SAS® AppDev Studio™ 3.2.2 Eclipse Plug-ins Update

The SAS AppDev Studio 3.2.2 Eclipse Plug-ins Update delivers the files required to support the newly released Eclipse version 3.2.2 and Eclipse Web Tools 1.5.1 from the Eclipse Foundation.

Installation Overview

Please read this file carefully since it contains the necessary information to install the SAS AppDev Studio 3.2.2 Eclipse Plug-ins Update. This update is designed to be installed after the SAS AppDev Studio 3.2 Eclipse Plug-ins. It will not work with any other version.

These instructions assume that any existing install of SAS AppDev Studio Eclipse Plug-ins was installed using the default location and that you chose to have the set-up install a new Eclipse rather than use an existing Eclipse. If you have a different configuration, you will have to adapt these instructions to match your particular configuration.

There are five major steps required to complete this update. Each step is described below with the detailed procedure for each step in the sections that follow. Review this description to determine which steps you need for your deployment.

Step 1 - Install a 3.2.x version of Eclipse for use with the SAS AppDev Studio Eclipse Plug-ins. Eclipse 3.2.1 and Eclipse 3.2.2 are supported. *If you already have an appropriate version of Eclipse installed, you may skip this step.*

Step 2 - Upgrade the Eclipse installation to add the Web Tools Platform along with its dependencies. You will need Web Tools Platform 1.5.1 or later. *If your Eclipse installation already has an appropriate version of Web Tools Platform installed, you may skip this step.*

Step 3 - Install the SAS AppDev Studio 3.2 Eclipse Plug-ins. This version of the plug-ins is used to install the SAS Versioned Jar Repository. *If the SAS AppDev Studio 3.2 Eclipse Plug-ins are already installed, you may skip this step.*

Step 4 - Install the SAS AppDev Studio 3.2.2 Eclipse Plug-ins Update. *If you are only upgrading a SAS AppDev Studio 3.2.1 Eclipse Plug-ins installation, you should start here.*

Step 5 - Apply the 322APPDEV01 hot fix. *If you have already applied this hot fix, you may skip this step.*

Step 1 – Install Eclipse

Note: *You may skip this section if you have already installed Eclipse 3.2.1 or later.*

1. Create an install area for Eclipse 3.2.2 (for example, `c:\Program Files\SAS\ SASAppDevStudio\3.2.2`).

2. Download a fresh copy of Eclipse 3.2.2 from http://www.eclipse.org/downloads/download.php?file=/eclipse/downloads/drops/R-3.2.2-200702121330/eclipse-SDK-3.2.2-win32.zip and save it in the working folder.

3. Extract the files from the Eclipse download archive to a new install location (for example, `c:\Program Files\SAS\SASAppDevStudio\3.2.2`). After extracting the files, you will have an **Eclipse** directory in this install area (for example, `c:\Program Files\SAS\SASAppDevStudio\3.2.2\eclipse`).

4. Run Eclipse (for example, `c:\Program Files\SAS\SASAppDevStudio\3.2.2\ eclipse\eclipse.exe`) and create a new workspace to hold your projects (as with the prior workspace, specify a path for the new workspace that does not contain spaces). In this way, any pre-existing SAS AppDev Studio Eclipse 3.2 Plug-ins workspace remains unaffected by this update. If you decide to return to a pre-existing install of SAS AppDev Studio Eclipse Plug-ins, your prior workspace is in the same state it was before the update.

5. Create a new shortcut to run SAS AppDev Studio Eclipse Plug-ins on your desktop by doing the following:

   a. Bring up the Create Shortcut wizard by clicking the a right mouse button on an unused area of the Windows desktop and selecting the **New→Shortcut** menu item.

   b. Click the **Browse** button and navigate to the `eclipse.exe` you installed in item 3 above (for example, `c:\Program Files\SAS\SASAppDevStudio\3.2.2\ eclipse\eclipse.exe`). Click **OK** to select this location and then click **Next**.

   c. Give the shortcut a name (for example, **SAS AppDev Studio 3.2.2 Eclipse Plug-ins**).

   d. Click **Finish** to create shortcut.

Step 2 – Upgrade Eclipse to Add Web Tools Platform

Note: *You may skip this section if you have already installed Web Tools Platform 1.5.1 or later.*

1. If your computer is behind a web proxy server, you will need to modify your proxy settings in Eclipse by doing the following:

   a. Select the menu item **Window→Preferences**.

   b. Expand the tree item **Install/Update**.

   c. Check the **Enable HTTP proxy connection** checkbox.

   d. Specify the proxy address (for example, "proxy.mycompany.com").

   e. Specify the proxy port (for example, 80).

   f. Click **OK**.

2. Update the Eclipse install to include Web Tools by doing the following:

   a. Run Update Manager by selecting menu item **Help→Software Updates→Find and install**.

   b. Select **Search for new features to install** and then click **Next**.

   c. The **Update sites to visit** window opens. Check **Callisto Discovery Site**, then click **Finish**.

   d. Select a mirror location and click **OK**.

   e. Expand **Callisto Discovery Site**.

   f. Select to install **Web and J2EE Development** and click the **Select Required** button to get all the required files.

   g. Click on **Next**, accept the license terms, and click on **Next** again.

   h. Click **Finish**.

   i. Click **Install All** on the Feature Verification prompt.

   j. You are prompted to restart your workspace. Click **Yes** to restart. If prompted, select a workspace and click **OK**.

   k. Exit Eclipse.

Step 3 – Install SAS AppDev Studio 3.2 Eclipse Plug-ins

Note: You may skip this step if you have already installed SAS AppDev Studio 3.2 Eclipse Plug-ins.

Install SAS AppDev Studio 3.2 Eclipse Plug-ins using your install media using a planned install. When prompted, choose **Use Existing Eclipse** rather than **Install Eclipse**, and specify the Eclipse 3.2.x installation location created in Step 1, item 3 (for example, `c:\Program Files\SAS\SASAppDevStudio\3.2.2\eclipse`) as the existing Eclipse location.

Step 4 – Install SAS AppDev Studio 3.2.2 Eclipse Plug-ins

Note: Begin with this step if you are only upgrading SAS AppDev Studio 3.2.1 Eclipse Plug-ins.

1. Create a temporary working folder to store downloaded files (for example, `c:\ADSUpdate`).

2. Download the SAS AppDev Studio 3.2.2 Eclipse Plug-ins update and save the `AppDevStudio_3.2.2.zip` file in the working folder.

   Note: Do not extract the files from the archive file.

3. Run `eclipse.exe` using the shortcut created in Step 1 and update SAS AppDev Studio Eclipse Plug-ins by doing the following:

   a. Ignore the **Create Required Servers** cheat sheet if displayed – you will complete these configuration steps after performing the update.

   b. Run Update Manager by selecting menu item **Help→Software Updates→Find and install**.

   c. Search for new features to install.

   d. Click **Next**.

   e. Click **New Archived Site…**.

f.   Enter the location of downloaded `AppDevStudio_3.2.2.zip` file from item 1 of this current step (for example, `c:\ADSUpdate\AppDevStudio_3.2.2.zip`).

g.   Click **OK**.

h.   Make sure that the **AppDevStudio_3.2.2.zip** site is checked and click **Finish**.

i.   Select the **AppDevStudio_3.2.2.zip** feature.

j.   Click on **Next**, accept the license terms, and click on **Next** again

k.   Click **Finish**.

l.   Click **Install All** on the Feature Verification prompt.

m.   You are prompted to restart your workspace. Click **Yes** to restart. If prompted, select a workspace and click **OK**.

n.   The **SAS AppDev Studio New Workspace Setup** cheat sheet is displayed. Follow these steps to complete the update process.

Note: *If the cheat sheet is not displayed or you wish to run the cheat sheet later, launch the cheat sheet selection dialog by selecting menu item **Help→Cheat Sheets**, then expand the **SAS AppDev Studio** tree item and select the **New Workspace Setup** cheat sheet.*

Step 5 – Apply Hot Fix 322APPDEV01

Note: *You may skip this step if you have already applied Hot Fix 322APPDEV01.*

Hot Fix 322APPDEV01 is located at the Technical Support Hot Fixes Web page, at http://ftp.sas.com/techsup/download/hotfix/op_home.html. Select SAS AppDev Studio 3.2.2, listed under "Business Intelligence." A Web page containing the hot fix and the instructions for applying it will open.

Note: *For the SAS AppDevStudio 3.2.2 Eclipse Plug-ins to function correctly, it is important that Step 1 of Hot Fix 322APPDEV01 install be performed. This step called for the deletion of the file named* `com.sas.app.launcher.cache` *file. If you are unsure if this was done, review the Hot Fix 322APPDev01 instructions, shut down Eclipse and other software according to Important Notes #4, perform Step 1, and then restart Eclipse and any other software that was shut down.*

Support for SAS 9.1.3 Hot Fix

For any previously created SAS Web Application Projects where you wish to take advantage of the fixes provided in SAS 9.1.3 Hot Fix F5, you must perform the following steps to complete the update of the SAS Repository:

1.   Right-click on the project in the Project Explorer, Package Explorer, or Navigator view and select **Properties**.

2.   Select the **Project Facets** properties page.

3.   Click **Add/Remove Project Facets…**.

4.   Click on the Version for the "SAS Web Module with WIK" facet to make its combo box appear.

5.   In the combo box, select **9.1.3.019001**.

6.   Click **Finish** and then **OK**.

Using Old JAR Files in New SAS Projects

All new SAS Web Application Projects, as well as any SAS Java Projects, will automatically pick up the latest version of JAR files. If you wish to use the latest JAR, you do not need to make any changes. If you wish to continue using the old JAR files in a new SAS Web Application Project, follow the steps in the "Support for SAS 9.1.3 Hot Fix" section above to upgrade a SAS Web Application Project, using **9.1.3.019000** as the version at Step 5. If you wish to continue using the old JAR files in a new SAS Java Project, you will have to edit the SAS Repository settings using the following steps:

1. Open the project in Eclipse.
2. Expand the project in the package explorer, then right-click on **SAS Repository**, and select **Configure…**.
3. Select **Add Dependencies**.
4. In the list box, scroll down and highlight **sas.iquery.metadata**.
5. In the **Match Rule** list box, select **Exact**.
6. In the **Version** window, select **9.1.3.019000**.
7. Repeat steps 4, 5, and 6 from this section for the following entries:

   sas.iquery.dataservices.jar
   sas.swing.jar
   sas.dataexplorer.jar
   sas.servlet.jar
   sas.ads.iqueryutil.jar

8. Click **Finish**.

SAS AppDev Studio Developer's Site

For the latest information on updates, frequently asked questions, and other online documentation, please refer to the SAS AppDev Studio Developer's Site at http://support.sas.com/rnd/appdev.

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