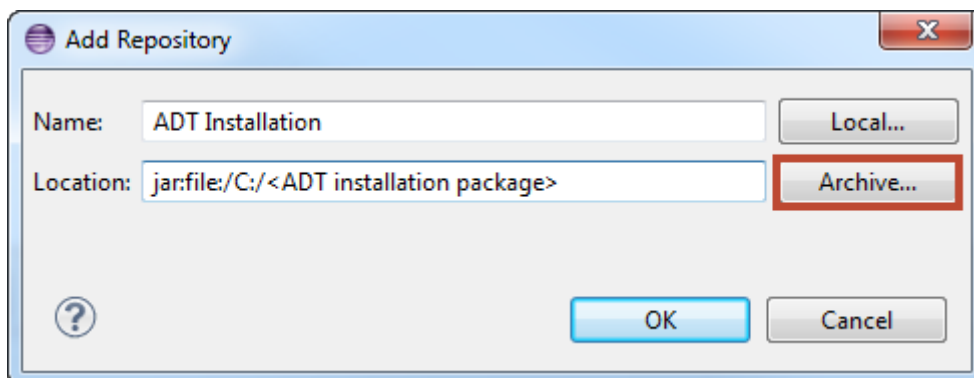
Procedure

1. Download the new version of the ABAP Development Tools package from the SAP Support Portal to your local installation directory.

i Note

In case of the downloaded archive has the same name as the former archive, you can add the major and minor version to the name of the downloaded archive. So that you do not need to replace the former archive. This enables you to revert the update if it is required.

2. Configure the new archive as an update site.
 - a. In the menu bar, select **Windows > Preferences**.
 - b. In the Preferences window, select the **Install/Update > Available Software Sites**.
 - c. To add the new archive, select the **Add... > Archive...** button to specify the location and enter a name for your local software site.



A software site that is located in the local file directory is specified by: `jar:file:/<drive:>/<directory_with_zipped_content>`

3. Trigger the update by selecting the menu entry **Help > Check for Updates**.

6.3 Providing Additional Information for Analyzing an Error

The Trace Configuration enables you to provide SAP additional information in case of errors in locations such as Debugger, Coverage, ABAP source code, etc.

Context

You set the Trace Configuration in the *Preferences* depending on the error location, proceed as follows:

Procedure

1. In the Eclipse workbench, choose the menu **Window > Preferences**.
2. In the *Preferences* window, select **ABAP Development > Trace Configuration**.
3. In the *Level* list box, choose *Info*.
4. In the *Location* area, open the ABAP Development Tools tree and choose the corresponding entry, for example, **Profiler > UI**.
5. Confirm with *OK*.

Results

Now, the Eclipse-based IDE traces additional information which you can collect and provide as a ZIP file to the SAP support.

i Note

Only enable the Tracing Configuration in case of a specific error. Because, tracing is intense in memory consumption, deselect all locations after creating the support information file. Otherwise your client might work slower or after the next restart of the client, a corresponding dialog is opened.

Related Information

[Getting Support Information \[page 39\]](#)

7 Post-Installation

7.1 [Optional-] Configuring SAP GUI for Java

Context

If you are using SAP GUI for Java, ensure that the qualified paths are defined for the configuration files in the preferences of SAP GUI for Java.

In addition, you can use the following VM parameters in the `eclipse.ini` file to configure the installation path of SAP GUI for Java :

VM Parameter	Default Value	Description
<code>com.sap.adt.sapgui.javaGuiInstallationPath=<path></code>	null	Installation path of the SAP GUI for Java in order to specify the location in case if it is not automatically detected

i Note

SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment. Therefore, this configuration is only supported in on-premise scenarios.

Procedure

In the Eclipse installation folder, open the `eclipse.ini` file.

At the end of the existing command lines, add the support-relevant VM parameters starting with “-D”.

i Note

Add the specific value after the equal mark at the end of the VM parameter.

Example

The following example is taken from a Mac OS installation:

```
-Dcom.sap.adt.sapgui.javaGuiInstallationPath=/Applications/SAP Clients/SAPGUI  
7.50/
```


7.2 [Optional-] Configuring Support-Relevant VM Parameters

Context


In case of a support issue, you can provide additional information to SAP support.

For this, you have to define the following VM parameters in the `eclipse.ini` file :

VM Parameter	Default Value	Description
<code>com.sap.adt.sapgui.winguiTraceLevel=<n></code>	0	<p>Setting in order to switch the GUI trace (DPTRACE) to the given level if Java GUI is not installed in the default folder.</p> <p>The following settings are available in order to activate the GUI trace:</p> <ul style="list-style-type: none">• Level 1: Errors: Only the errors are documented in the debug trace file.• Level 2: See level 1 plus warnings are documented in the debug trace file.• Level 3: A diagnose is started that writes all information in the debug trace file when an embedded trace file is started.
<code>sapguiconfig.trace.level=<value></code>	0	<p>Trace level that is used while parsing the SAP UI landscape configuration file using the <code>SAPGUIConfig</code> library.</p> <p>The following values can be set to define the data to be traced while parsing:</p> <ul style="list-style-type: none">• 0: Tracing is off• 1: URLs that are loaded while instantiation• 2: plus details how the SAP UI landscape configuration data is loaded• 3: plus the content of the SAP UI landscape configuration data is dumped• 4: plus all details about internal parsing steps, for example, resolving of the message servers, and so on

i Note

The higher the value the more data is traced.

For further information, see the Frontend Installation Guide (Windows) on [SAP GUI Community](#) 

VM Parameter	Default Value	Description
<code>sapguiconfig.trace.file=<full_path></code>	<code><workspace> \.metadata\.plugins \com.sap.adt.sapgui .config \sapguiconfig.log</code> as the default location of the trace file	Full path of the trace file for the SAPGUIConfig library
<code>com.sap.adt.sapgui.ui.win32.pipeConnectionTimeout=<time_ms></code>	<code>30.000</code>	Timeout in ms in order to affect the SAP GUI startup process (<code>sapguiserver.exe</code>)
<code>com.sap.adt.destinations.model.landscape.parser.official=<value></code>	<code>true</code>	Setting to define which parser is used for parsing the landscape configuration file for SAP GUI integration. If true, the SAP GUI parser is used. Otherwise, the ADT proprietary parser is used.

i Note

SAP GUI is not relevant in the context SAP Cloud Platform ABAP Environment. Therefore, this configuration is only supported in on-premise scenarios.

Procedure

1. In the Eclipse installation folder, open the `eclipse.ini` file.

At the end of the existing command lines, add the support-relevant VM parameters starting with "-D".

i Note

Add the specific value after the equal mark at the end of the VM parameter.

2. Save your changes.
3. Restart your IDE.

Results

The IDE is restarted and now traces the relevant data.

❖ Example

In the following example, the timeout for the SAP GUI startup process is defined with 60000 ms:

```
-Dcom.sap.adt.sapgui.winguiTraceLevel=1
```

```
-Dcom.sap.adt.sapgui.ui.win32.pipeConnectionTimeout=60000
```

7.3 [Optional] Configuring Accessibility Features of ADT

Eclipse and ABAP Development Tools (ADT) offer various accessibility features for use with a screen reader, such as bigger fonts, higher contrasts, for example. Some of these features are active by default; some have to be configured.

Procedure

To find more information, open the ► [SAP - ABAP Development User Guide](#) ► [Concepts](#) ► [Accessibility Features in ADT](#) ► Help Contents in your Eclipse-based IDE.

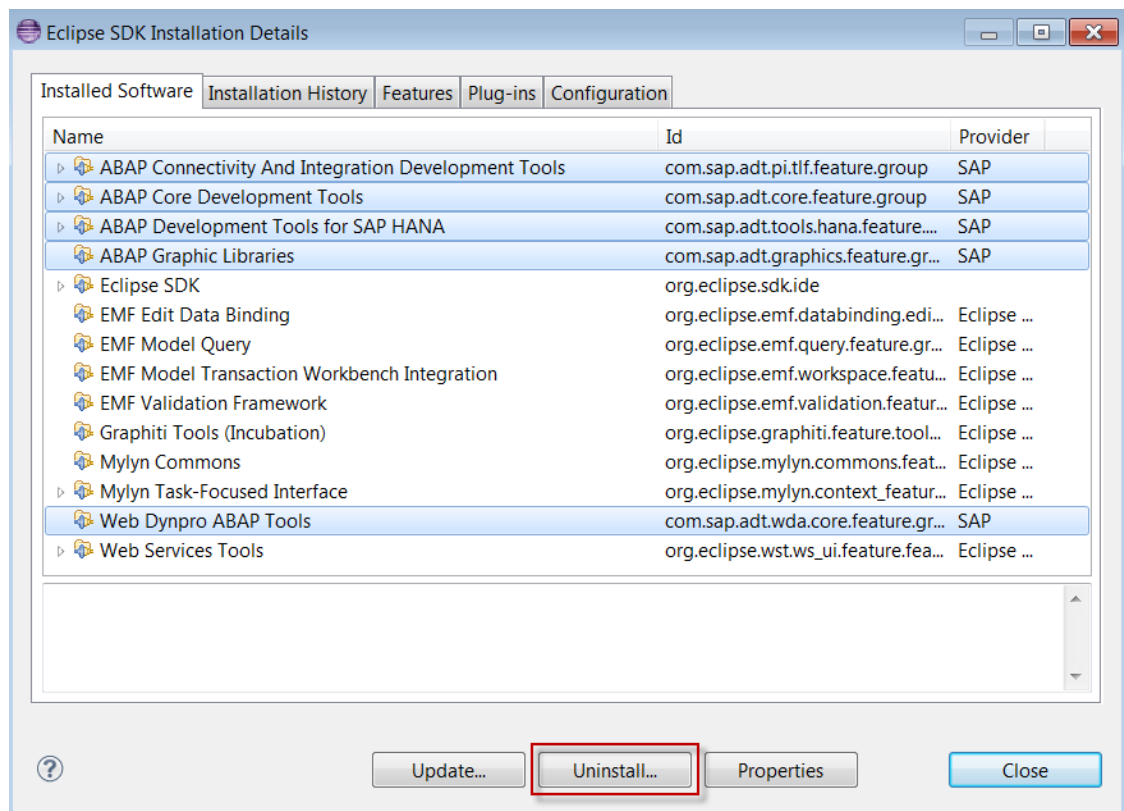
8 De-Installation

Context

To uninstall all front-end components required for running ABAP Development Tools, proceed as follows:

Procedure

1. To uninstall the ABAP Development Tools package
 - a. Launch your Eclipse workbench – if this has not already been done.
 - b. Choose the menu **Help > About...**
 - c. Click the **Installation Details** button.
 - d. Select the corresponding nodes, such as **ABAP Core Development Tools, etc.**
 - e. Click the **Uninstall...** button.

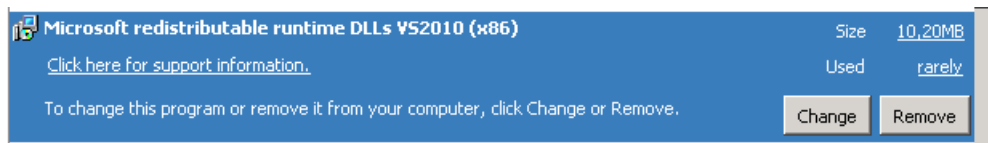


Uninstalling ABAP Development Tools

The Uninstall Details page displays a list of feature groups that will be uninstalled.

- f. To start the uninstall process, choose **Finish**.

2. [Optional-] If you have installed the MS Runtime DLLs VS2010 manually, you need to remove them.



Removing MS runtime DLLs

9 Support Case

9.1 Providing Additional Information for Analyzing an Error

The Trace Configuration enables you to provide SAP additional information in case of errors in locations such as Debugger, Coverage, ABAP source code, etc.

Context

You set the Trace Configuration in the [Preferences](#) depending on the error location, proceed as follows:

Procedure

1. In the Eclipse workbench, choose the menu **▶ Window ▶ Preferences ▶**.
2. In the [Preferences](#) window, select **▶ ABAP Development ▶ Trace Configuration ▶**.
3. In the [Level](#) list box, choose [Info](#).
4. In the [Location](#) area, open the ABAP Development Tools tree and choose the corresponding entry, for example, **▶ Profiler ▶ UI ▶**.
5. Confirm with [OK](#).

Results

Now, the Eclipse-based IDE traces additional information which you can collect and provide as a ZIP file to the SAP support.

i Note

Only enable the Tracing Configuration in case of a specific error. Because, tracing is intense in memory consumption, deselect all locations after creating the support information file. Otherwise your client might work slower or after the next restart of the client, a corresponding dialog is opened.

Related Information

[Getting Support Information \[page 39\]](#)

9.2 Getting Support Information

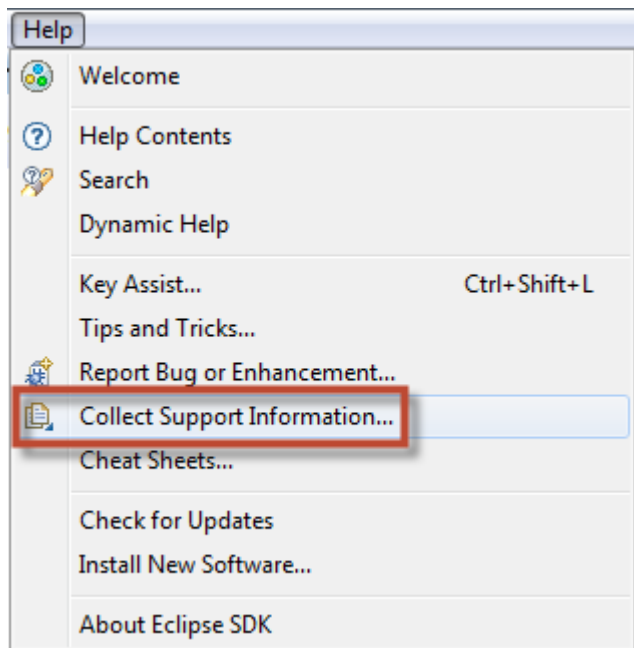
Context

Should errors occur in connection with ABAP Development Tools for which you, as an SAP customer, require more detailed support from SAP, it is of considerable importance that you provide all the required data for such a support case in order to speed up the troubleshooting process. For this purpose, ABAP Development Tools provides a comfortable tool support solution. With a few simple mouse clicks, you can generate a support information file. This file contains all the relevant data for your IDE or GUI version, as well as information on preference settings and technical system environment data. You can then add this support file to your OSS problem message as an attachment.

To collect the support information, proceed as follows:

Procedure

1. In the Eclipse workbench, choose the menu **Help > Collect Support Information...**



Launching the Support Information Collection using the menu

2. In the dialog box that appears, specify the location of the support file and choose **Finish**.

10 Additional Information

10.1 Installing Plug-ins from Third Parties

Your installation of ABAP Development Tools can be enriched with additional plug-ins from various providers (3rd parties).

Risks

These plug-ins can gain control over your client installation or even your complete front-end PC.

Protection Measures



You should carefully decide on plug-ins that you are going to install. For this, only use plug-ins from trusted sources and which are using signatures.

Important Disclaimers and Legal Information

Hyperlinks

Some links are classified by an icon and/or a mouseover text. These links provide additional information.

About the icons:

- Links with the icon : You are entering a Web site that is not hosted by SAP. By using such links, you agree (unless expressly stated otherwise in your agreements with SAP) to this:
 - The content of the linked-to site is not SAP documentation. You may not infer any product claims against SAP based on this information.
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Any software coding and/or code snippets are examples. They are not for productive use. The example code is only intended to better explain and visualize the syntax and phrasing rules. SAP does not warrant the correctness and completeness of the example code. SAP shall not be liable for errors or damages caused by the use of example code unless damages have been caused by SAP's gross negligence or willful misconduct.

Gender-Related Language

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