



Release Notes

Note: Before using this information and the product it supports, read the information in "Notices" on page 25.

First Edition (August, 2005)

This edition applies to IBM® Workplace™ Designer 2.5, and to all subsequent releases and modifications, until otherwise indicated in new editions.

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Installation, migration, upgrade, and configuration information

Installation notes

Incorrect values for cell and node displayed during install

During install, the user is asked to provide the cell and node names. Typically, these are just the hostname of the computer. However, these values default to the fully-qualified hostname (e.g., hostsystem.ibm.com) when the value should actually be the hostname excluding the domain (e.g., hostsystem).

Install produces "Invalid Directory" error in Rich Client path

If you encounter this "Invalid Directory" error, specify the root directory name of IBM Workplace Rich Client

"Invalid Server" error entering fully-qualified domain node name

if you encounter this "invalid Server" error, find the correct cell and node names in the <WCS/WSE>/AppServer/config directory.

Known limitations, problems, and workarounds

Limitations

'Save As' function in Form editor not working

The "Save As" function for the Form editor (available from the context menu and File menu) is not working in the current release of Workplace Designer.

Accessibility: CTRL+F10 fails to show view menu in shelf Part

In the Data Navigator and UI Control View, using standard CTRL+F10 Keyboard commands doesn't display the view menu part.

Accessibility: Jaws is announcing a table as a list box

Access privileges are not being read as a table by Jaws; instead, the table is being announced as a list box. This is a Jaws issue, and can be considered a third-party defect.

Color Palette is not accessible

Designer is using the standard SWT color palette which ultimately uses the one coming from the Windows OS, which is not accessible.

Directory searches do not support wildcards

The current version of the IBM Workplace Designer Directory Service package does not support regular expressions in search filters (e.g., wildcards).

Discussion Sample App: Inconsistent no. of items listed in page

On pages with hierarchical views of discussion topics, more topics may be displayed than is expected. This is due to Response documents of topics being displayed, which are not counted towards the total desired topic display count.

Error dialog created by Eclipse is not accessible

Whenever Designer can, it uses its own version of a dialog that is solving the issue. But in this case, the message dialog is thrown by Eclipse automatically without Designer being able to intercept it. This is related to a broader Eclipse limitation where the Image in a standard Eclipse message dialog does not contain Alt+Text information.

Note: For this specific issue, the error is expected to be fixed in a subsequent release.

Exported component renaming

If you need to import a component that was recently exported, the name will need to be changed; otherwise, a "File already exists" error will be displayed.

There cannot be duplicate component names.

Form with a background image is not shown on the server

The option to create an image as a form background is not available.

Non-Visible UI Control Label is shown at runtime

This issue occurs as in the following scenario:

- Create a new form
- Insert a control
- In the 'Basics' properties set Visible to "False".

Deploy the component and, at runtime, the Label for the control appears.

Richtext control with "Store as Attachment" shows no filename

If a richtext control is placed on a form with the 'Store as Attachment' option checked on the Basics tab, you must also specify a filename, or else a deployment error will occur when the user deploys the component. The UI currently allows the user to not specify a filename.

You must specify an attachment file name to deploy with the 'Store Data as Attachment' option.

Standard Eclipse pop-up is not read correctly by screen reader

The standard Eclipse pop-up that allows view and perspective navigation control (CTRL+F6 / CTRL + F7) is not read correctly by screen reader; this is an Eclipse bug that should be fixed in the next release.

Standard Eclipse progress bar not being read by screen reader

The standard Eclipse progress bar status is not being read correctly by screen reader; this is an Eclipse bug that should be fixed in the next release

Title area of standard Eclipse Preference page

The Title area of the standard Eclipse Preference page is not responding to font changes, and is using a hard-coded image as a background. This is an Eclipse bug that should be fixed in the next release.

Truncation occurs in some dialog boxes in high contrast settings

Truncation occurs in some dialog boxes when high contrast settings are used. This is caused by an Eclipse dependency, and is expected to be fixed in the next release.

Wrong icon when Designer and Managed Client both open

When both IBM Workplace Designer and IBM Workplace Managed Client are open, the wrong icon displays in the IBM Workplace Designer tab. This is an issue with Eclipse.

"Import Documents" from Import Domino form not supported

The ability to import documents from the Import Domino form is not available in this release.

Known problems and workarounds**Background/Border not showing for check box and radio button**

The background color and border is not displaying for checkboxes and radio buttons in Mozilla and Firefox. This can be considered a third-party defect:

https://bugzilla.mozilla.org/show_bug.cgi?id=183247.

https://bugzilla.mozilla.org/show_bug.cgi?id=150176

Border formatting changes not appearing in deployed apps

When you create a component, add a control, click the Format properties tab, then set border properties for the control, those border properties are not appearing when the component is deployed and viewed as an application.

Border not appearing for images in deployed apps

When you add a border around an image control, the border is not appearing when the component is deployed and viewed as an application.

Cannot copy and paste a view control

In the current release, you cannot copy and then paste a view control either on the same form or onto a different form.

Cannot create schemas with multiple root elements

Designer does not handle schemas with multiple root elements properly.

Cannot delete a control just dragged to the form

After dragging a control from the Control Palette area to the form, the Palette will retain focus. To give keyboard focus to the form, either click in the form or on the form's table; you will be able to delete the control you just created.

An alternate way to create controls using the palette, that does not leave focus in the palette, is to click on the control you wish to create, and then click on the form where you wish to put the control.

Cannot import a Domino database with non-ASCII chars

Domino databases containing non-ASCII characters cannot be imported. Rename the Domino database .nsf file to some other name, and then import the database.

Component fails to run when running on a Linux/DB2 server

When running a component on a Linux Workplace Server with a DB2 database, you may encounter an error that looks like this:

```
IBM Workplace Designer Runtime Error
```

```
com.ibm.workplace.designer.docdb.TDBException : Document id '3f7dbac2f4ee3'  
does not exist in database 'ProjectManager_pop'
```

```
Java runtime exception
```

```
XSP Page name : DepartmentProjectStatus
```

```
HTML Tag ID : XSP_7_0_12L_XSPPageContainer0
```

```
XSP Bean :
```

```
com.ibm.workplace.designer.xsp.components.XSPBeanXmlDocument/document
```

```
XSP Event : com.ibm.workplace.designer.xsp.event.MainHtmlEvent
```

This may be due to a missing DB2 JAR file (db2jcc.jar). To correct the problem, do the following:

- Log into the WAS admin console
- Navigate to Servers->Application Servers->WebSphere_Portal->Process Definition->Java Virtual Machine
You should see a Classpath property that already contains a path to db2java.zip. Add an entry for db2jcc.jar in the same directory as db2java.zip
- Restart the server

DB2: Deleting many designer documents fails

Deleting a large number of documents can fail if the DB2 transaction log is full. The error will look something like this:

```
Exception while while calling method DBDatabase.removeAllDocuments()  
Error while removing all documents from database 'WorkloadTestRig'
```

```
The transaction log for the database is full.  SQLSTATE=57011
```

This can be resolved by increasing the size of the DB2 transaction log using the following:

- DB2 connect to <database> user <username> using <password>
- DB2 update db cfg for <schema_name> using LOGFILSIZ <new_log_file_size>

Deleting a component does not always remove it from Comp Nav

Sometimes when you delete a component, the component will not be removed from the Component Navigator. This is an intermittent problem.

To work around this issue, restart Designer, at which time the deleted component no longer appears in the Component Navigator.

Deployment error message is too general when bad username

When there is an authentication error during deployment (e.g., caused by a bad Workplace username), a generic error message is displayed requesting that the user see the error logs for details; this error message will be made more specific in a later release.

To determine whether the error is caused by a bad username, please look in the error log for the server response text (in XML format) which describes the deployment error.

Designer Runtime install UI does not default to WSE

With WSE installed, starting the Designer Runtime install UI, the field "Installation location of IBM Workplace Collaboration Services Server" does not default to the actual installation location of 'WorkplaceServicesExpress'.

Workaround

Manually enter the WSE installed location in the above field.

Designer Table added to a form does not display

A table on its own is just a layout, and does not have any visible areas. If there is no border set on the table, or if there are no controls put inside the table, it would not be displayed in deployed applications.

Workaround

Set the border on the table, or put controls in the table cells.

Discussion Sample App: Author field on Response doesn't change

When filling out a Response document to a topic in the discussion database, the Author field may not get appropriately set.

Discussion Sample App: Large file attachment error

Based on the way the web server is configured, users may experience errors when uploading very large files using the File Upload control.

Don't place two instances of the same component on the same page

Two instances of the same Designer component placed on the same page will cause navigation problems when editing or viewing documents.

Edit box needs binding for default value to work

Default value for an edit box is not working when the edit box is not bound to a schema field; a schema field is required for this to work.

Fonts set in Designer are not seen in the deployed apps

If any font set for any control in Designer is not available in the Client machine where the Portlet page is seen, then the target browser (Client browser) will substitute its own default font.

Importing the sample applications

There are no instructions for how to import the sample applications into Workplace Designer.

Workaround

Perform the following steps to import the sample applications into Workplace Designer:

1. Click File > Import > Component.
2. In the Import Workplace Component dialog box, click Browse.
3. Navigate to one of the following directories:
 - [WMCInstallDir]\applications\eclipse\plugins\com.ibm.workplace.designer.sampleApps_1.0.0\sampleApps (Microsoft® Windows®)
 - [WMCInstallDir]/applications/eclipse/plugins/com.ibm.workplace.designer.sampleApps_1.0.0/sampleApps (Linux™).

Note: [WMCInstallDir] is the directory where the IBM Workplace Managed Client is installed.

4. Select one of the following .JAR files, and then click Open.

ProjectManager.jar
DiscussionDatabase.jar
ContactList.jar
Blog.jar

5. Click OK.

Installer reports success, but logs indicate failures

If you are seeing failures indicated in your log files after the installer has reported a successful installation, please look at the InstallLog[1-5].txt and InstallErr[1-5].txt files in the Designer directory. If you don't see "Application LWP_Designer_Runtime installed successfully" at the end of InstallLog5.txt, it means that deployment of the Designer .ear file has failed. Manual deployment may be necessary

Link Control in runtime gives error when URL option is selected

If the link control references is a website link (URL), then the standard, accepted way for entering the URL is of the format http:// or ftp://. Also, if the referenced file exists in the workspace, the absolute or relative location of the file can be entered.

Linux: "Select a directory" dialog in install does not work

When using an InstallShield implementation, to select /opt/WebSphere, you need to open the /opt directory, select WebSphere, and click Open.

If you open /opt/WebSphere, and enter "WebSphere" in the filename field, the InstallShield mistakenly believes you have entered "/opt/WebSphere/WebSphere", which does not exist.

Mozilla: Borders not displayed for Rich Text in deployed apps

In deployed applications, borders are not appearing properly at Runtime for Rich Text Control, in Mozilla and FireFox; in Internet Explorer, they are displayed properly.

Workaround

In Workplace Designer, set the height of the Rich Text control to be equal to or greater than 220px.

No properties available after creating a new control

When a new control is dragged-and-dropped onto a form, the Properties panel will display "No properties available." This is because the Controls palette still has focus. To view the properties of the control, click on the control or the window tab of the form, which will give the form focus.

This problem only occurs when you drag and drop a control on the form, not when you click the control in the palette, and then click on the form to create the control.

Proj Mgr Sample App- Delete buttons do not give a warning dialog

This issue applies to the Project Information/Project Edit page. When a user selects the checkbox next to the issue, and clicks the Delete Issue button, they may not receive a confirmation dialog.

Project Mgr Sample App: Intermittent runtime error

If a large component is imported and immediately deployed, a runtime error may occur. To workaround this problem, the importer should wait briefly for some Designer runtime import mechanisms to complete their cycles.

Project Mgr Sample App: Typo in the isForTesting field

When users answer "Yes" to the 'Application Is For Testing' query on instantiation of the Project Manager application, the resulting document autogeneration dialog prompt may refer to generating contacts instead of generating projects and issues.

Radio button without schema gives error in runtime

Placing a radio button on a form without associating the radio button with a schema element gives an error at runtime.

Workaround

Define a schema element for that radio button.

Sample-Blog-Admin role has Author role access instead of Editor

Users set up with Administrator rights instead of Author rights in a template or application which includes the Blog sample application may find their privileges restricted to Author access. Users with Author access are unable to edit blog properties or post new blog entries.

Script editor doesn't open via Error tab

Double-clicking an error on the Error tab for a form property script does not open the script editor where the error is located.

Script errors don't show in Error tab

Errors for scripts entered on the Data tab for Forms do not show up on the Error tab.

Scripting not being deployed

If your scripts are not being deployed to your server and your System.err file (located in your runtime workspace) is showing the following exception:

```
java.lang.ClassCastException:
com.ibm.workplace.des.formtools.ui.table.LWPTableControl
    at
com.ibm.workplace.des.formtools.ui.panel.XSPControlRuntimeFormatter.contribute
ToRuntimeFormattingSession(XSPControlRuntimeFormatter.java:60)
    at
com.ibm.workplace.des.ide.model.ide.provider.IControlModelItemProvider.contrib
uteToRuntimeFormattingSession(IControlModelItemProvider.java:1058)
    at
com.ibm.workplace.des.ide.model.ide.provider.IContainerControlModelItemProvide
r.contributeToRuntimeFormattingSession(IContainerControlModelItemProvider.java
:340)
    at
com.ibm.workplace.des.formtools.ui.form.layout.provider.ITableModelItemProvide
r.contributeToRuntimeFormattingSession(ITableModelItemProvider.java:488)
    at
com.ibm.workplace.des.ide.core.rtformat.BaseRuntimeFormattingSession.processMo
delPart(BaseRuntimeFormattingSession.java(Compiled Code))
    at
com.ibm.workplace.des.ide.core.rtformat.BaseRuntimeFormattingSession.processMo
delPartList(BaseRuntimeFormattingSession.java(Compiled Code))
    at
com.ibm.workplace.des.formtools.ui.form.layout.provider.IFormModelItemProvider
.contributeXSPToRuntimeFormattingSession(IFormModelItemProvider.java:1092)
    at
com.ibm.workplace.des.formtools.ui.form.layout.provider.IFormModelItemProvider
.contributeToRuntimeFormattingSession(IFormModelItemProvider.java:884)
    at
com.ibm.workplace.des.ide.core.rtformat.BaseRuntimeFormattingSession.processMo
delPart(BaseRuntimeFormattingSession.java(Compiled Code))
    at
com.ibm.workplace.des.ide.core.rtformat.BaseRuntimeFormatter.createRuntimeForm
at(BaseRuntimeFormatter.java:190)
    at
com.ibm.workplace.des.ide.model.design.PersistedEMFMediator.doSave(PersistedEM
FMediator.java:321)
    at
com.ibm.workplace.des.formtools.ui.form.design.FormPersistedMediator.doSave(For
mPersistedMediator.java:177)
    at
com.ibm.workplace.des.ide.model.design.DesignTimeModelController.buildModelIns
tance(DesignTimeModelController.java:211)
    at
com.ibm.workplace.des.ide.core.resources.LWPDBuilder.buildFiles(LWPDBuilder.ja
va:152)
    at
com.ibm.workplace.des.ide.core.resources.LWPDBuilder.fullBuild(LWPDBuilder.jav
a:102)
```

```

    at
com.ibm.workplace.des.ide.core.resources.LWPDBuilder.build(LWPDBuilder.java:76
)
    at
org.eclipse.core.internal.events.BuildManager$2.run(BuildManager.java:564)
    at
org.eclipse.core.internal.runtime.InternalPlatform.run(InternalPlatform.java(I
nlined Compiled Code))
    at org.eclipse.core.runtime.Platform.run(Platform.java(Compiled Code))
    at
org.eclipse.core.internal.events.BuildManager.basicBuild(BuildManager.java:157
)
    at
org.eclipse.core.internal.events.BuildManager.basicBuild(BuildManager.java:249
)
    at
org.eclipse.core.internal.events.BuildManager.basicBuild(BuildManager.java:202
)
    at
org.eclipse.core.internal.events.BuildManager$1.run(BuildManager.java:229)
    at
org.eclipse.core.internal.runtime.InternalPlatform.run(InternalPlatform.java(I
nlined Compiled Code))
    at org.eclipse.core.runtime.Platform.run(Platform.java(Compiled Code))
    at
org.eclipse.core.internal.events.BuildManager.basicBuild(BuildManager.java:232
)
    at
org.eclipse.core.internal.events.BuildManager.basicBuildLoop(BuildManager.java
:268)
    at
org.eclipse.core.internal.events.BuildManager.build(BuildManager.java:297)
    at
org.eclipse.core.internal.events.AutoBuildJob.doBuild(AutoBuildJob.java:155)
    at
org.eclipse.core.internal.events.AutoBuildJob.run(AutoBuildJob.java:212)
    at org.eclipse.core.internal.jobs.Worker.run(Worker.java:66)

```

then you have a corrupt cache registry file.

The path of this registry file, relative to the runtime workspace of the user, is ".config\org.eclipse.core.runtime\registry.1". Renaming or deleting the cache registry file will solve the problem.

Space taken by invisible rows

When you add Visible logic to a row in a table, the row data will be invisible, but the empty space will still be there in the table.

To simulate hiding the row, you can create multiple tables and add the row that needs to be hidden in a separate table. You can then set the Visible attribute as 'False' on that table and on any paragraphs between these tables. This would make the extra space go away.

Style category missing in Format of Form and UI controls

If any style category is missing in the list box of the Format tab for a control, check the selection of that particular style category in the Styles table shown in the Component format tab.

For example, click on the component name in the Component Navigator, then click on the Format tab; this tab allows the user to select which style categories should be shown for controls in this component.

Table background color not appearing in Designer

When you create a table, click the Format tab, and change the background color property, you cannot see the new background color when viewing the form in Designer.

Table font changes not immediately appearing in Designer

When you create a table, add text to it, then change font properties in the Format tab, the changes do not appear until you close and re-open the form.

Type validation is not working in edit/multiline edit box

Setting a schema type on an edit or multi-line edit control is not generating a runtime error message when an invalid type is entered into that control during runtime, and the subsequent submit event occurs.

Typing over highlighted form text does not remove the text

The normal behavior for a text editor is to delete highlighted text automatically when new typing occurs; the Form Editor, however, does not implement this behavior. The text needs to be deleted manually, using the delete key, before entering new text.

UI Control Styles preference settings are not applied

In the Designer preferences (File -> Preferences), the UI Control Styles preferences (Workplace Designer -> Forms -> UI Control Styles) currently are not applied, and have no effect.

1. The UI Control type when dragging an element from the Data palette to a form is always determined by what is set as the default in the schema, and the option to prompt for the control type has no effect.
2. Selecting a default layout and style for form Controls currently has no effect. To set a layout and style for a Control, use the Format tab on the control Properties after placing a control on the form.

UNIX - libraries.xml is not modified in a cluster

In UNIX installations, Java (JDK 1.3.1 and above) must be installed and included in the path.

Unwanted background color appears in FireFox

When you create a form with a panel, then deploy the component, a background color appears in the panel when viewing with the FireFox browser.

View - Column - Lookup data is not working at runtime

Under some circumstances, it may appear that using a view lookup for a column value does not work. This occurs when users do not have a sortable column in the view in which they are doing the lookup.

For example, if you are using a value in the current view to lookup a Zip Code field in a target view, the column that contains the zip codes in the target view should be sortable so the lookup can succeed.

"All users" access in Roles is not honored

When a Workplace Designer Built Collaborative Application is deployed to the Workplace Server, and after it is instantiated via Builder, then opened, the member page allows this selection: "Give All Users Access as: Contributor". This Public Access will not work; members of the Roles Contributor must be added individually.

@DbLookup() function usage

When using the @DbLookup function, the view needs to have at least one sorted column.

@Name() works in form; does not work in view column

As database deployment is done from the client side, some scripts that are relying on the Workplace API (like the directory) may not work. This is typically the case of @Name() which may call the directory API for some advanced features ([CN], [S], [G], [C], [O], [OU], [ABBREVIATE]).

Documentation updates

IBM Workplace Designer

Choosing a location for an exported component

The component export dialog allows you to either browse to a file system location and enter a file name, or manually enter an absolute path in the file name field. If you only manually enter a file (without browsing), or enter a relative path, the file will be placed in the last selected directory used for a component export or import. This is a convenience that allows you to quickly export several components in succession without having to browse to, or enter, a directory path each time.

However, if you have never exported, or imported, a component before, the last used directory defaults to a directory in your client workspace, so you should at least initially browse to a valid directory that you wish to export components to. The default initial export directory in the WMC client workspace is `C:\Documents and Settings\\IBM\RCP\\<user name>\.metadata\plugins\com.ibm.workplace.des.ide.ui`. For example: `C:\Documents and Settings\janedoe\IBM\RCP\723676099\janedoe\.metadata\plugins\com.ibm.workplace.des.ide.ui`.

Configuring Workplace Designer to use with i5/OS

The following information about configuring Workplace Designer to use with i5/OS is missing from the documentation:

Deploying an IBM® Workplace™ Designer component on i5/OS™ requires two additional steps that are not listed in the topics about deploying components. These steps include installing an additional JDBC driver and adding the appropriate database parameters to your deployment profile.

Take the following steps:

1. Locate the JDBC driver file called `jt400.jar` included with your i5/OS installation and copy it to the `designer_install\applications\eclipse\plugins\com.ibm.workplace.designer.corelibs_1.0.0\jdbc` directory, where `designer_install` is the Workplace Designer installation directory.
2. Ask your system administrator to use STRSQL to create a schema with the `CREATE SCHEMA schema-name` SQL command, where `schema-name` is the name of the schema. This is the schema that will be used with Workplace Designer.

Note: If you use CRTLIB to create the schema instead of STRSQL, you may get the following error message: `java.sql.SQLException: [SQL7008] table_name in database_name not valid for operation..` You can resolve this by enabling journaling for your library and the tables contained in it.

3. In your deployment profile, in the **Database** section, fill in the following fields:
 - a. In the **Type** field, select **DB2 iSeries**.
 - b. Leave the **Driver class** field blank. It will default to `com.ibm.as400.access.AS400JDBCdriver`.
 - c. In the **URL** field, type the URL of the form in this format: `jdbc:as400://host/schema`, where *host* is the name of the host and *schema* is the name of your schema.

For more information about i5/OS, see the IBM eServer™ iSeries™ Information Center at <http://publib.boulder.ibm.com/infocenter/iseries/v5r3/ic2924/index.htm>

Database must already exist before deploying a component

The topic "Databases" located in **IBM Workplace Designer > Data** is missing the following information:

Regardless of your database type, you or your administrator must create a database or schema (depending on your database type) to use exclusively with Workplace Designer *before* you can successfully deploy a component.

Date Picker option is missing in Help topic

The topic "Setting Parameter properties for components" in **IBM Workplace Designer > Components** is missing information in step 3d. Here is the corrected step:

Select whether the entry will be a **Edit Box**, **Combo Box**, or **Date Picker** (Date type only).

DB2 support for Designer

This release note details how Designer can be configured to deploy to IBM Workplace servers that use a DB2 database. This does not include instructions for DB2 on iSeries.

Additional Server Configuration

For DB2 UDB 8.2, some server configuration is required to add a JAR containing additional DB2 classes to the classpath. These classes are not included, so `.../ibm/sqllib/java/db2jcc.jar` needs to be added to the WAS system classpath. To do this:

1. Log into the WAS admin console
2. Navigate to Servers -> Application Servers -> WebSphere_Portal -> Process Definition -> Java Virtual Machine
3. You should see a Classpath property that already contains a path to `db2java.zip`. Add an entry for `db2jcc.jar` in the same directory as `db2java.zip`
4. Restart WPS.

Client-side (JDBC) Configuration

DB2 supports a number of JDBC drivers each of which requires slightly different configuration both in Designer client and on the server. One driver is a pure Java driver that communicates directly with a JDBC server that is collocated with the DB2 server. The other consists of both Java and native code and communicates with the DB2 server via client-side proxy. These are often referred as the "net" (or JDBC type 4) and "app" (or JDBC type 2) drivers respectively. There's also a 3rd driver called the "universal driver" which is not currently fully supported by Designer.

The "app" driver is typically preferred since its use of native code gives it much better performance, compared to the "net" driver. However, the "app" driver requires additional install and configuration steps on the client. It also contains native code which could potentially crash the JVM in certain error cases (although this is typically a rare occurrence).

It is recommended that you review the following for more background information:

[Connectivity cheat sheet for Application Developers \(Part 4\)](#)
[Hooking Up with IBM DB2 Universal Database Version 8 Using Java](#)

Configuring Designer to use the DB2 "app" driver

Designer uses the "app" driver by default when DB2 is chosen as the database type. The configuration steps are as follows:.

- **Install the DB2 Runtime Client.** This is available from the DB2 support site. The runtime client contains the native code for the "app" driver, as well as certain configuration utilities that must be run in order to "catalog" the remote databases. With the "app" driver, a remote database is referenced via an "alias" rather than directly via hostname/database name.
- **Configure the catalog.** Once the DB2 runtime client has been installed, you need to catalog the remote DB2 server to set up aliase(s) for the remote database(s). This procedure is documented in the "Hooking Up with IBM DB2 Universal Database Version 8 Using Java" link above..

Create the aliases. On the client machine go into the db2 command prompt by typing 'db2cmd' to open a command window and then 'db2' to enter the DB2 command interpreter. Run the following commands:

```
catalog tcpip node <anynodenameyouwant> remote <your_remote_server>
server 50000
catalog database <db_alias_name> at node <anynodenameyouwant>
```

The node name must be 8 characters or less. The node is just a local pointer to your remote database server. Name it, for example, "WPDES" for "workplace designer". Make sure you have the proper server name and domain for your server. If you did a default install of DB2, your server will be listening on port 50000.

If you get an error indicating that a node or database alias already exists, perhaps from a previous run, you can see what nodes and databases you have cataloged. From a DB2 Command Line Processor, run "terminate", close the old DB2 CLP window, and open a new one. Then execute:

```
list database directory
```

Check: After running this step you should be able to connect to the WPS50 database from your client machine. Bring up a DB2 command window and execute:

```
connect to <databasename> user <your_db2admin_acct> using
<your_db2admin_password>
```

- **Install the JDBC driver ZIP file in the Designer JDBC directory.** The JDBC driver ZIP is called db2java.zip and can be found in the DB2 install directory under ...\\sqlib\\java\\db2java.zip. Copy this file to the <designer_install>\\applications\\eclipse\\plugins\\com.ibm.workplace.designer.corelibs_1.0.0\\jdbc directory. It's extremely important that the zip file on the client and server match. Even a fixpack installed on the server can include a different version of the db2java.zip file.
- **Fill in the database parameters in the deploy profile.**
 Database: DB2
 Driver Class: This can be left blank. The driver class defaults to COM.ibm.db2.jdbc.app.DB2Driver.
 URL: The URL is of the form jdbc:db2:<db_alias_name> where the db_alias_name was configured using the "catalog" command above.

Configuring Designer to use the DB2 "net" driver

- **Install the JDBC driver ZIP file in the Designer JDBC directory.** The JDBC driver ZIP is called db2java.zip and can be found in the DB2 install directory under ...\\sqlib\\java\\db2java.zip. Copy this file to the <designer_install>\\applications\\eclipse\\plugins\\com.ibm.workplace.designer.corelibs_1.0.0\\jdbc directory. It's extremely important that the zip file on the client and server match. Even a fixpack installed on the server can include a different version of the db2java.zip file.
- **Ensure that the JDBC (a/k/a JDBC Applet Server) service is running on the DB2 server.** The "net" driver communicates with this server--not directly with the DB2 server. This service can be started by issuing the "db2jstrt" command on the DB2 server. By default, the service listens on port 6789.
- Fill in the database parameters in the deploy profile

Database: DB2

Driver Class: COM.ibm.db2.jdbc.net.DB2Driver

URL: The URL is of the form jdbc:db2://<host>:<port>/<dbname> e.g.,
 jdbc:db2://myhost.notesdev.ibm.com:6789/mydb.

Troubleshooting

The following is a list of possible errors you might encounter and their cause. You'll typically need to look a few levels into the stack trace in the "Details" pane of the deploy error dialog to find these errors.

Error	Possible cause
java.lang.UnsatisfiedLinkError:SQLAllocEnv"	You're using the "app" driver but you haven't installed the DB2 client runtime
Error connecting to socket or Error opening socket or CLI0615E Error receiving from socket, server is not responding. SQLSTATE=08S01	Make sure the JDBC URL contains the correct hostname and port. If you're using the "net" driver, make sure the JDBC Applet service has been started on the DB2 server machine.
CLI0621E Unsupported JDBC Server configuration.	The db2java.zip file you installed in Designer is incompatible with the DB2 server. Make sure you obtained the db2java.zip file from the DB2 server installation.

Deploying to a clustered server environment

The documentation does not provide details about deploying to a clustered server environment. See the release note titled "Deploying a component manually" for details.

Error in System requirements topic

The 'System requirements' topic lists "Microsoft Windows Mobile 2003" as one of the operating systems the Workplace Managed Client computer must have. This is incorrect, the "Microsoft Windows Mobile 2003" OS is not supported in the current release.

Importing a component and deployment

When importing a component, you have the option to "Preserve Deployment information" (default selection) or "Make a Copy". When you opt to preserve the deployment information, this allows whatever changes you make to the component to be immediately reflected on the server version when you deploy it. This, of course, assumes that the component has already been deployed on the server, perhaps by somebody you are collaborating with in the component design. If not, the option has no immediate effect. But it still may be very important to preserve the deployment info if you are collaborating with another designer who will be re-deploying the component **after** you initially deploy your version.

If you choose the "Make a Copy" option, a completely new copy of the component will be generated. It will be "disconnected" from any currently existing version of the component, deployed or not. So, when you deploy the component it will always create a completely new instance on the server, even if the original component was already deployed. This may be of use if you are, for example, using the imported component as a base for a completely different component.

Note: When selecting to "Preserve Deployment information", you can not change the name of the component. Since it is essentially a replica of the original component, the name must remain as-is. If you do attempt to change the name, the option to preserve deployment information will be disabled, and the "Make a Copy" option will be automatically selected.

Incorrect command in help topic about configuring DB2 app

The topic "Configuring Workplace Designer to use DB2 app" in **IBM Workplace Designer > Data > Databases** has an incorrect command in step 4c. Here is the correct command:

```
catalog tcpip node <nodename> remote <servername> 50000
catalog database <alias> at node <nodename>
```

Installation Guide errors

Following are the known errors in the IBM Workplace Designer Installation Guide

- All references to **stopWorkplaceServices.bat [or .sh]**, should be replaced by **stopNetworkServer.bat [or .sh]**.
- In Step 11 of the topic "Installing Workplace Designer runtime files on a single server", the instructions for IBM iSeries should read:
 1. Navigate to `/[WSE_HOME]or[WCS_HOME] /PortalServer/ rootscripts/subtasks`, and run `./startNetworkServer.sh`
 2. In the same directory, run `./startPortalServer.sh`.
 3. Install the IBM Workplace Designer EAR file.

You must start the Portal server before installing the EAR file.

Label positions

For controls that have an attached label, there are two choices for the label position, "Left" and "Right". If the value is "Left", the label is positioned to the left of the control; if the value is "Right" the label is positioned to the right.

Limitations of adding a component to a non-template-based page

The topic "Deploying components to a server" located in **IBM Workplace Designer > Components > Deploying components** does not describe the limitations of testing deployment by adding a component directly to a page without attaching it to a template. Here is the missing documentation:

If you test your component by adding it directly to a page without attaching it to a template, your component will not have the same functionality as a template-based component. For example, all instances of the component will share the same data, component parameters will not exist, user roles will not apply, and you will not be able to run scripts for instance lifecycle and membership.

Manually deploying a component

The topic "Deploying components to a server" located in **IBM Workplace Designer > Components > Deploying components** does not describe how to deploy a component manually. Here is the missing documentation:

You can deploy IBM® Workplace™ Designer components manually. Manual deployment involves exporting the Workplace Designer component's Web ARchive (WAR) and Data Definition Language (DDL) files and manually deploying them to the appropriate server or servers. This process might be necessary if you are deploying in a production environment but don't have direct access to the IBM Workplace Collaboration Services server and/or database server.

Note: Typically, after you export the WAR and DDL files, you will send them to your system and database administrators for them to deploy the WAR file and run the SQL script. Most likely, they will have all the required credentials necessary to access the servers and will already be familiar with deploying J2EE applications and setting up databases.

Prerequisites include the following:

- a database (or schema, depending on the type of database) reserved for the Workplace Designer data store (see your database vendor's documentation for details)
- clustered server environment only, databases reserved for Workplace Designer data stores must be cataloged on each application node in the cluster
- clustered server environment only, a working installation of Workplace Designer in a networked environment (see the IBM Workplace Designer Installation Guide at <http://www.lotus.com/idd/doc> for details)

To perform manual deployment, take the following steps:

1. Create a new Workplace Designer deployment profile (or edit an existing one) with the correct credentials and connection information for the target Workplace application and database servers. Both of these servers may be on the same machine. See [Creating and editing deployment profiles](#) for more information.
2. Select the deployment profile that you want to use when deploying this component by taking the following steps:
 - a. Click **File > Preferences**.
 - b. Click **Workplace Designer > Deployment**.
 - c. Click the radio button beside the deployment profile to make it the default profile.
 - d. Click **OK**.
3. Export the WAR and DDL files by taking the following steps:
 - a. Click the component name in the **Component Navigator**.
 - b. Click **File > Export > .WAR file**.
 - c. In the **Export WAR** dialog box, specify the save location and name of the WAR file.
 - d. Click **Save**.
 - e. Click **File > Export > .DDL file**.
 - f. In the **Export DDL** dialog box, specify the save location and name of the DDL file.
 - g. Click **Save**.
4. If you have deployed a component using this database before, your database administrator will need to edit the DDL's SQL script to remove the system table and index creation and initialization statements. To do this, take the following steps:
 - a. Open the DDL file in an editor.
 - b. Remove all the CREATE TABLE and CREATE INDEX statements that are located between the System tables and XML Database comments, for example:

```
--
-----
-- System tables
--
-----
--
-----
-- XML Database: Blog06280600
--
-----
```

- c. Remove the first INSERT statement in the last section of the DDL file, for example:

```
INSERT INTO FB__OBJ
(FBTYPE, FBNAME, FBSUBTYPE, FBCREDAT, FBAUTHOR, FBMODDAT, FBLOCKED, FBDATE)
VALUES ('ACLServer', 'ACLServer', '', TO_DATE('1-7-2005 16:29:51',
'DD-MM-YYYY HH24-MI-SS'), 'anonymous', TO_DATE('1-7-2005 16:29:51',
'DD-MM-YYYY HH24-MI-SS'), 0, '<?xml version="1.0"
encoding="UTF-8"?><ACLServer id="Obj-1" xmlns:SOAP-ENC="
http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="
http://www.w3.org/1999/XMLSchema/instance/" xmlns:xsi="
http://www.w3.org/1999/XMLSchema/" xmlns:fb="
http://www.flowbuilder.com/namespaces/datatypes
"><maxQueryFields>60</maxQueryFields><perInstance>true</perInstance
e><tbSeqID>1</tbSeqID><version>5</version></ACLServer>');
```

5. Ask your database administrator to create the component data store by running the SQL script according to the database vendor's documentation. Note that this step does not create the database for you. See the prerequisites above.
6. Ask your system administrator to deploy the WAR file to the IBM Workplace Collaboration Services server, using a standard method such as the IBM WebSphere® Portal administrative user interface or XMLAccess scripts.

If you are deploying in a clustered server environment, you will need to perform these additional two steps:

- Before deploying the WAR file, add the following property to the global.properties file in the WAR file:
fb.xsp.documentpool.directory=<shared_directory>
where <shared_directory> is the full path to the shared directory.
 - After deploying the WAR file, replicate your WebSphere Portal applications to all application nodes in the cluster. Use the WebSphere Portal documentation to perform this task.
7. If you have defined any parameters for your component using the **Parameters** tab in the **Properties** panel, ask your system administrator to take the following steps. If you have not defined any parameters, you can bypass this step.
 - a. Unzip the component's WAR file that you exported earlier.
 - b. Locate the file that has the same name as your component. For example, if the name of your component is ProjectManager, locate the file called ProjectManager (without a file extension).
 - c. Copy the file to your clipboard.
 - d. Paste the file into the
\WebSphere\AppServer\installedApps\<cell-name>\wps.ear\wps.war directory, where <cell-name> is the cell name of the application server.

Note: If you have defined parameters for the component and therefore had to follow these steps, you will need to create a new Workplace template for the component application. Existing templates will not recognize the new file that you just added to the wps.war directory.

8. Test your deployment by taking one of the following actions.
 - Create an application instance from an existing Workplace template and add the component to a page in that application.
 - Create a new Workplace template, set up an application based on that template, and then add the component to a page in the application.
 - Add your component directly to a page without attaching it to a template. **Note:** If you test your component this way, your component will not have the same functionality as a template-based component. For example, all instances of the component will share the same data, component parameters will not exist, user roles will not apply, and you will not be able to run scripts for instance lifecycle and membership.

Sample application component help

The following text should be included in the topic "Sample components":

Perform the following steps to import the sample applications into Workplace Designer:

1. Click File > Import > Component.
2. In the Import Workplace Component dialog box, click Browse.
3. Navigate to one of the following directories:
 - [WMCInstallDir]\applications\eclipse\plugins\com.ibm.workplace.designer.sampleApps_1.0.0\sampleApps (Microsoft® Windows®)
 - [WMCInstallDir]\applications\eclipse\plugins\com.ibm.workplace.designer.sampleApps_1.0.0\sampleApps (Linux™).

Note: [WMCInstallDir] is the directory where the IBM Workplace Managed Client is installed.
4. Select one of the following .JAR files, and then click Open.
 - ProjectManager.jar
 - DiscussionDatabase.jar
 - ContactList.jar
 - Blog.jar
5. Click OK.

The following text should be in the topic "Project Manager":

Two script libraries provide the logic:

- **NavigationScripts** - These scripts save the current document, open a new response document, delete the current document, open a view, and open the parent document.
- **ProjectValues** - These scripts manipulate the display of an image based on certain values, and determine the role assigned to the current user.

The following text should be in the topic "Discussion Database":

Three script libraries provide the logic:

- **scriptLibraryFormat** - These scripts format dates and assembles strings.
- **scriptLibraryNavigation** - These scripts assemble runtime URLs and redirects to them.
- **scriptLibraryStringConstants** - These scripts return string constants.

Setting form data properties topic

The **Document action** property in the form properties **Data** tab is documented like this:

"New Document - A new document is created with its own ID each time users open the form. You must create a script that produces an ID for each new document in the Parent ID field. Users must have Author or Editor component level access in order to create new documents.

Note Since users with Reader component level access cannot create new documents, they cannot open this form. If the form contains a view that you want Readers to access, you can uncheck "Specify a data source for this form." After this is unchecked however, you cannot store data entered into this form."

The note is incorrect. If you uncheck "Specify a data source for this form" so that users with Reader access can see the form, you can still store user data in documents. You must add a panel control (or controls) to the form and put the controls that accept data into that panel. Then in the panel's **Data** properties you select "Specify a data source for this form" and set the panel to generate a document. The form will not generate a document, but the panel will.

Suggestions for testing deployment, including limitations

The topic "Deploying components to a server" located in **IBM Workplace Designer > Components > Deploying components** does not describe in enough detail how to test component deployment once it is completed. Here is the missing documentation:

Test your deployment by taking one of the following actions:

- Create an application instance from an existing Workplace template and add the component to a page in that application.
- Create a new Workplace template, set up an application based on that template, and then add the component to a page in the application.
- Add your component directly to a page without attaching it to a template. **Note:** If you test your component this way, your component will not have the same functionality as a template-based component. For example, all instances of the component will share the same data, component parameters will not exist, user roles will not apply, and you will not be able to run scripts for instance lifecycle and membership.

Tutorial: /project/status should be /project/currentStatus

The following error occurs in the Tutorial section of the Workplace Designer reference help:

Step 7 in the topic "Creating a component and schema" lists a completed schema including a **currentStatus** element.

Step 21 in the topic "Creating a form for listing documents" includes the statement:

```
var status = document.getIntValue("/project/status");
```

This statement references the **currentStatus** element and should therefore be:

```
var status = document.getIntValue("/project/currentStatus");
```

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