

Adobe LiveCycle ES2 Service Pack 2

Install Instructions and Fixed Customer Issues

Service Pack 2, Version 9.0.0.2

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Caution: For upgrade customers, this service pack installation includes steps to run a tool, `MigrateArchiveSessionIDS`, at a specific point while using LiveCycle Configuration Manager. You must run `MigrateArchiveSessionIDS` to avoid encountering collision errors with session IDs. See [“Using the MigrateArchiveSessionIDS tool” on page 4](#) for details on using this tool.

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Purpose of this service pack

This service pack provides general fixes to Adobe® LiveCycle® ES2 (Enterprise Suite 2).

Solution Accelerators

Installing Adobe LiveCycle ES2 Service Pack 2 is prerequisite for installing Solution Accelerators available with LiveCycle ES2.5. If you intend to install the Solution Accelerators, you must run the following LiveCycle installers in this order:

1. Install LiveCycle ES2, version 9.0: see [Installing LiveCycle ES2](#) for details.
2. Install LiveCycle ES2 SP2, version 9.0.0.2 (this document).
3. Install Solution Accelerators, version 9.5.0: see [Installing Solution Accelerators](#) for details.

Note: The ESD download site contains an installer for LiveCycle Workbench 9.5. LiveCycle Designer ES2 version 9.0.0.2 is installed as part of LiveCycle Workbench 9.5.

Install Solution Accelerators on a new system

If you are planning a fresh installation of LiveCycle with Solution Accelerators, you can simplify your installation by limiting the number of times you run LiveCycle Configuration Manager. The steps to simplify the installation as follows:

1. Install LiveCycle ES2. Do not run LiveCycle Configuration Manager.
2. Install LiveCycle ES2 SP2. Do not run LiveCycle Configuration Manager.
3. Install Solution Accelerators.
4. Run LiveCycle Configuration Manager to configure, deploy, and bootstrap the system.

Overview of installing the service pack (Server)

To complete the service pack installation and deployment you must complete the following steps:

1. Install the service pack.
2. Undeploy the old EAR files.
3. Rebuild the EAR files using LiveCycle Configuration Manager.
4. Deploy the new EAR files (using LiveCycle Configuration Manager or manually deploying).
5. Bootstrap the database.

Note: This step does not affect existing data.

6. Deploy the Document Service Components (DSC) using LiveCycle Configuration Manager.
7. Verify the service pack installation. Open the LiveCycle Administration Console and select **About**. Ensure that the Patch Version indicates SP2. Also ensure that all **Installed Modules** report SP2 under the **Patch** column.

Note: For information about the platform combinations supported for LiveCycle ES2, refer to [Adobe LiveCycle ES2 Supported Platform Combinations](#).

Known issues

For a complete listing of the known issues in LiveCycle ES2, see the [LiveCycle ES2 Release Notes](#) document, which was updated for Service Pack 2.

Installing the service pack

This service pack contains patches for LiveCycle Designer 9 and LiveCycle ES2 server.

[“Preparing to install the service pack” on page 3](#)

[“Installing the service pack for LiveCycle Designer 9” on page 3](#)

[“Installing and configuring the service pack for LiveCycle ES2 server” on page 3](#)

These instructions assume that you have installed LiveCycle ES2.

Note: If you are upgrading from LiveCycle 8.x, or your LiveCycle ES2 deployment was upgraded from LiveCycle 8.x, follow the instructions in [“Preparing to install the service pack” on page 3](#) and then continue with [“Upgrading to LiveCycle ES2 and applying the Service Pack” on page 10](#).

Preparing to install the service pack

Note: For UNIX® or Linux® environments, use any MD5 encryption utility to verify that the `livecycleserver_9002_<appserver>_wwefdj_unix.tar.gz` file has downloaded properly. The checksum number is posted on the Adobe download site.

Before you install this service pack, ensure that your environment is backed up and identify a viable procedure to restore the backed up environment.

For information about how to revert to a pre-Service Pack 2 state, see [“To revert your LiveCycle ES2 server installation to pre-Service Pack 2 state:” on page 8](#).

Further, before you install this service pack, ensure that you have sufficient free disk space available:

- The final size of the LiveCycle Designer 9 directory after the upgrade is 297 MB.
- Installing SP2 for LiveCycle ES2 server requires 6 GB of disk space.

Installing the service pack for LiveCycle Designer 9

Perform the following procedure to install the LiveCycle ES2 service pack for Designer 9.

► To install the service pack for LiveCycle Designer 9:

1. Run `Designer9_English_SP2.exe`. This step opens a wizard that guides you through the installation.

Note: If your service pack installation fails and displays an Adobe LiveCycle Designer 9 dialog box that says the file `C:\... \Temp\Designer.msi` cannot be found, contact Adobe LiveCycle ES2 technical support for information about how to proceed with the service pack installation.

2. On the Welcome screen, click **Update**.
3. On the InstallShield Wizard Completed screen, click **Finish** to exit the wizard.
4. Start LiveCycle Designer 9, select **Help > About**, and then verify that the Version Number displayed begins with 9.0.0.2. Such a version confirms that the service pack was successfully installed.

Installing and configuring the service pack for LiveCycle ES2 server

Perform the following procedures to install the LiveCycle ES2 service pack for LiveCycle ES2 server:

- Install the service pack (see [“To install the service pack for the LiveCycle ES2 server:” on page 4](#)).
- Configure and deploy LiveCycle ES2 for the service pack (see [“To perform configuration or deployment tasks using LiveCycle Configuration Manager:” on page 6](#)).

Note: Ensure that LiveCycle Configuration Manager is not running before you start the service pack install wizard.

► **To install the service pack for the LiveCycle ES2 server:**

1. Run the appropriate installer for your operating system:
 - (32-bit Windows) `lifecycle_server_patch\9.0\Disk1\InstData\Windows\VM\lces2_sp_install.exe`
 - (64-bit Windows) `lifecycle_server_patch\9.0\Disk1\InstData\Windows_64bit\VM\lces2_sp_install.exe`
 - (AIX) `lifecycle_server_patch/9.0/Disk1/InstData/AIX/VM/lces2_sp_install.bin`
 - (Linux) `lifecycle_server_patch/9.0/Disk1/InstData/Linux/NoVM/lces2_sp_install.bin`
 - (Solaris) `lifecycle_server_patch/9.0/Disk1/InstData/Solaris/NoVM/lces2_sp_install.bin`This step opens a wizard that guides you through the installation.
2. When prompted, select the language to use for the installation and then click **OK**.
3. On the Introduction screen, click **Next**.
4. On the Choose Install Folder screen, verify that the default location displayed is correct for your existing installation, or click **Browse** to select the alternate folder where LiveCycle ES2 is currently installed, and then click **Next**.
5. On the Service Pack Summary screen, review the information and, if it is correct, click **Next**. (Click **Previous** to correct errors, if any).
6. On the Pre-installation Summary screen, review the information and, if it is correct, click **Install**. (Click **Previous** to correct any errors.)

Note: This step may take a few minutes to complete.

7. On the Apply Patch screen, click **Next**.

Note: The typical time to apply patch updates is approximately 5 minutes. However, depending upon the resources available on your system, applying patches may take as many as 15 minutes.

8. When the Installation Complete screen refreshes to indicate a successful installation, ensure that **Start LiveCycle Configuration Manager** is selected and then click **Done** to exit the wizard.

Note: On AIX, start LiveCycle Configuration Manager manually by running the `ConfigurationManager.sh` script from the `[LiveCycle ES2 root]/configurationManager/bin/` directory.

Using the MigrateArchiveSessionIDs tool

Caution: If you are upgrading a LiveCycle server, you must run the `MigrateArchiveSessionIDs` tool after the option to **Deploy LiveCycle ES2 EARs** and before the option to **Deploy LiveCycle ES2 Components** (DSCs and LCAs) in LiveCycle Configuration Manager. After you initialize the database, stop using the LiveCycle Configuration Manager (minimize it) and restart the application server.

► **To run the `migrateArchiveSessionIDs` tool:**

1. Run LiveCycle Configuration Manager as described in the next section. When you reach the **Deploy LiveCycle ES2 Components** screen, stop using LiveCycle Configuration Manager. Do not exit the tool, but minimize it.
2. Restart your application server.
3. Browse to `[LiveCycle ES2 root]/LiveCycle_ES_SDK/misc/Foundation/ProcessPurgeTool`.
4. Create a text file called `connection.properties` and add the following content:

```
A typical connection properties file looks like:
# Note to use EJB transport you will need to modify the manifest of the
# adobe-application-manager-dsc.jar to include the appropriate libraries
# for your app server. Using SOAP is recommended and the default.
# DSC_TRANSPORT_PROTOCOL=SOAP
DSC_DEFAULT_SOAP_ENDPOINT=http://localhost:8080
DSC_CREDENTIAL_USERNAME=administrator
DSC_CREDENTIAL_PASSWORD=password
```

Note: You must modify the **SOAP_ENDPOINT**, **port**, **Username**, and **Password** fields with the appropriate values for your system.

You can provide these connection properties via the command line. For more information, refer to the ReadMe file: `[LiveCycle ES2 root]/LiveCycle_ES_SDK/misc/Foundation/ProcessPurgeTool/ArchiveSessionIdReadMe`.

5. To run the tool, from a command prompt, type:

```
java -jar adobe-applicationmanager-migration-dsc.jar -c
connection.properties --migrateArchiveSessionIds
```

6. When successful, the following output will be returned to the command line: `OK`. Complete the following steps to continue:
 - a. Go back to the LiveCycle Configuration Manager you minimized in step #1.
 - b. Complete the remaining LiveCycle Configuration Manager steps including **Deploying LiveCycle ES2 EARs**.
7. If executing the tool is not successful, you will need to review the error message to determine the issue. For example, if any LCAs have already had their archives deleted inappropriately, a message, such as the following, is returned:

```
<Applicationname>: missing archive file c:/gds/docmN*/H*
```

Where, **N*** represents decimal digits and **H*** represents hexadecimal digits (0-9A-F).

To address this error:

- a. Login to the LiveCycle Administration Console.
- b. Select `Services > Applications and Services > Archive Management`.
- c. Remove the LiveCycle archive file (LCA) specified in the `<Applicationname>` section of the return message and then import it again.
- d. Go back to the LiveCycle Configuration Manager you minimized in step #1.
- e. Complete the remaining LiveCycle Configuration Manager steps including **Deploying LiveCycle ES2 EARs**.

For additional information on the tool, the following references are available:

- **ReadMe file:** Installed to the following location: *[LiveCycle ES2 root]/LiveCycle_ES_SDK/misc/Foundation/ProcessPurgeTool/ArchiveSessionIdReadMe.txt*
- **Technote:** [Using the MigrateSessionIds tool](#)

➤ **To perform configuration or deployment tasks using LiveCycle Configuration Manager:**

Note: If you're continuing directly from the installation process, skip step 1 of this procedure.

1. Start LiveCycle Configuration Manager manually by navigating to the *[LiveCycle ES2 root]/configurationManager/bin* directory and entering the following command:
 - (Windows) `ConfigurationManager.bat`
 - (Linux, UNIX) `./ConfigurationManager.sh`
2. When prompted, select the language to use for the installation and click **OK**.
3. On the Welcome screen, click **Next**.
4. On the Upgrade Selection screen, ensure that no options are selected, and then click **Next**.
5. On the Module Selection screen, keep the defaults or select the components that you have licensed. Click **Next**.

Note: **Adobe LiveCycle ES2 Connector for Microsoft Sharepoint** is unavailable for selection on the Module Selection screen if you do not have the connector for Microsoft Sharepoint installed on your server.

6. Perform the task in the table below that applies to your configuration. For more information, see the *Installing and Deploying LiveCycle ES2* document that applies to your application server and configuration.

Configuration	Task
<ul style="list-style-type: none"> ● JBoss Application Server (turnkey) ● JBoss Application Server (partial turnkey) ● Stand-alone WebLogic Server ● Stand-alone WebSphere Application Server 	<ul style="list-style-type: none"> ● On the Task Selection screen, select the following tasks and then click Next: <ul style="list-style-type: none"> ● Configure LiveCycle ES2 EARs ● (Only for turnkey) Configure turnkey JBoss SSL ● (Optional; applicable only for WebSphere and WebLogic) Configure application server ● (Optional; applicable only for WebSphere and WebLogic) Validate application server configuration ● Deploy LiveCycle ES2 EARs ● (BAM only) Deploy LiveCycle Business Activity Monitoring ES2 EARs ● Initialize LiveCycle ES2 database ● (BAM only) Initialize LiveCycle Business Activity Monitoring ES2 <p>Caution: Before proceeding to Deploy LiveCycle ES2 components review Using the MigrateArchiveSessionIDs tool.</p> <ul style="list-style-type: none"> ● Deploy LiveCycle ES2 components ● Validate LiveCycle ES2 component deployment ● Configure LiveCycle ES2 components ● (Optional) Import LiveCycle ES2 Samples into LiveCycle ES2 <p>Note: Do not select the tasks to configure the application server or to validate the application server if the LiveCycle ES2 server has been configured earlier.</p> <p>If this error appears in the application server log file, ignore it: UMConstants.ErrorCode.E_RESTYPE_PREEXISTS_WITH_SAME_ATTRIBUTE</p>

Configuration	Task
<ul style="list-style-type: none"> Stand-alone JBoss Application Server (non-turnkey) 	<ul style="list-style-type: none"> On the Task Selection screen, select Configure LiveCycle ES2 and then click Next to configure the LiveCycle ES2 EAR files for the service pack. Exit LiveCycle Configuration Manager and then manually undeploy the existing LiveCycle ES2 EAR files. Manually deploy the new LiveCycle ES2 EAR files. Return to LiveCycle Configuration Manager and, on the Task Selection screen, select the following tasks: <ul style="list-style-type: none"> Initialize LiveCycle ES2 database (BAM only) Initialize LiveCycle Business Activity Monitoring ES2 <p>Caution: Before proceeding to Deploy LiveCycle ES2 components review “Using the MigrateArchiveSessionIDs tool” on page 4.</p> <ul style="list-style-type: none"> Deploy LiveCycle ES2 components, Validate LiveCycle ES2 component deployment Configure LiveCycle ES2 components (Optional) Import LiveCycle ES2 Samples into LiveCycle ES2 <p>Note: For more information, refer to the Installing and Deploying LiveCycle ES2 guide for your application server. For LiveCycle Configuration Manager steps relevant to clustered configurations, refer to the Configuring LiveCycle ES2 Application Server Clusters document that applies to your application server.</p>

7. Restart the application server.

Note: In a clustered configuration, restart each application server instance of the cluster.

8. After the tasks specified in step 6 have completed, log in to LiveCycle Administration Console by typing the URL `http:// [host name] : [port] /adminui` in a web browser.

9. Select **About**, and then verify that the patch version displayed is SP2.

► **To revert your LiveCycle ES2 server installation to pre-Service Pack 2 state:**

Perform the following tasks to revert your LiveCycle ES2 server installation to the pre-Service Pack 2 state:

1. Access the `[LiveCycle ES2 root]\patch\SP2\FilesAddedDuringServicePack_RemoveOrReplaceToRevert.txt` file and complete the following steps:
 - Delete the files listed in `FilesAddedDuringServicePack_RemoveOrReplaceToRevert.txt` from your existing LiveCycle ES2 installation.
 - Replace the folders listed in this file with the corresponding folders from the backup copy at `[LiveCycle ES2 root]\patch\SP2\backup_SP2`.
 2. Replace the files in the following directories under `[LiveCycle ES2 root]` with files from the backup copy at `[LiveCycle ES2 root]\patch\SP2\backup_SP2`:
 - `configurationManager`
 - `deploy`
 - `fonts`
 - `LiveCycle_ES_SDK`
 - `pdfg_config`
 - `pdfg_srt`
 - `plugins`
- Note:** For more information, refer to the patch logs at `[LiveCycle ES2 root]/patch/SP2/log`.
3. After restoring the `[LiveCycle ES2 root]/configurationManager` directory, delete the EAR files in the `[LiveCycle ES2 root]/configurationManager/export` directory.
 4. Run LiveCycle Configuration Manager only if you ran it after installing Service Pack 2.
 5. (Optional) If you don't require the SP2 patch files, delete the `[LiveCycle ES2 root]/patch/SP2` directory.

Install the service pack for Business Activity Monitoring ES2 server

1. Install the service pack for the LiveCycle ES2 server.

Note: You don't need to run LiveCycle Configuration Manager for upgrade after this step.
2. (WebSphere only) Update the `AdobeIntegration.jar` file referenced in the Shared Libraries setting for Business Activity Monitoring ES2 deployment.
 - Click **Environment > Shared Libraries > Classpath** in the WebSphere Administrative Console to find the location of the `AdobeIntegration.jar` file.
 - Stop the Business Activity Monitoring ES2 (BAM) server and overwrite the `AdobeIntegration.jar` file at this location with `[LiveCycle ES2 root]/deploy/AdobeIntegration.jar`.
 - Restart the Business Activity Monitoring ES2 server.
3. Refer to the following documents, as required:
 - To configure the BAMWizard, refer to the guide at `[LiveCycle ES2 root]/LiveCycle_ES_SDK/misc/Business_Activity_Monitoring/LavaActivitySuite/BAM Wizard/bam_wizard_guide.pdf`.

- To use Flex API, refer to the documentation at [\[LiveCycle ES2 root\]/LiveCycle_ES_SDK/misc/Business_Activity_Monitoring/LavaActivitySuite/FlexAPI/FlexAPI.zip](#).

Note: To support sub-process names longer than 50 characters, extend the `component_id` column of the `tb_bam_action_template` table from 50 to 255 characters. Now, in the BAM workbench and under public folders, check and ensure that the `activity_type` of the objects listed below is Unlimited:

- ActivityHierarchy Lookup Table
- ActivityInstanceCompletedEvent Data Stream
- ActivityInstanceEvent Consolidated Event
- ActivityInstanceStartedEvent Data Stream

► **(MySQL only) To enable alias names to be used as column names while adding a data stream/lookup table in Business Activity Monitoring ES2:**

1. Stop the Business Activity Monitoring ES2 server
2. For each data source, add the property `useOldAliasMetadataBehavior` and set its value to True. For example, for JBoss:

```
<connection-property name="useOldAliasMetadataBehavior">
true</connection-property>
```

3. Restart the Business Activity Monitoring ES2 server.

Installing the service pack when upgrading to the LiveCycle ES2 server

Follow the instructions in this section if you are upgrading from LiveCycle 8.x to LiveCycle ES2 or if your current LiveCycle ES2 deployment was upgraded from LiveCycle 8.x.

Apply the service pack by performing the steps in the section that applies to your situation:

- ["Upgrading to LiveCycle ES2 and applying the Service Pack" on page 10](#)
- ["Applying the service pack to an upgraded LiveCycle ES2" on page 11](#)

For information about system requirements and upgrade conditions, see [Preparing to Upgrade to LiveCycle ES2](#).

For information about using LiveCycle Configuration Manager to configure, upgrade, and deploy LiveCycle ES2, see [Upgrading to LiveCycle ES2 for JBoss](#), [Upgrading to LiveCycle ES2 for WebSphere](#), [Upgrading to LiveCycle ES2 for WebLogic](#), or [Upgrading to LiveCycle ES2 from 8.x for JBoss Turnkey](#).

Upgrading to LiveCycle ES2 and applying the Service Pack

Perform the following procedure to upgrade a LiveCycle version 8.x deployment to LiveCycle ES2 and apply the LiveCycle ES2 service pack.

► **To upgrade to LiveCycle ES2:**

1. Install LiveCycle ES2 by following the instructions in the [Upgrading to LiveCycle ES2](#) document for your application server. (See the "Installing the product files" section.) Do not start LiveCycle Configuration Manager.
2. Apply the service pack to the newly installed files by following steps 1 through 8 of the ["To install the service pack for the LiveCycle ES2 server:" on page 4](#) procedure.
3. Start LiveCycle Configuration Manager as instructed in steps 1 through 3 of the ["To perform configuration or deployment tasks using LiveCycle Configuration Manager:" on page 6](#) procedure.
4. Complete the configuration, upgrade, and deployment by following the instructions in the "Configuring LiveCycle ES2 for Deployment" chapter of the [Upgrading to LiveCycle ES2](#) document for your application server.

Applying the service pack to an upgraded LiveCycle ES2

Perform the following procedure to apply the LiveCycle ES2 service pack to a LiveCycle ES2 deployment.

► **To apply the service pack to an upgraded LiveCycle ES2 server:**

1. Apply the service pack to the newly installed files by following the steps 1 through 8 of the ["To install the service pack for the LiveCycle ES2 server:" on page 4](#) procedure in this document.
2. Start LiveCycle Configuration Manager as instructed in steps 1 through 3 of the ["To perform configuration or deployment tasks using LiveCycle Configuration Manager:" on page 6](#) procedure.
3. On the Upgrade Task Selection screen, select one of the following, as required:
 - Upgrade from LiveCycle ES 8.0.x
 - Upgrade from LiveCycle ES 8.2.1.x

Note: If you are patching LiveCycle ES2 on a development system on which you are also running or developing client applications developed with LiveCycle 7.x, select **Install the LiveCycle 7.x Compatibility Layer**.

4. On the Task Selection screen, select the following task options:
 - **Configure LiveCycle ES2 EARs**
 - **Deploy LiveCycle ES2 EARs** (if you are deploying to JBoss Turnkey, WebSphere, or WebLogic; otherwise, you can manually redeploy the EAR files by following the instructions in the [Upgrading to LiveCycle ES2](#) document for your applications server.)
 - **Initialize LiveCycle ES2 database**
 - **Deploy LiveCycle ES2 components**
 - **Validate LiveCycle ES2 component deployment**
 - (Optional) **Configure the LiveCycle ES2 connectors for ECM, Reader Extensions 9, PDF Generator 9, and PDF Generator 3D 9.**
 - (Optional) **Import LiveCycle ES2 Samples into LiveCycle ES2**

Note: Do not select the tasks to configure the application server or validate the application server.

5. Complete the configuration, upgrade, and deployment of the patched EAR files by following the instructions in the LiveCycle Configuration Manager wizard and in the "Configuring LiveCycle ES2 for Deployment" section of the [Upgrading to LiveCycle ES2](#) document for your application server.
Note: If the LiveCycle ES2 SP2 EAR files fail to deploy through LiveCycle Configuration Manager, manually undeploy the LiveCycle ES2 EAR files for the components you are updating according to the documentation. Restart the application server before you run LiveCycle Configuration Manager again.
6. Log in to LiveCycle Administration Console, select **About**, and then verify that the patch version displayed is SP2. Patch Version SP2 confirms the service pack update.
7. Restart your application server.

Issues addressed in the LiveCycle ES2 service packs

Service Pack 1

Upgrade

- Users are unable to log in to Workspace 9 after a post-upgrade synchronization. This issue is observed when a server is upgraded from LiveCycle ES to LiveCycle ES2.

LiveCycle Foundation

- Attempts to shut down a WebSphere server cluster fail. A process hangs indefinitely, returning an error message in the WebSphere logs.
- An error is encountered when a variable of the type `WebServiceSettingBean` (with some WSDL code) is passed in the initial settings for a long-lived process.
- Users are able to insert charts into a worksheet using the Chart wizard even if they don't have the required "change" permission.
- A major exception is encountered in WebLogic Server logs due to a socket write error in the LiveCycle Administration Console framework.
- If the Result section is left blank while configuring a watched folder end-point, then data from the staging folder in the watched folder is not purged automatically.
- The size of the `work_monitor_id` column should be increased to NChar (128).
- Decoded barcodes have missing data.
- When the `sendWithMapOfAttachments()` method of the `EmailService` is invoked, all attachments are assigned the `application/octet-stream` content-type instead of the relevant content-type. This issue causes the receiving process to skip the import of the attachments.
- `sendWithDocument`: Spaces in the `From` address of email messages are lost.
- The `Forms Data Integration` service returns a `ClassDefNotFoundException` when it is not used in conjunction with the `Forms` or `Output` service.
- The following error is encountered while creating more than one email endpoint pointing to different user inboxes:

```
Inbox account is used by the other endpoint. Each endpoint must have different Inbox account.
```
- An error is encountered while assigning a BLOB result to a document type in LiveCycle ES2.

- If you run the purge process utility while the ID column value (in the tb_form_data table) is set to 999 or a higher value, an exception is observed in the server logs.
- When a LiveCycle ES2 workflow accesses a web service, the credentials used for the LiveCycle ES2 server appear in the server log file as plain text.
- Error while configuring hardware security module (HSM) support to certify PDF documents for LiveCycle ES2 running on the Windows 64-bit platform.

Acrobat and Adobe Reader

- Vulnerability in PDFL that could be exploited to crash Acrobat Pro and Reader.

LiveCycle Content Services 9

- A "Group does not exist" error is encountered when a group used for managing Content Services 9 users is renamed.
- The login page for Contentspace 9 fails to load for LiveCycle ES2 on WebSphere 7.x when the server has no access to the Internet.
- When using Contentspace 9, the WebDAV protocol does not work on Windows Vista and Windows 7 clients.

LiveCycle Output 9

- `ConvertPdfService`: Field spacing is increased when a PDF file is converted to PostScript.
- `ConvertPdfService`: Text in some text fields is shifted upwards when a PDF file is converted to PostScript.
- Checkbox marks are rendered differently when a PDF file is converted to PostScript.
- Using Output 9 to merge a PDF file with data results in the background artwork shifting down the page. This issue causes the text fields to overlap the background image.
- Enhancement request: Support in Output 9 for shared network printers across different domains.
- An error occurs when XML data is passed to the `generatePdfOutput2` API.
- When converting PDF files to PostScript using `toPS2()` in LiveCycle ES2, the text in tables overlaps.

LiveCycle PDF Assembler

- An `ArrayIndexOutOfBoundsException` exception is encountered while assembling a PDF file from a Microsoft Word document that has long style names.
- A null point exception is encountered while assembling PDF files.
- When a flattened PDF form is opened in Acrobat 9.2, the following error is encountered:

```
This PDF requires a newer version of Acrobat
```
- A customer document passes the DocConverter's PDF/A-1b compliance check even when it is found non-compliant during the Acrobat/Preflight 9.2.0 check.
- Documents archived as PDF/A have some data missing.

LiveCycle PDF Generator 9

- Error while converting HTML files to PDF files with a landscape page orientation. Changing the orientation to **Landscape** in the Page Conversion settings does not work.
- Conversion of a customer MS Word document to PDF using CreatePDF or AssemblerIVS fails. The following exception is encountered:

```
ERROR [com.adobe.internal.ddxm.Executive] DDXM_S00001: Failed  
to assemble result named generatedPDF  
java.lang.RuntimeException: expected CosName
```

- Enhancement request: Support in PDF Generator 9 for XPS to PDF conversions on Microsoft Windows.
- PDF/A files converted from PostScript documents have missing glyphs.
- PDF Generator 9 times out while an OCR operation is in progress.
- PDF Generator 9 crashes when the Standard OCR option is used to generate PDF files.

LiveCycle Designer 9

- An error is encountered while saving a form using the Save As command in Designer without changing the form name.

LiveCycle Workbench 9.5

- Fragments in a Workbench 9.5 application are not present in the rendered PDF if the form utilizing the fragments is in a different application.
- Workbench 9.5 crashes when a Web Service Definition Language (WSDL) document containing French characters is associated with an XML schema.

LiveCycle Reader Extensions 9

- If the input PDF document has an extension level as an indirect reference, Reader Extensions 9 uses the extension level as a direct reference in the incremental section.

LiveCycle Rights Management 9

- Settings can be altered to prevent dynamic watermarks in a policy-protected PDF file from printing.
- Users are unable to open policy-protected files using Acrobat 9.3 if their password contains the '&' special-character.
- Error while printing protected Excel spreadsheets using the Microsoft XPS Document Writer, even when appropriate print permissions are available.
- Microsoft Excel 2003 and 2007: The available menu items are grayed out when a policy-protected file is saved.
- The Save Workspace command in Microsoft Excel doesn't work after the Rights Management 9 plug-in is installed.

LiveCycle User Management

- If the user chooses to edit the default domain using Domain Management in LiveCycle Administration Console, but clicks OK without making any changes, the following error message is returned:

```
An error has occurred; please contact your Administrator."
```

- Enhancement request: Parameterized property support for LiveCycle ES2 preferences. For example, support for parameterized DNS names, where part of the DNS name comes from a code element, while the rest of it is derived from JVM properties.
- The Last Name and Given Name fields in the Domain Management user interface do not have asterisks to indicate that they are mandatory.
- Users are unable to log in to the Reader Extensions 9 and Workspace 9 URLs using HTTPS in Internet Explorer. The login operation is successful using HTTP in Internet Explorer or using HTTP/HTTPS in Firefox.

LiveCycle Process Management 9

- Users are not prompted when they abandon an open task by clicking a mini-card to switch to another task.
- An `IDPSchedulerService` exception is encountered when a paused process in the maintenance mode is invoked.
- Multiple instances of a process are erroneously initiated.
- Task notification emails are not sent when a sub-group is configured for a group. This issue is observed for `AssignTask` and `AssignMultipleTask` as well.
- An `OutOfMemory` error occurs when running Process Management 9 with an Oracle 10g database on WebLogic or WebSphere application servers.

LiveCycle Workspace 9

- The Approve/Reject buttons do not appear in the rendered PDF for the assigned task.
- The Workspace 9 search template displays dates in an incorrect format based on the regional/locale settings on the user's machine.
- Display issues when a PDF is rendered inside Workspace 9.
- When a note is added using the **Attachments** tab in Workspace 9, the number of attachments is incremented, but the note does not appear.
- Performance issues while running complex Flex applications in Workspace 9.
- (Firefox-specific) Error while saving a form in Workspace 9.
- Although a user has been marked invalid and does not have any items in his worklist, shared worklists are displayed in Workspace 9.

LiveCycle Guides 9

- A script in an XDP to add/remove subforms does not work as intended.
- A DD-MM-YYYY date/time field in a PDF form created with Designer displays as MM-DD-YYYY in Form Guides.
- A Form Bridge issue invalidates the data pre-populating a PDF if the XML schema in use contains custom namespace definitions.

LiveCycle Forms 9

- Form state is not maintained across Acrobat versions. For example, when a form is saved in Acrobat 8 and opened in Acrobat 9, some locked fields are displayed as unlocked and the background for some fields is no longer gray.
- Empty frames are displayed if the following options string is specified for rendering HTML forms:

```
ValidationUI=0&ValidationReporting=1&ValidationBorder=0&OutputType=0&PADebug=0
```
- Attempts to override a message node in an XDP file using server-side scripting fail.
- The `Malformed input PDF or data` exception is generated when merging a PDF file with data using the `FormDataIntegrationClient` class.

Connectors

- ECM Connectors: The `ORIFNAME` attribute is not populated.

Documentation

- Truststore APIs should be documented in [Programming with LiveCycle ES2.5](#) Help.
- The documentation does not state that the Last Name and Given Name fields on the Domain Management screen are mandatory.
- The [Preparing to Install \(Single Server\)](#) guide should prompt users to set the `lower_case_table_names` system variable to 1 on MySQL/UNIX installations. This setting ensures that table names are case-insensitive.
- The FileNet SDK documentation should include information about setting multi-valued properties.
- The “Optimizing inline documents and impact on JVM memory” topic in [LiveCycle ES2 Administration Help](#) requires an update.
- The *Getting Started with Launchpad ES2* document should mention the path for the `adobe-launchpad-component.swc` library.
- The supported platform combination matrix in the [Preparing to Upgrade](#) documentation needs to be updated.
- The [Preparing to Install](#) documentation should mention that X-Window libraries must be available on Linux systems for LiveCycle ES2 installation.
- The [Preparing to Install](#) documentation must state that LiveCycle ES2 Server supports Microsoft Windows XP (SP2 or SP3), Windows Vista (SP1, all flavors, 32-bit and 64-bit), and Windows 7 (32-bit and 64-bit) only for non-production environments. These operating systems are, however, supported for LiveCycle ES2 clients and LiveCycle developer tools.
- In the install documentation, the instructions for configuring WebSphere or WebLogic to support the Business Activity Monitoring ES2 server are unclear.
- The LiveCycle Rights Management 9 Extension for Microsoft Office 2007 Help incorrectly states that:
 - The Paste Special command is unavailable during a protected session
 - The Share Workbook feature in Microsoft Excel 2007 is restricted only by the Copy permission
 - The Excel Options feature is unavailable during a protected session
- The LiveCycle Rights Management 9 Extension for Microsoft Office 2007 Help does not list the restrictions for:
 - The Encrypt Document, Add a Digital Signature, and Mark as Final options for Microsoft Excel 2007
 - The Workflows and File Server Tasks Menu options in Microsoft Excel 2007 and Microsoft Word 2007
- A few topics in the LiveCycle Rights Management 9 Extension for Microsoft Office 2003 Help erroneously state that during a protected session the Customize option is unavailable from the Tools menu.
- The install documentation must provide instructions to configure Oracle Real Application Clusters (RAC).
- Login pages appear even after SSO authentication in the Workspace 9 and LiveCycle Administration Console applications. To fix this, you must create a new realm that filters to `/um/login` and add it to the policy. The troubleshooting documentation must include instructions on how to create the realm and add it to the policy.

Service Pack 2

LiveCycle Foundation

- Error while logging in to LiveCycle Administration Console or Workspace 9 after a database ID change.

- Error while accessing some archive pages using LiveCycle Administration Console. This issue occurs when an LCA file has expired in the Global Directory Storage (GDS).
- Incorrect timestamp for LiveCycle ES2-verified digital signatures on a customer form. This issue is related to time-zone mismatch between LiveCycle ES2 and Acrobat/Reader.
- `DocumentManager` tries to access some database rows even after they've been deleted.
- High CPU usage for the Oracle database is observed while a purge operation is in progress.
- The `ProcessPurgeTool` does not accept '*' as a wildcard/filter.
- A `Document Disposal Timeout` error is observed while trying to manage archives using LiveCycle Administration Console.
- Non-parameterized document manager queries fill up the Oracle database cache.
- `LinkageError` while trying to access a LiveCycle 7.x WSDL file.
- The `Wait QPAC` stalls intermittently with an *Attempting to recover an action-instance* error message.
- SSO authentication problems for a LiveCycle ES2 context object with canonical name hash as the key.
- `DuplicateApplicationException` while deploying LCAs in LiveCycle Configuration Manager, followed by GDS expiration errors in LiveCycle Administration Console.
- Vulnerability: Prepopulating a Guide with XML data could potentially lead to retrieval of a file containing sensitive information, such as system passwords, from the LiveCycle ES2 repository.
- A custom PDF Generator 9 component fails with a `NoClassDefFoundError` at runtime. The same component worked fine with earlier LiveCycle versions.
- `Corba Not Exist` error when a Web-tier application calls the LiveCycle ES2 server.
- When a user deletes all attachments to a task, the subsequent `assign task` activity stalls.
- Users should be able to enter port and operation in the Invoke Web Service dialog box in Workbench 9.5, besides choosing these values from drop-down menus.
- The `Send With Document` operation always uses port 465 and errors out even when SMTP is configured to use port 587.
- For a custom deployment, LiveCycle ES2 reports a critical memory condition, even when no users have been active.
- An XPath string function returns an error while processing Japanese characters.

LiveCycle Content Services 9

- Performance issue: Search operations on heavily-populated content spaces are slow.
- Content Services 9 performance issue while using a SOAP client to retrieve content from heavily-populated content spaces.
- The incorrect `adobe-utilities.jar` file is bundled in the Content Services 9 WAR file.
- Dynamic PDF forms are not searchable in Contentspace 9.
- The file name is not overwritten if the user specifies the same name, but in a different alphabet case. Consider that the repository has a file named `Memo.doc` and the user specifies the name, `MeMo.doc`, for a new document. The contents of `Memo.doc` are overwritten by the contents of `MeMo.doc`, but the name of the resulting file remains `Memo.doc`.

Connectors

- High invocation times are observed for a custom process designed to store documents in the IBM Content Manager repository.

Documentation

- LiveCycle ES2 documentation must specify characters that are not allowed in the end-point name for a service.
- Error while configuring hardware security model (HSM) on a 64-bit system using the workaround described in a TechNote.
- LiveCycle ES2 documentation on configuring JVM arguments for the WebSphere and WebLogic application servers needs to be improved.
- Steps for switching to a runtime Oracle ID from an `init` Oracle ID after bootstrapping LiveCycle ES2 must be documented in a TechNote.
- LiveCycle ES2 release notes must state that adding or removing columns from a Business Activity Monitoring ES2 report resets all data in the report. Any historical data that was present is irretrievably lost.
- LiveCycle ES2 documentation must state that if a LiveCycle ES2 installation includes Content Services 9, the `Maximum JDBC Connection Pool Size` setting for WebLogic must be set to 60 or a higher value.

LiveCycle Process Management 9

- Error while trying to reduce the size of the Global Directory Storage (GDS) by purging completed/terminated processes using the `ProcessPurge` tool.
- `NullPointerException` while using LiveCycle 7.x TaskManager `createTask()` method in LiveCycle ES2 with the LiveCycle 7.x compatibility layer.
- Terminating a sub-process stalls the sub-process's parent action with the following error message:

```
com.adobe.workflow.AWS] stalling action-instance: 328 with message:  
Stalling action since child process is terminated
```
- Error while searching for a task using LiveCycle Administration Console when the process name parameter is empty or null.
- Duplicate process variable in the search template.
- Result rows are missing from the search template.
- For LiveCycle ES2 SP1, `AWS_ACTION` is not populated with the correct action after a form is submitted.
- While defining a search template and defining a process variable criteria for it in LiveCycle Administration Console (Services > LiveCycle Workspace ES2 > Search Templates > Criteria), the *Results* must drop down menu does not have *Skip* as an option.
- The `AttachFileToTask` QPAC from Avoka does not work in the compatibility mode for LiveCycle 7.x.

LiveCycle PDF Generator 9

- Performance issue while converting WordPerfect X4 documents to PDF.
- Error while converting Microsoft Word files to PDF in the multi-thread mode if one or more of the Word files being converted are password-protected.
- The result of a TIFF to PDF/A conversion fails the post-conversion compliance check.
- Conversion time-out error is observed in approximately 600 seconds in a watched folder scenario even when the relevant time-out options are set to much higher values.
- Conversion of Microsoft Excel files to PDF times out if the files are converted in a specific order.

LiveCycle Output 9

- HTML to PDF conversions on SUSE Linux 11 using Output 9 produce a blank PDF. The same operation completes successfully on Windows.
- HTML to PDF conversions using a CSS stylesheet do not produce expected results.
- A process for PDF -> PS -> PDF round-trip conversion fails. The process converts the input PDF file to PS using the `toPS` operation, and the PS file thus obtained to PDF using the Distiller service.
- Using the `toPS` service to convert a PDF file to a .ps file removes the header that was present in the PDF file.
- Checkboxes are rendered differently in PostScript files resulting from a PDF to PS conversion using the `ConvertPdfService`.
- Overlapping text in a table following a page-break when certain XDP data is converted to PDF using `toPS` as the intermediate service for PostScript conversion.

LiveCycle PDF Assembler

- Error while copy-pasting or searching for text inserted into a document using the watermark tag in LiveCycle PDF Assembler.
- `ClassCastException` and `NullPointerException` during PDF/A conversion using the `DocConvertor` service.
- Error while converting a .doc file created using OpenOffice.org to PDF using LiveCycle PDF Assembler.
- Bookmark text created while assembling PDFs is not searchable.
- Error while adding XFDF attachments using LiveCycle PDF Assembler.

LiveCycle Rights Management 9

- Performance issue. When typing in the subject of an email, the text is displayed after a few seconds of delay.
- Cross-site scripting issue for a GET request from the Services > LiveCycle Rights Management ES2 page in LiveCycle Administration Console.
- `searchEventType: Xpath` injection issue for a POST request.
- Microsoft Office crashes if the Rights Management 9 Extension and Think-Cell plug-in are installed together. If one of these extensions are uninstalled, Microsoft Office launches correctly.
- If Rights Management 9 Extension for Microsoft Office is installed along with the Office Live Add-in, Office becomes unstable.
- The Chart Wizard option is not grayed out in Excel 2003 for users who do not have change permissions in Rights Management 9 Extension. However, this option is grayed out correctly in Excel 2007.
- For a specific system environment, when users click **Rights Management > Create and Manage Policies** in a Microsoft Office application, they are redirected to the LiveCycle Administration Console login page instead of the Rights Management 9 login page.

LiveCycle Forms 9

- The size of the PDF file grows considerably when the `exportData` and `importData` operations are executed in succession for the same data.
- Error while using the `FormsServiceClient attachdocument` API.

LiveCycle Workspace 9

- Memory errors while approving a form multiple times without logging out of Workspace 9.

- While viewing a search template in Workspace 9, the text options for column header names and the specified search options differ from the options chosen in the search template layout.

LiveCycle User Management

- When a Japanese user tries to start Workspace 9 with extra URL parameters to directly invoke a process with an endpoint name having double-byte characters, Workspace 9 fails to resolve the endpoint name.
- A custom SPI is not invoked for a User Management login request if the domain name for the SPI is specified while calling it. The same SPI is invoked correctly if its domain name is not specified in the call.
- User Management does not allow processing of Online Certificate Status Protocol (OCSP) requests through a proxy.