TIBCO Designer™

Release Notes

Software Release 5.8.0
November 2012

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Important Information

Contents

Preface

TIBCO Designer is an easy to use graphical user interface for designing and creating the integration project configurations. TIBCO Designer allows you to drag and drop components into a project and build an Enterprise Archive (EAR) for the project. The EAR can then be used by TIBCO Administrator™ for deploying and running the application.

Topics

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1   General Typographical Conventions

Convention	Use
ENV_NAME *TIBCO_HOME*	TIBCO products are installed into an installation environment. A product installed into an installation environment does not access components in other installation environments. Incompatible products and multiple instances of the same product must be installed into different installation environments. An installation environment consists of the following properties: • **Name** Identifies the installation environment. This name is referenced in documentation as *ENV_NAME*. On Microsoft Windows, the name is appended to the name of Windows services created by the installer and is a component of the path to the product shortcut in the Windows Start > All Programs menu. • **Path** The folder into which the product is installed. This folder is referenced in documentation as *TIBCO_HOME*.
`code font`	Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example: Use `MyCommand` to start the foo process.
`bold code font`	Bold code font is used in the following ways: • In procedures, to indicate what a user types. For example: Type **`admin`**. • In large code samples, to indicate the parts of the sample that are of particular interest. • In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, `MyCommand` is enabled: `MyCommand [`**`enable`**`	disable]`

Table 1   General Typographical Conventions (Cont'd)

Convention	Use
italic font	Italic font is used in the following ways: • To indicate a document title. For example: See *TIBCO ActiveMatrix BusinessWorks Concepts*. • To introduce new terms For example: A portal page may contain several portlets. *Portlets* are mini-applications that run in a portal. • To indicate a variable in a command or code syntax that you must replace. For example: `MyCommand` *PathName*
Key combinations	Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C. Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Connecting with TIBCO Resources

How to Join TIBCOmmunity

TIBCOmmunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOmmunity offers forums, blogs, and access to a variety of resources. To register, go to http://www.tibcommunity.com.

How to Access All TIBCO Documentation

After you join TIBCOmmunity, you can access the documentation for all supported product versions here:

http://docs.tibco.com/TibcoDoc

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

* For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

  http://www.tibco.com/services/support

* If you already have a valid maintenance or support contract, visit this site:

  https://support.tibco.com

  Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Release Notes

Check the TIBCO Product Support web site at http://support.tibco.com for product information that was not available at release time. Entry to this site requires a username and password. If you have a valid maintenance or support contract you can request a password to use this site.

Topics

New Features

This section lists features added since the last major (5.0.0) release of this product.

Release 5.8.0

There are no new features in this release.

Release 5.7.4

There are no new features in this release.

Release 5.7.3

There are no new features in this release.

Release 5.7.2

There are no new features in this release.

Release 5.7.1

There are no new features in this release.

Release 5.7.0

ClearCase 7.1.1 is now supported.

Release 5.6.2

No new features have been introduced in release 5.6.2.

Release 5.6.1

No new features have been introduced in release 5.6.1.

Release 5.6.0

Scriptable RCS Adapter

If your revision control system is not supported by TIBCO Designer, you can use the scriptable RCS adapter to interact with a program you provide. The scriptable RCS adapter forwards TIBCO Designer RCS operation requests to your script. The script must conform to TIBCO Designer scripting protocol. The protocol defines the arguments the script receives and what the script is expected to return as results.

Limiting the Number of Global Variables

You can limit the number of global variable included in design-time libraries and enterprise archive files by adding a property to the designer.tra file. Note that this feature should be used with caution as not all resources report global variable usage to TIBCO Designer. This could result in a runtime error if a needed global variable is not included.

Specifying a Relative Path for EAR Files

When building an archive file, the file location can now be specified relative to the directory containing the project.

Release 5.5.2

No new features have been introduced in release 5.5.2.

Release 5.5.1

No new features have been introduced in release 5.5.1.

Release 5.5.0

The TIBCO Designer property file, `designer.tra`, has been updated for use with Apache Tomcat 5.5.

Release 5.4.0

Enhanced Schema Editor

The schema editor in TIBCO Designer has been greatly enhanced in this release. The new schema editor is now based on the same model TIBCO BusinessWorks uses internally. Working off the same model has many benefits.

- Consistent error reporting
- Support for multiple imports of same namespace from various locations
- Enhanced source fidelity
- Improved namespace declaration and prefix support
- Consolidated UI

Release 5.3.0

No new features have been introduced in release 5.3.0.

Release 5.2.1

No new features have been introduced in release 5.2.1.

Release 5.2.0

AliasLibrary

The `AliasLibrary` resource allows you to load files stored in the file system into your project. An `AliasLibrary` can be used for resources that depend on external files, such as the Java Activity in TIBCO BusinessWorks. Resources in your project can reference aliases in an `AliasLibrary` to resolve external file dependencies that they may have at runtime or debug time.

LibraryBuilder

The `LibraryBuilder` resource allows you to build a design-time library that includes resources defined in one project that can be shared with other projects.

Design-time library

A design-time library allows you to share or reference configurations between different projects. You can add design-time libraries to the root project folder. A design-time library includes one or more `LibraryBuilder` resources, which include resources created in other projects that are designed to be reused.

Palette browser

The palette browser allows you to manage palettes easily. You can explore palette groups, palettes and resource types, and enable or disable specific palettes to display in the palette panel. The browser includes a search filter that allows you to display only palettes that match a specific string.

Global variables filter

The global variables editor includes a search function that can be used to display variables that match a regular expression. Global variables can only be modified in the global variables editor.

Additional layout options

Two additional layout options are available for displaying the project tree and palettes. In addition, you can specify the use of a drop down menu, rather than tabs to display the Project, Global Variables, Tester and Palettes shortcuts.

You can also enable double-clicks to initiate drag and drop operations for resources in palettes.

Revision Control System plugins

The following revision control systems are supported.

- Microsoft Visual Source Safe (MVSS). Visual SourceSafe Version: 6.0c (Build 9447)

- Perforce Client. Version: 2001.1.27804, Nov 14 2001.

The following are newly supported in this release:

- Rational ClearCase. Version: 2003.06.00.436.000

- Merant Version Manager (PVCS) Version: 8.0.0.2 (Build 483) and version: 8.0.0.9 (Build 596)

- Concurrent Versions System (CVS). Concurrent Versions System (CVSNT) 2.0.34 (client/server)

Release 5.1.3

RCS plugins

Beta RCS plugins for CVS and ClearCase are now available.

Release 5.1.2

Palette panel redesign

The palette panel is now more space efficient, allowing you to view more palettes and resources at the same time.

Encoding for TIBCO Messaging

You can now change the encoding for TIBCO Messaging that is specified for a project.

Adapter tester

Allows you to choose an already installed adapter, run it, and view output in the associated console window. Available from the Tools menu.

Adapter Tester may work with GAC and other custom type adapters, however, TIBCO only supports this feature on packaged adapters.

Version control

Support for multiple version control systems. The corresponding menu commands have been added to the **Multi-User** menu.

XML Canon

Support for XML Canon project type. Allows integration with XML Canon.

Release 5.1.0

Support for SSL setup

This includes:

- Identity resource, which can be configured for Username/Password, Certificate/Private Key, or Identity file.

- Ability to import trusted certificates into the project in PEM format. This alleviates problems resulting from stored files that are accessed from multiple operating systems. New tools menu to do that.

Advanced import option

New "advanced import" option to import a resource "in-place".

Password obfuscation support

The password fields in Designer obfuscate the password text prior to saving.

Enterprise Archive resource

Allows for the configuring and creation of deployment Enterprise Archive (`ear`) files. The `ear` file contains all the necessary information and file definitions to deploy and run a project. The Enterprise Archive Resource contains by default a Shared Archive. An adapter archive and a process archive can be added. The adapter and process archives create corresponding service archives inside the `ear` file.

Turbo XML editor

The Generic Adapter Configuration can now be edited in the embedded Turbo XML editor. A button is provided in the configuration form of the resource to launch the editor.

Project tracker palette

Provides functionality to organize and track the various tasks associated with a project.

XML tools palette

Provides functionality to create and manage XML schemas.

Release 5.0.0

Startup window

In the startup window, you can now delete projects, configure your preferences, and configure TIBCO Designer runtime parameters.

Open multiple projects

You may now have multiple projects open simultaneously. Each project is opened in a separate TIBCO Designer Window.

Multi-file projects

In 5.0.0, multi-file projects were supported and recommended, but other project formats were allowed. In 5.1.2, a number of menus have been changed to support multi-file project and XML Cannon only. You have to import or export file-repository or server-repository projects (see also Changed Functionality).

Version control support for multi-file projects

You can use TIBCO Designer together with a version control system. Currently supported are File Sharing, and Microsoft Visual SourceSafe.

Lazy load of multi-file projects

Designer 4.x always resolved all references when loading a .dat project. For multi-file projects, a preference controls when references are resolved. This can significantly speed up loading the project.

Conversion from .dat to multi-file format

You can convert multi-file projects to .dat format using the Administration tab of the Startup panel or the Tools menu in the TIBCO Designer main window.

You can also save the file in a different format using the TIBCO Designer Save As dialog.

If you need to do batch conversion of many projects, use the RepoConvert tool. The tool is located in <tibco_home>/tra/<version>/bin. It is documented in the Utilities chapter of the TIBCO Administrator Server Configuration Guide, which is included with your TIBCO Administrator release.

Validation

A number of facilities have been added that help you avoid broken references in a project. They include:

* Prompt upon renaming a resource. A Preference determines whether you are prompted. Choose **Edit > Preferences**, then select the **References** tab.

* A **Project > Find Broken References** menu command.

- **Resource > Validate Resource** and **Project > Validate Project for Deployment** options find broken references and other validation issues. This includes, for example, the following:

  — If an adapter includes services that use JMS sessions, and you save that adapter in 4.x format, you are informed of the issue when you next validate the adapter.

  — If you add a timer to an adapter that does not have a session, you are warned during validation.

  — If your fields in the Transformation plugin are left unset, you are warned during validation.

For additional information about individual resources, see the Menus chapter in the *TIBCO Designer User's Guide*.

5.0.0

JMS sessions and endpoints

Services using JMS and corresponding sessions and endpoints are now supported.

Additional server-based repository transports

When saving a server-based project, you may choose HTTP or HTTPS (in addition to the previously supported TIBCO Rendezvous transport options) to connect to the repository server.

Find/Replace

You can now replace portions of a resource name when you choose **Edit > Find/Replace**.

Runtime properties configuration

You can configure a project's runtime properties using the **Administration** tab of the startup window.

Text resource

A new Text resource is now in the General folder. This resource is useful for viewing and editing text documents in the project, and for notes.

Image resource

A new Image resource is available to store images in the project or access built-in icons.

Custom icon support

You can turn on custom icon support for a folder using that folder's right-button menu. If you do, you can use an image resource to define a custom icon.

Schema redesign

The Schema folder has been renamed to AESchemas. Open it, then drag an AESchema resource from the palette panel into the design panel. TIBCO Designer creates a hierarchy of schema folders for your project. See the TIBCO Designer Adapter Schema Management Guide for more information.

Generic adapter configuration redesign

The Generic Adapter Configuration has been restructured to be more service-centric. To create your adapter configuration, drag the service you need into the design panel and configure it. If necessary for your configuration, you can then open the Advanced folder and edit the associated Endpoints and Sessions.

In previous releases of TIBCO Designer, services were not auto-created for endpoints. If you open an adapter saved in the 4.x environment, it does not include any services. You must use the GAC tools to create services for the endpoint (or all endpoints).

Note that endpoints that contain multiple schemas only create a single service pointing to the first schema found. If additional services are desired, copy the service and assign the additional schema to the copied service.

Transformation plugin

A new Transformation Plugin resource allows you to include custom Transformation Plugins with your project. Transformation Plugins can be used be adapters that wish to make changes to incoming or outcoming data.

Note: You must write the code for your transformation plugin outside TIBCO Designer. The resource is intended to allow you to include the plugin with our project.

Tools

A set of tools that allow you, for example, to convert files or to move files into or out of the project is included with the Tools menu.

Changes in Functionality

This section lists changes in functionality since the last major (5.0.0) release of this product.

Release 5.8.0

There are no functionality changes in this release.

Release 5.7.4

There are no functionality changes in this release.

Release 5.7.3

There are no functionality changes in this release.

Release 5.7.2

There are no functionality changes in this release.

Release 5.7.1

There are no functionality changes in this release.

Release 5.7.0

There are no functionality changes in this release.

Release 5.6.2

There are no functionality changes in this release.

Release 5.6.1

There are no functionality changes in this release.

Release 5.2.0

Naming Convention

A stricter naming convention is enforced in this release. The naming convention prevents you from renaming an object by changing case and prevents the use of certain characters. For example, you cannot rename an object from `myobject` to `MyObject`. You also cannot use the following characters in an object name: | / \ " ' : ?.

The `-Dstrictnames` flag is available in the `designer.tra` file and is set to `true`, which means the strict naming convention is enforced. The flag should be set to `false` when opening a 5.1.3 project in TIBCO Designer 5.2 that contains object names which use the disallowed characters. After opening the project, you should change object names by removing the disallowed characters and change the `-Dstrictnames` flag to `true`.

Release 5.1.2

Transformation plugin

Transformation Plugin has been renamed to Message Filter.

Open or Save

Open or Save is no longer supported for local repository and server repositories.

You must use **Project>Import Full Project** or **Project > Export Full Project.**

This change was made because most users prefer using multi-file format, which facilities use of a version control system.

Importing a project automatically converts it. You must export it to keep the format you were using.

Documentation

Base documentation for TIBCO Designer now consists of a User's Guide (as before) and a Palette Reference. The documents *Adapter Resource Management Guide*, *Adapter Schema Management Guide,* and *Repository Management Guide* are now chapters in the *Palette Reference*. Documentation for the XML tools palette is included there as well.

Project Tracker

Project Tracker has been renamed to Task List.

Release 5.1.0

SSL configuration

The SSL configuration screens have changed completely.

Project validation

Reworked and improved project validation feature.

Advanced editor for global variables

The editor allows you to set types and descriptions for global variables. Variables can also be configured to be settable on a per-deployment or a per-service basis.

Release 5.0.0

How adapters are opened

In previous releases, you used Generic Adapter Configuration to load in any adapters for which no palette exists, or pre-configure adapters for which you were writing SDK code.

Starting with TIBCO Designer 5.0, an adapter is not opened if:

- TIBCO Designer does not have a palette for that adapter

- The adapter has a mapper for converting from `.dat` file to a multi-file project.

The adapter mapper is installed into TRA as part of adapter installation. If an adapter has a mapper, it will map to a special file extension like `.sap`, `.psft`, etc. Without a mapper the default puts adapters in `.adapter` files. The Generic Adapter Configuration opens all `.adapter` files.

Generic Adapter Configuration can also be used for pre-configuring SDK-based adapters.

Reference format

References now use a URI format, which supports local references using a #location syntax (for example, `/AESChemas/foo.aeschema#class.A` points to `class.A` in `foo.aeschema`).

Project maintenance

The **Maintain a project** option is no longer available from the startup menu. All other project maintenance options have also disappeared. They are no longer needed because multi-file projects supports version control.

JRE version

TIBCO Designer now supports JRE 1.4.1. It has been tested with both JRE 1.3.1 and 1.4.1 under Microsoft Windows and with the JRE version supported by that platform under UNIX. For a list of supported JRE versions, see the TIBCO Runtime Agent `readme.txt` file.

Generic adapter configuration changes

If you open a file with extension `.adapter`, it is displayed as a Generic Adapter Configuration. A number of other things have changed:

*   You can now look at and edit the XML file which represents the adapters configuration without exporting the adapter explicitly. This requires knowledge of the Repository AEXML format.

    WARNING: Editing the XML file is done at your risk. Be sure to verify the file. Base XSDs can be found in tra/<version>/schema.

*   Adapter services are now stored in the project. Services were autocreated on project load, but were never saved. Services are NOT automatically generated from endpoints in the adapter.

*   If you convert a 4.0 repository to 5.0 format, then open it in TIBCO Designer 5.0, no services will be available by default. To create services, navigate to the Services folder and select **Create Service From Endpoint** in the Services folder.

*   Services must reference unique endpoints. It is impossible for a service to share an endpoint with another service.

*   Endpoint property for a service is read only, as endpoints cannot be assigned directly to services.

*   Undo for certain operations in the adapter that delete sessions or endpoints may lose custom settings set through the session or endpoint. To reset such values, you have to reenter the value manually.

Palette preferences

There is now a simpler mechanism for managing palettes. Installed palettes are listed in the Palette menu. You can uncheck palettes that you don't use in the palette panel to minimize clutter.

The palette preferences window is therefore no longer needed and has been removed.

Menus

A number of menus have changed or been added. For example, palettes and custom palette operations have been organized in a **Palettes** menu.

Layout and selection

- The layout of the main window and the corresponding preferences have changed.

- The project tree now has the following selection behavior:

    — The item displayed in the design panel is marked with a * in the project tree.

    — The form elements displayed belong to the item showing a selection on the tree.

    — Right-click temporarily selects an item, and the previously selected item has a border.

Opening projects

When you open a multi-file project, TIBCO Designer only loads the contents of a project folder if the folder is accessed by the user or by a resource.

If you rename or move a folder, TIBCO Designer prompts you whether you want to check for references. If you do, the entire project is loaded so that the checks can be performed.

Refresh command

When you are using multi-file projects, you can use the Resource > Refresh menu command to indicated that the resources file changed on disk and should be reloaded.

Custom palettes

Custom palettes are now called My Palettes.

Navigation buttons

Navigation buttons for up, back, and next are now on the main tool bar.

Schemas

Schemas are now grouped into AESchema resources that contain related classes, associations, scalars, sequences, and unions.

Shared sessions

It is no longer possible for more than one adapter to use the same session. When you migrate from a single-file .dat project to a multi-file project, sessions are copied into each adapter.

Passwords

Passwords are now hidden in Inspect Resource windows.

Autocreation of local projects

For local projects, you can now type the project name in the File field of the Save Project dialog to create the project. You no longer have to click New Project. For server-based projects, you still have to click New Project.

Global variable hierarchies

When you choose **Edit > Global Variables**, or click **Global Variables** tab to the left of the project tree, you now have two choices:

• Assign values to predefined global variables.

• Create a hierarchy of new variables. You use the table icon to indicate a container for your global variables. Each container is saved as a separate folder when you save your variables as part of a multi-file project. You can then add variables and, optionally, assign them values.

   You can also create new variables at top level.

Folders

TIBCO Designer now distinguishes between two different kinds of folders:

• Folders created from a Folder resource in the General Palette (shows a multi-folder icon) become folders in the file system.

• Other folders, such as the Adapter Services folder inside an adapter configuration are logical folders. These folders only exist in memory in the resource that holds them. The actual data for these elements is stored in a file.

Adapters

When TIBCO Designer 4.x was used to configure adapters, adapter configurations were always stored in `/tibco/private/adapter/<type>/Instance/Appname`.

With TIBCO Designer 5.0, adapter configurations take into account their location in the Designer tree. This location is appended to /tibco/private/adapter which is exactly what TIBCO Adapter SDK expects. Therefore, the multi-file project name (with the extension after the dot removed) can be passed directly to TIBCO Adapter SDK.

Reference formats

Reference formats have changed. In earlier releases, reference were always resource paths, now they are URIs.

Endpoint references

For Generic Adapter Configuration endpoint references, sharing is no longer allowed.

Subject name

For Generic Adapter Configuration, the default subject name is not updated when the adapter instance name changes.

Migration and Compatibility

See the *TIBCO Runtime Agent Upgrading to Release 5.8* guide for information about upgrading to 5.8. The guide is installed in the *TIBCO_HOME*\`tra`*versison_num*\\`doc` folder.

Closed Issues

The table in this section lists issues that were closed in the named releases.

Closed in Release	Defect #	Summary
5.8.0	DSNR-3771	TIBCO Designer failed to import a certificate having a colon in certificate's CN.
5.8.0	TXML-142	TIBCO Designer 5.7.1 gave validation error on `<xsd:all>` declaration for a valid schema.
5.7.4	DSNR-3758	Starting TIBCO Rendezvous SSL projects failed from TIBCO Designer.
5.7.4	DSNR-3753	Replace `tibrvj.jar` and `tibrvjsd.jar` with `tibrvnative.jar` and `tibrvnativesd.jar` in the classpath of `designer.tra` to support the latest TIBCO Rendezvous API standard.
5.7.4	TRA-2736	In TIBCO Designer, testing JMS connection, with SSL enabled, failed with an error.
5.7.4	TRA-2675	Creating an EMS SSL based domain on top of TIBCO Runtime Agent 5.7.3 failed.
5.7.3	DSNR-3744 DSNR-3708	The `%RV_HOME%/lib/tibrvjsd.jar` CLASS PATH defined in the `designer.tra` file was not correct in the UNIX 64-bit packages.
5.7.3	DSNR-3740	The SSL configuration information was missing for the Send Mail activity in TIBCO ActiveMatrix BusinessWorks.
5.7.2	DSNR-2190	When validating a project used with the Clearcase version control system in TIBCO Designer, an error message similar to the following appeared: `The resource xxx is not multi-user.` `The global variable xxx is not multi-user.`
5.7.2	DSNR-3723	The TIBCO Designer Add-in for TIBCO Business Studio™ UI went into an unresponsive state under certain conditions.
5.7.1	DSNR-3695 (1-AT0SDB)	TIBCO Designer did not allow SSL JMS connection configuration without client certificates.
5.7.0	DSNR-2246 (1-AL3XCK)	TIBCO Designer did not allow the value `true` or `false` to be used for Boolean type global variables.

Closed in Release	Defect #	Summary
5.7.0	DSNR-2255 (1-AVY76N)	Changes to a resource element in a Perforce folder were lost when TIBCO Designer failed to checkout the folder. This defect has been fixed (with the requirement that the property `java.property.P4.PERFORM.OPEN.FILES.CHECK` has been set).
5.7.0	DSNR-3682	Designer change for TIBCO Designer™ Add-in for TIBCO Business Studio™ Support for Serena RCS: Read-only and writable natures of version controlled files were added. When the user checked out a particular resource and tried to save it after modification, the user would encounter errors until the `.folder` file in the folder of the resource was also checked out. (Until this `.folder` file was checked out, it remained as a read-only file.)
5.7.0	TADT-1 (1-6L2BXA)	TIBCO Designer did not have options to configure durable names and message selectors.
5.7.0	TADT-3 (1-AUEOXQ)	When doing the test connection in JMS Session palette and using the global variable for the Password field, the following error popped up: `*MISSING: ae.sessions.jmssession.createJndiConnectionSpec.decrypt_p assword. error.message`
5.7.0	TADT-4 (1-AXZ1VY)	If a Subscription Service was configured using the JMS topic transport type, durable delivery mode, and default durable name null, an exception occurred in run time when this configuration was used to communicate over TIBCO Enterprise Message Service.
5.6.2	1-9KO7KD	The TIBCO Designer Add-in could not create a TIBCO ActiveMatrix BusinessWorks project in the workspace after the Japanese MUI pack for TIBCO ActiveMatrix BusinessWorks was installed.
5.6.2	1-AA9X95	Deleting a resource from a project under CVS failed.
5.6.2	1-ABQZAG	The interface for the Scriptable RCS Adapter was not correctly updating the UI menu items for some RCS activities.

Closed in Release	Defect #	Summary
5.6.1	1-97Y9Y4	TIBCO Designer failed to fully write the local cache to the `.tibco-dav` folder and consequently failed to open a project from TIBCO XML Canon.
		To address this issue, you may need to add the following property to the `designer.tra` file and increase the timeout `<N>` to a value greater than 40. For example, for a very slow connection, you may want to replace `<N>` with 1200.
		1. Open `{TIBCO_HOME}/designer/5.6/bin/designer.tra`.
		2. Add the following lines just above the

		`"*** Do NOT modify beyond this line ***"` banner:
		`# Adds the time-out flag to the TIBCO WebDAV connector`
		`# Uncomment the following property to change the default`
		`# timeout (40 seconds) to <N> seconds.`

		`java.property.com.tibco.xmlcanon.davstore.timeout=<N>`
		3. Restart TIBCO Designer after modifying the property.
5.6.1	1-9Q75AH	(SUSE Linux Enterprise 10.2 Only) The New Palettes Loaded panel was hidden behind the TIBCO Designer panel, which blocked the starting of TIBCO Designer.
5.6.0	1-87RUH9	If `base.xsd` in a project contained an element that was redefined in `redefine.xsd`, and only `redefine.xsd` was referenced directly in the project, then `base schema` would not be included as a dependency in Enterprise Archive > Shared Archive > Dependencies (Resources). Consequently, the created project EAR file did not contain `base.xsd` and only `redefine.xsd`.
5.6.0	1-8KWJMP	Compatibility with TIBCO BusinessWorks, TIBCO Designer, TIBCO Hawk 4.7 and TIBCO Runtime Agent 5.5.x
		When Rendezvous 8.x, TIBCO Hawk® 4.7 (or older), TIBCO Designer™ and TIBCO BusinessWorks ™ coexisted on the same host computer, an OpenSSL version mismatch prevented correct operation of Rendezvous activities within BusinessWorks processes running in the Designer debugger.
5.6.0	1-8WCB7G	After choosing Multi-User > Project > Synchronize Project in a CVS project, the updated resources in the project could be changed.

Closed in Release	Defect #	Summary
5.6.0	1-8AF8EB	TIBCO Designer did not recovery memory when configuring a Service Activity in Service plug-in at design time.
5.6.0	1-86QBXB	When opening a previous version of a project in TIBCO Designer, a spurious Unicode character was displayed in the pop-up window.
5.6.0	1-8GSSK1	If using JMS as transport for a TIBCO Adapter for MQSeries project, selecting JNDI Lookups for DefaultJmsQueueSession, and supplying global variables for Provider Context Factory, an error occurred while creating the JNDI initial context.
5.6.0	1-62H72P	If a reserved word was used as a global variable, the `Duplicate NameValuePair` error occurred.
5.6.0	1-87LUOL	The text in the Multi-User > View RCS Info for Resource dialog was not read only.
5.6.0	1-5I8JW9	The `buildear` command failed to create an EAR file for adapter projects, because the `CUSTOM_CP_EXT` and `CUSTOM_PALETTE_PATH` properties in `buildear.tra` were not updated with the adapter palettes.
5.5.2	1-61NEOX	In the Generic Adapter Configuration resource, if a GenericSession session was configured to use JMS, and Connection Username and Connection Password were specified, then the Test Connection button in this session would not work.
5.5.2	1-78SMQT	If an XSD contained a relative path for its schema location (either "./" or "../", the software would fail to resolve the schema reference when building the EAR file and throw a java.lang.NullPointerException.
5.5.2	1-7CHNBO	Opening an imported XSD schema in the software caused a stack overflow, and consequently the relationship map did not show up.
5.5.2	1-7UZRJD	The Project > Reopen sub-menu in the menu bar did not display Japanese characters correctly.
5.5.2	1-7UZRJW	Within the Japanese locale, the "Bad Directory?" warning window (in Japanese) did not fit the desktop and its warning message was truncated at the bottom.

Closed in Release	Defect #	Summary
5.5.2	1-7WVN2A	The software was incompatible with BusinessWorks 5.3.x on Linux. It hung on the TIBCO logo when loading the palettes after BusinessWorks 5.3.x was installed.
5.5.2	1-81XTY1	The software would freeze if you tried to rename an adapter resource in a multiuser project that was maintained by Rational ClearCase or Microsoft Visual SourceSafe.
5.5.2	1-833TFE	Some ActiveExchange schemas created in TIBCO IntegrationManager could not be imported into the software in the ae-xml format.
5.5.2	1-84934X	On Windows Vista, the software's File Chooser Dialog would not show up.
5.5.1	1-3C4TOV	When opening a project, if the project path contained a leading space character, the project would not open. For example, TIBCO Designer would not open " `c:\temp\myproject`" (leading space) but would open "`c:\temp\myproject`".
5.5.1	1-3CF8J0	When opening a project that took a long time to load, TIBCO Designer would not provide a visual indication that it was working. This has been fixed to display in hourglass in such cases.
5.5.1	1-6ZGBKN	The adapter tester did not include global variables in the generated design-time library dat file.

5.5.1	1-70Q9YC	When using TIBCO Designer to load trusted certificates using Tools > Trusted Certificates > Import in PEM format, if there was a "/" in the certificate common name, Designer would not import the certificate and would throw an error similar to the following:
		`java.lang.IllegalArgumentException: Child resource has null name at`
		`com.tibco.ae.designerapi.DesignerGroupResource.checkResource (DesignerGroupResource.java:688)`
		`...`
		`at java.awt.EventDispatchThread.pumpEvents (EventDispatchThread.java:137)`
		`at java.awt.EventDispatchThread.run(EventDispatchThread.java:100)`

Closed in Release	Defect #	Summary
5.5.1	1-63A6FN	Project validation could not be enabled or disabled using the buildear utility. This has been fixed. The -v flag can be specified for buildear. If errors are encountered the EAR file will not be created. Warning messages are allowed and will not prevent the EAR file from being created.
5.4.0	1-6M617W	When a design-time library was built, a global variable defined under a global variable group was not included in the design-time library even if it was referenced within the resource.
5.4.0	1-393V8P	A StringIndexOutOfBounds exception would occur when using an SSL Connection with TIBCO Enterprise Message Service.
5.4.0	1-6VBKZZ	The Select a File Alias window was missing a scrollbar.
5.4.0	1-712HUA	TIBCO Designer 5.3 was slow and would sometimes hang when a large number of TIBCO BusinessWorks process definitions or adapter configurations (200+) were defined • and you saved using File Sharing (especially in a mapped folder of a remote machine) or in CVS. • while loading the project using File Sharing or the CVS option.
5.3.0	1-404M4H	A ClasscastException was thrown when you tried to export a full project to an administrator server, with a name that already existed.
5.3.0	1-4DJ3YD	If you saved and closed a project for an adapter configuration such as TIBCO Adapter for MQSeries that contained a service, reopened the project and changed the transport, then saved and closed the project, the project would be corrupted when attempting to reopen it.
5.3.0	1-4MVOVE	When exporting a project to a dat file using TIBCO Designer 5.2, some scalar elements were missing in the exported .dat file. As a result, an adapter such as TIBCO Adapter for COM would not start.
5.3.0	1-5K6RWL	When using the XML Canon DAV Plug-in for TIBCO Designer 5.2, when no change was made after checking out resources and then synchronizing, the resources appeared as locked (non-editable). When a change was made after checking out a resource and then synchronizing, only the changed resource was editable and other resources were locked (non-editable).

Closed in Release	Defect #	Summary
5.3.0	1-5PB33C	When using the XML Canon DAV Plug-in for TIBCO Designer 5.2, after synchronizing and checking in resources, then closing the project, you could nor reopen the project. Note that this defect is related to defect 1-5K6RWL above.
5.3.0	1-5MX5YH	When using the XML Canon DAV Plug-in for TIBCO Designer 5.2 and adding files or folders or importing a folder that contained files, when deleting a file from TIBCO Designer and saving, a null pointer exception occurred.
5.3.0	1-5MX5YZ	When using the XML Canon DAV Plug-in for TIBCO Designer 5.2 and opening a project from XML Canon and adding a library builder or deployment descriptor, then building an EAR file, when saving an error would result indicating that "somehow an unknown resource has already been added".
5.3.0	1-5PI9NW	When using the XML Canon DAV Plug-in for TIBCO Designer 5.2, a project could be opened by a user who did not have permissions for the project.
5.2.1	1-3VRI3V	Leading space characters in a schema's extended properties Name field were truncated.
5.2.1	1-3X0ZUC	When importing a .dat file that contained a Timer resource, the Interval field would not display the value set when the project was configured.
5.2.1	1-3R9ONC	When using Clear Case on a UNIX system, you could not create or modify projects.
5.2.1	1-3YMEXB	When validating a project for deployment, the validation reported `No subject defined` for a publication service that used Rendezvous even though the subject was correctly defined.
5.2.1	1-4DDAEK	An illegal character error would display at validation if a subject was created using the `%%InstanceId%%` global variable.
5.2.0	1-25UQX5	Korean characters were not handled correctly when running TIBCO BusinessWorks in test mode in TIBCO XML Canon.
5.2.0	1-2CEIA3	Korean characters did not display correctly in the Wait for Rendezvous Message and Publish Rendezvous Message activities.

Closed in Release	Defect #	Summary
5.2.0	1-1SX8BP	The Select Previous Resource button is now working properly. If you had step into a subprocess, clicking on this button will take you back to the calling process.
5.2.0	1-1X8CB9	TIBCO Designer no longer freezes while accessing some XML files using the Turbo Palette.
5.2.0	1-2220RX	The timeout field in PVCS Revision Control plugin did not allow a value greater than 30 seconds to be saved.
5.2.0	1-1YELC5	After exporting schema as XSDs, sometimes some of the XSDs generated from TIBCO Designer were not complete.
5.2.0	1-1XZ6Z3	Service level global variables defined for TIBCO Adapters were not included in the generated enterprise archive file.
5.2.0	1-1XZ6ZJ	In some scenarios, a java.lang.ClassCastException exception occurred when creating an enterprise archive file.
5.2.0	1-1DWSQ1	On UNIX, launching the browser from TIBCO Designer failed if the group id of the user running TIBCO Designer was not the same as the group id of the browser executable.
5.2.0	1-1AYU51	If you exported a full project choosing local repository (from Project->Export Full Project menu), then changed the quality of service for a publication service, the Session Reference field was not updated and no endpoint was created in the Sessions folder.
5.2.0	1-1AJMBE	Locking a resource property (that is already part of the document) did not mark the resource dirty in the document. Locking a resource (that is already part of the document) to its parent did not mark the parent dirty.
5.2.0	1-1OHZNK	TIBCO Designer prompted for a version comment twice. Once when selecting "Add Resource to RCS" and another time when selecting "check in changes".
5.1.3	1-1AL3B5	Certificates and identities used by a TIBCO BusinessWorks process were not always included. The archive was created properly the first time, but if the project was closed and re-opened, the Shared Archive no longer had the BW Certificates and Identities under Dependencies.

Closed in Release	Defect #	Summary
5.1.3	1-179XC9	When you exported a project as a local or server repository, Global Variables were not exported if the name of the exported file was the same as that of the project from which it is being exported.
5.1.3	1-16FRYU	The `Check Out failed` error displayed when checking out a project folder from RCS under some circumstances.
5.1.3	1-175TVX	The lock icon now displays correctly on all resources checked in the project.
5.1.3	1-184CWO	A Shared Archive now shows the selected Trusted Certificates in the Dependencies tab and includes the certificates in the Enterprise Archive if the SSL configuration is old.
5.1.3	1-17UONG	User comments given during initial check-in are now seen in VSS.
5.1.3	1-YNLI7	New Projects can now be created using the Designer 4.*x* aetemplate files.
5.1.3	1-13GEQ1	When an adapter instance is copied and pasted, default subjects are now getting regenerated to reflect the new adapter configuration name.
5.1.3	1-UONO5	You can now import an exported adapter instance into a project that already has an adapter instance with the same name as the one that is being imported (but is a different adapter configuration).
5.1.3	1-18OEBD	Under some circumstances, Validate Project for Deployment displayed a message that the schema was not defined even though it was defined.
5.1.2 HF1	1-1ACGAC	Adding an image resource of type JPEG now works.
5.1.2 HF1	1-1F065T	Defect fix to support TIBCO BusinessWorks Workflow.
5.1.2 HF1	1-1F2BES	An EAR file is now created correctly even if the SAR is completely empty
5.1.2 HF1	SR:1-1FUHRQ	Importing to TIBCO Designer has been fixed.
5.1.0	1-TMA23	You need to manually set the SHLIB_PATH before you start Designer.

Closed in Release	Defect #	Summary
5.1.0	1-K1J0W	Conversion of a multi-file project to a `.dat` file fails if the `.dat` file has the same name as the multi-file project.
5.1.0	1-K5CWB	When you convert a multi-file project to a `.dat` file, you must include the `.dat` extension with the file name. If you don't, a `StringIndexOutOfBoundsException` is displayed.
5.1.0	1-JKSQ0	It is possible to reopen a project that is managed by a TIBCO Administrator Server using security. Username and password are not required.
5.1.0	1-I19XV	Custom Palette: On Unix platforms right-click is not available, so it is not possible to use the "Lock Properties" and the "Deletion" features for a specific resource in the user-defined palette.
5.1.0	1-KZVYP	A directory structure /tibco/private/adapter/GAC is created when a single-file project is converted to a multi-file project. This happens if the `.dat` file contains a Generic Adapter Configuration in a folder.
5.1.0	1-LI8VD	Assume you open a local repository project and convert it to a multi-file project. If you then make additional changes to the project, an "Error During Save" dialog is displayed when you attempt to save the project again.
5.1.0	1-IDXKG	Designer fails to open a project from the RCS repository if the project is not on local disk already.
5.1.0	1-IACEG	Conversion multi-file project to single-file (dat file) project fails when the source project was RCS-based created.
5.1.0	1-JPVQS	After deleting a resource and then reverting the changes, the button "Undo Changes" remains enabled and does not perform any action.
5.1.0	1-JQW1X	Clicking the "Cancel" button of the convert dialog box throws NPE exception in the console.
5.1.0	1-KAU1B	When you drop a resource from a custom palette in a locked folder a NPE exception is thrown.
5.1.0	1-LIND0	Cannot save a project if the root folder is locked after creation of a custom palette.
5.1.0	1-LBX29	Conversion Multi-file to Dat (or Save As Dat) fails if the Multi-file project has GV name with blank space.

Closed in Release	Defect #	Summary
5.0.1	1-L0H6V	Synchronizing a new resource from VSS throws `IndexOutOfBoundException` in the console.
5.0.0		It was not possible to drag and drop scalars, unions, sequences, etc. into a class type.

Known Issues

The table in this section lists known issues in this release.

Defect #	Summary/Workaround
DSNR-3703	**Summary** The newly added XML source in XML Schema cannot be saved as both **Save and Apply** button are disabled in TIBCO Designer. **Workaround** Click the **REPARSE** button to parse the source. Check for errors and then enable the **APPLY** button.
1-AEOC0C	**Summary** When you rename or delete a folder resource from a project under CVS, errors are reported in the console log. **Workaround** Use CVS utilities to explicitly delete the folders.
1-AERLKT	**Summary** Scriptable RCS issue. Deleting the global variable groups from SVN fails. **Workaround** Use rcs utilities to explicitly delete the global variable group files.
1-9L89QN	**Summary** (UNIX Only) TIBCO Adapter products do not start in the TIBCO Designer tester. **Workaround** Un comment the `tibco.env.PATH` property in .tra files under the *TIBCO_HOME*/designer/*version_num*/bin directory and restart the TIBCO Designer tester.

1-92M35P	**Summary** When deleting a resource from a Scriptable RCS adapter on Solaris and HP-UX platforms, TIBCO Designer freezes.
	
	Workaround Add the following properties to the *TIBCO_HOME*/designer/*version*/bin/designer.tra file.
	`java.property.designer.rcs.autosave.deletes=true`
	`java.property.designer.rcs.autosave.reverts=true`

1-90NPLA	**Summary** The scriptable RCS adapter doesn't support the Multi-User > Project > Synchronize Project operation. **Workaround** None.
1-8XLMYX	**Summary** .After upgrading from a prior TIBCO Runtime Agent 5.5.x release on Windows, a process that uses TIBCO Rendezvous over SSL will fail when using TIBCO Designer Tester. **Workaround** Modify `designer.tra` by placing `%RV_HOME%/bin` in front of `%CUSTOM_PATH%` in `tibco.env.PATH`.

Defect #	Summary/Workaround
1-90NPFA	**Summary** If the **AESchema** folder is locked in a revision control system project, the items inside the **AESchema** folder will not be updated accordingly when you configure an adapter in the project. **Workaround** Check out AESchema from your revision control system before configuring the adapter.
1-1DAA89	**Summary** (UNIX Only) TIBCO Adapter products throw an error when using the Adapter Tester in TIBCO Designer because the `tibco.env.PATH` and `tibco.env.LD_LIBRARY_PATH` entries are not in the *adapter*`agent.tra` file. **Workaround** Include the `tibco.env.PATH` and `tibco.env.LD_LIBRARY_PATH` entries in the *adapter*`agent.tra` file.
1-1DBI4X	**Summary** TIBCO Designer will not run on HPUX platforms without setting the `SHLIB_PATH` variable to include the path to JVM before starting TIBCO Designer. **Workaround** Before starting TIBCO Designer, modify the `SHLIB_PATH` variable to include the path to JVM. For example: `setenv SHLIB_PATH $SHLIB_PATH:$JVM_LIB_DIR/hotspot:$JVM_LIB_DIR` The example value of `$JVM_LIB_DIR` -- is *TIBCO_HOME*/`jre`/*version*/`lib/PA_RISC2.0`.
1-1T1NBF	**Summary** The Project tree does not refresh properly while reverting a PVCS project recursively in TIBCO Designer. **Workaround** None.
1-1TTJML	**Summary** TIBCO Designer exits or crashes after installing ClearCase and clicking the Browse button in TIBCO Designer GUI on Windows platforms. **Workaround** Apply the ClearCase patch p2002.05.00.NT-26 from IBM.
1-1WGAXN	**Summary** New resources cannot be removed from an ClearCase project before checking out the project in TIBCO Designer. The error message "`The drop target is read only`" displays. **Workaround** None.
1-3D7UPD	**Summary** The error message "`Read-only error during save`" displays when saving a revision control system project without checking out all the project elements in TIBCO Designer. **Workaround** None.

Defect #	Summary/Workaround
1-3DEM4P	**Summary** For a ClearCase or PVCS project, the Add to RCS and Version Comment dialogs display at the same time when adding a global variable group to a revision control system in TIBCO Designer. **Workaround** None.
1-6B5Q5D	**Summary** If checking the Filter out unused global variables check box in the Import - Options dialog when importing a project, the global variables in the Advanced tab are filtered out. **Workaround** None.
1-314ZOO	**Summary** The tool tip in TIBCO Designer flickers too rapidly. **Workaround** Add `java.extended.properties sun.java2d.noddraw = true` to the `Designer.tra` file.
1-IACFN	**Summary** When deleting a Revision Control System project, the `com.tibco.objectrepo.OperationFailedException` may occur. **Workaround** None.
1-JDY7I	**Summary** For a Perforce project, the `file(s) not opened on client` and `file(s) up-to-date` messages are displayed in red instead of in black in TIBCO Designer console. **Workaround** None. Font colors do not necessarily indicate errors. TIBCO Designer displays fonts in colors used by the source control system.

Defect #	Summary/Workaround
1-6NHJ8D	**Summary** When using the TIBCO Designer `validateproject` utility, the validation sometimes fails even though there are no errors in the project. An error message similar to the following appears: ``` Starting up... Validating project... Found 2 errors and 0 warnings **** <Unknown Category> **** Error During Validation: There was an unexpeceted error during validation. java.lang.NullPointerException: java.lang.NullPointerException . . . com.tibco.ae.tools.designer.cmdline.ValidateProject.execute(ValidateProject.java:120) at com.tibco.ae.tools.designer.cmdline.ValidateProject.main(ValidateProject.java:20) ``` The problem can also occur when validating a project that was loaded when the Preferences dialog, Startup Options section, Load full project option was cleared. **Workaround** Use TIBCO Designer to validate the project, but before loading the project ensure that the entire project is loaded: 1. In TIBCO Designer, click Edit > Preferences. 2. Under the General tab, Startup Options section, select the check box next to Load full project. 3. Click OK and load the project to validate.
1-789YZ5	**Summary** If the Regional Options language (set on Windows using Control Panel > Regional and Language Options) is set to a language other than English, after opening a project in TIBCO Designer with Visual SourceSafe, the Revision Control System (RCS) options are disabled. **Workaround** Set the Regional Options language to English and the RCS options will be enabled within TIBCO Designer.

Defect #	Summary/Workaround
1-3DEM4P	**Summary** On Unix systems, for the Clear Case and PVCS revision control systems, the Version Comment and Add to RCS dialogs display at the same time when adding a global variable group. The Version Comment dialog display first and then the Add to RCS status dialog displays. Because the Version Comment dialog is hidden behind the Designer main window and only the Add to RCS status dialog is visible, you cannot access the Version Comment dialog, which must be used before Designer can continue. **Workaround** Drag the dialog boxes to one side until the Version Comment dialog is visible. Enter a comment and click OK.
1-3LD5W8	**Summary** On AIX and HP-UX platforms, after creating or opening a project and then selecting a resource from the project tree, the resource name is not visible in the project tree. **Workaround** Click a different resource name and the hidden resource name will appear.
1-4XWTAX	**Summary** When adding a global variable group to the PVCS revision control system, the Global Variables dialog becomes blank. The operation, however, succeeds. **Workaround** To view the variables, close the dialog and reopen it.
1-2TCUKR	**Summary** The MUI JA files for adapters are installed in the wrong location. **Workaround** The MUI JA files are installed in *\<install-path\>*\tibco\tra\5.4\lib. Move the files to *\<install-path\>*\tibco\tra\5.4\lib\palettes.
SR-1-1G4B2H	**Summary** If you use TIBCO Designer 5.x, then return to using TIBCO Designer 4.x, and try to use a server-based project, you will get an error: "Designer was unable to load the names of available projects". You cannot continue with your work. **Cause:** The timeout has changed from milliseconds (4.x) to seconds (5.x) and the connection times out immediately because the same preference file is used. **Workaround** Select the 4.x server-based project and change the timeout under Advanced Settings.

Defect #	Summary/Workaround
1-E3VSP	**Summary** Adapter services which existed in a 4.1.x file, are not displayed in Designer 5.1. **Workaround** Go to the menu **GAC > Create Services from Unassociated Endpoints** to create the services.
1-144JPD	**Summary** The Cut/Copy/Paste menus commands are not enabled for all resources under XML tools palette. **Workaround**: None.
1-HZTIU	**Summary** A NPE is thrown when you try to lock the properties of an Adapter Service. **Workaround** The exception is harmless. Just proceed.
1-1LCFOP	**Summary** L10N: Many error messages are not externalized. **Workaround** None.
1-144JPD	**Summary** Cut/Copy is not enabled for all resources under XML tools palette. **Workaround** None.
1-XWB0P	**Summary** If you try to import a certificate file which has chain of certificates, this tool splits them to separate certificates. But at the client side we need to have whole chain of certificate and there is no way to select more than one certificate. **Workaround** None.