



Upgrading Applications to LiveCycle® ES Using APIs

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Adobe® LiveCycle® ES

Update 1

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About This Document

This document provides summary and detailed information about the overall API changes for services in Adobe® LiveCycle® ES (Enterprise Suite). Its purpose is to provide programmers with summary information that is useful when upgrading Adobe LiveCycle™ 7.0 and 7.2 client applications (designated by 7.x) to LiveCycle ES.

Who should read this document?

This document provides information for programmers who would like to upgrade their existing LiveCycle 7.x applications to LiveCycle ES.

Additional information

The resources in this table can help you learn more about LiveCycle ES.

For information about	See
What's new in Adobe LiveCycle ES	What's New for LiveCycle ES
Using APIs to invoke LiveCycle ES	Programming with LiveCycle ES
Installing and configuring LiveCycle Workbench ES	Installing Your Development Environment
How to create your first LiveCycle ES application	Creating Your First LiveCycle ES Application
Service descriptions	LiveCycle ES Services
LiveCycle ES terminology	LiveCycle ES Glossary
Other services and products that integrate with LiveCycle ES	www.adobe.com
Patch updates, technical notes, and additional information on this product version	Adobe LiveCycle Support Center

This chapter describes the overall API changes for services in LiveCycle ES. Its purpose is to provide programmers with summary information that is useful when upgrading LiveCycle 7.0 and 7.2 client applications (designated by 7.x) to LiveCycle ES. In many cases, LiveCycle 7.x APIs are available in LiveCycle ES via a compatibility layer that is available if you selected the upgrade option when installing LiveCycle ES. Your existing code does not have to be immediately modified: this guide is to help you move to the new LiveCycle ES APIs when you are ready to do so. However, to fully leverage the new functionality that has been introduced in LiveCycle ES, you are advised to switch to the new LiveCycle ES APIs, since all LiveCycle 7.x APIs are deprecated. For information about the API mappings, see [Upgrade Service Mappings](#).

Note: The compatibility layer will not work properly when the server is in FIPS mode, as this is an unsupported configuration. FIPS mode requires the server to use only FIPS-approved algorithms, but the LiveCycle 7.x APIs make use of MD-5 and RC-4, which are not FIPS-approved.

LiveCycle Forms 7.x

Adobe LiveCycle Forms 7.x exposes its functionality through an EJB interface, which exposes two APIs, `renderForm` and `processFormSubmission`. LiveCycle Forms 7.x ships a client library containing `EJBClient` and `SOAPClient` Java classes for invoking its functionality through its EJB and web service interfaces respectively. LiveCycle Forms 7.x also provides a `SoapClient.dll` that can be used by .NET clients to invoke its functionality through its web service interface. Adobe LiveCycle Forms ES also exposes its functionality through EJB and web service interfaces. However, Forms ES provides a single class called `FormsServiceClient` that is used for invoking the service through both interfaces. Forms ES does not ship anything similar to `SoapClient.dll`, so .NET client applications must generate their stubs using the Forms ES WSDL, which can be accessed using the following URL:

```
http://<forms host name>:<port>/soap/services/FormsService?wsdl
```

Forms ES provides two flavors of the LiveCycle Forms 7.x `renderForm` API:

- `renderPDFForm` is used for generating PDF form transformations.
- `renderHTMLForm` is used for generating all types of HTML transformations.

This segregation makes the APIs simpler. Many rendering options are specific to PDF or HTML transformations, so the two new methods reduce the number of options available in each case.

In LiveCycle 7.x, PDF and PDF/A transformations were part of LiveCycle Forms 7.x. However, in LiveCycle ES these transformations have been moved to the Output service.

Note: The `xappstore:url` protocol is deprecated in LiveCycle ES. Form designers must now use `repository:/` instead. Existing references to `xappstore:-`-based paths will work, but no new forms should be designed with this protocol.

Note: For information about programmatically using the Forms service, see the “Rendering Forms” section in [Programming with LiveCycle ES](#).

LiveCycle Reader Extensions 7.x

Adobe LiveCycle Reader Extensions 7.x exposes its functionality through EJB interfaces. Adobe LiveCycle Reader Extensions ES exposes its functionality through EJB and web service interfaces.

Some functionality in LiveCycle Reader Extensions 7.x has been implemented in LiveCycle ES by other document services, including Encryption and PDF Utilities. In addition, security access to usage rights credentials is now handled by User Management, thus rendering the password usage in LiveCycle Reader Extensions 7.x a no-op. For more information, see the table showing the mapping to those other services.

Some important mappings for the LiveCycle Reader Extensions 7.x `setUsageRights`, `getUsageRights`, and `getUsageRightsOpenMessage` methods can be found in the table. Note that the `setReaderDownloadMessage` method, which sets the custom Adobe Reader download message that is displayed when a document is opened in a version of Adobe Reader earlier than 6.0, has no equivalent in LiveCycle ES, though it is available through the compatibility layer as a no-op.

Note: The `PDFDocument.linearize` method, though supported in the compatibility layer, will fail without throwing an exception when processing a document that has been modified against the author's wishes.

Note: For information about programmatically using the Reader Extensions service, see the "Assigning Usage Rights" section in [Programming with LiveCycle ES](#).

LiveCycle Workflow 7.x

Adobe LiveCycle Workflow 7.x exposes its functionality through EJB and web service interfaces. Adobe LiveCycle Process Management ES also exposes its functionality through EJB and web service interfaces.

In LiveCycle ES, the invocation of a workflow has been moved to the LiveCycle ES `ServiceClient`. The LiveCycle 7.x `ProcessManager` methods `invoke`, `synchronousInvoke`, and `transientInvoke` are not part of the Process Management ES service. These methods do still exist, however, in the deprecated LiveCycle Workflow 7.x EJB interfaces.

Methods to retrieve the status of a workflow have been moved to the Job Manager Service APIs. Methods to retrieve process status and results do still exist, however, in the deprecated LiveCycle Workflow 7.x EJB interfaces.

Note: The Task Manager Service APIs in LiveCycle Workflow 7.x are not available through the compatibility layer, and the `TemplateManager` interface is not supported in LiveCycle ES.

Migrating from LiveCycle Workflow 7.x to LiveCycle ES APIs

This section provides guidance for customers who are planning to upgrade their applications from Adobe LiveCycle Workflow 7.x to Process Manager Service API.

LiveCycle Workflow 7.x Process Manager APIs

In LiveCycle Workflow 7.x, the `ProcessManager` `invoke`, `synchronousInvoke`, and `transientInvoke` APIs are used to invoke a workflow. In Process Management ES, these APIs have been moved to the `ServiceClient` `invoke(InvocationRequest request)` method. The information

contained in `InvocationRequest` will invoke the workflow that is exposed as a service in LiveCycle ES. When a workflow is deployed in LiveCycle ES, it is exposed using the `invoke` method as shown in the following example.

Example: Invoking a workflow

```
InvocationRequest request = serviceClientFactory.createInvocationRequest (
    service_name, "invoke", params, true
);
serviceClient.invoke(request);
```

The `params` value is a `HashMap` of input parameters to the workflow. The last parameter determines whether to invoke the service synchronously. To replicate the `synchronousInvoke` of LiveCycle Process Manager 7.x, set the value to `true` as shown in the example above.

`transientInvoke` does not exist in Process Management ES. The transient process functionality (which implies not storing state information about a workflow's execution) is defined at design-time by the process designer. If the process designer wants transient functionality, he would mark the workflow as a short-lived process.

Note: For information about invoking processes created in Workbench ES using the LiveCycle ES API, see the "Invoking LiveCycle ES Processes" section in [Programming with LiveCycle ES](#).

Job Manager use for process status and output variables

The Job Manager Service API is used to retrieve the status of a long-lived workflow in Process Management ES. The following methods are available in the Job Manager Service API:

- `getStatus` – retrieves the status of the job or process.
- `getReponse` – retrieves the `InvocationResponse` of the completed process.

LiveCycle Print 7.x

Adobe LiveCycle Print 7.x provides only a web service interface containing two methods called `submit` and `getResult`. The Output service in LiveCycle ES provides both EJB and web service interfaces. The LiveCycle Print 7.x `submit` method is equivalent to the following two methods in the Output service:

- `generatePDFOutput` – for PDF and PDF/A transformations.
- `generatePrintedOutput` – for PCL, ZPL and PostScript® transformations.

There is no change to the `getResult` method.

Note: The Print Specification is deprecated in LiveCycle ES.

Note: For information about programmatically using the Output service, see the "Creating Document Output Streams" section in [Programming with LiveCycle ES](#).

LiveCycle Assembler 7.x

Adobe LiveCycle Assembler 7.x exposes its functionality through EJB and web service interfaces. The Assembler service in LiveCycle ES also exposes its functionality through EJB and web service interfaces.

For the LiveCycle Assembler 7.x `Assembler7.invoke` method, use the LiveCycle ES `ServiceClient` to provide user credentials for Assembler invocations.

When using dynamic XFA-based forms in an assembly in LiveCycle ES, you must first render those forms using the Output service in LiveCycle ES. While the `NoForm` and `NoXFA` elements could be used to flatten dynamic XFA forms in previous releases of LiveCycle Assembler, the compatibility layer does not provide support for those elements, and their usage in LiveCycle ES will result in a `PDFException`.

The error messages displayed may differ in LiveCycle Assembler 7.x from the one thrown by the Assembler service in LiveCycle ES. For example, if the DDX did not pass validation against the specification, in LiveCycle Assembler 7.x the error message refers to a job log, but in LiveCycle ES the job log is not mentioned. However, in `joblog.xml`, the user can find detailed error messages when the debug level is set to finer or finest.

Note: For information about programmatically using the Assembler service, see the “Assembling PDF Documents” section in [Programming with LiveCycle ES](#).

LiveCycle Policy Server 7.x

Adobe LiveCycle Policy Server 7.x exposes its functionality through EJB and web service interfaces. In LiveCycle ES 8.x and later, Policy Server is known as Adobe LiveCycle Rights Management ES. This service exposes its functionality through EJB and web service interfaces.

Both LiveCycle Policy Server 7.x and Rights Management ES offer client manager interfaces, such as `PolicyManager`, that are essentially equivalent. However, the packages have been moved from `com.adobe.edc.sdk` to `com.adobe.livecycle.rightsmanagement.client`. For example, `com.adobe.edc.sdk.LicenseManager.revokeLicense` was changed to `com.adobe.livecycle.rightsmanagement.client.LicenseManager.revokeLicense`. It is also important to note that the service provider interfaces in LiveCycle Policy Server 7.x are not supported by the compatibility layer.

Note: The `EventManager` interface in the LiveCycle Policy Server 7.x SDK will not work with Rights Management ES, as the mechanism for defining event handlers has changed.

The manner in which `EDCFactory` works has changed. In LiveCycle Policy Server 7.x, the example below illustrates how the `EDCFactory` interface is used to create a `PolicyManager` object:

Example: Creating a PolicyManager object (LiveCycle 7.x)

```
//Establish a connection to LiveCycle Policy Server 7.x
EDCFactory apsSession = EDCFactory.connect(apsProperty);
//Create a PolicyManager object
PolicyManager apsPolicyManager = apsSession.getPolicyManager();
```

In Rights Management ES, you would use the `RightsManagementClient` as shown in the following example:

Example: Creating a RightsManagementClient object (LiveCycle ES)

```
ServiceClientFactory factory = ServiceClientFactory.createInstance(
    connectionProps
);
RightsManagementClient client = new RightsManagementClient(factory);
PolicyManager policyMgr = client.getPolicyManager();
```

The LiveCycle Policy Server 7.x `UserManager` interface, which includes the `getUsers` and `getGroups` methods, is not available in Rights Management ES. Those methods have equivalents in the User Manager client interface.

In LiveCycle Policy Server 7.x, the canonical name of the user was in the policy. However, because the canonical name of a user can change (for example if a company reorganizes or a user moves to a different part of the company), there may be circumstances in which a user may no longer be able to open a document. For example, this situation could occur if you update a policy or add new policies to the workflow, and you have hard-coded canonical names in your application. Therefore, it is important to note that in Rights Management ES, policies contain GUIDs instead of canonical names.

Note: EJB and SOAP modes must be enabled in the `server.xml` file. Also, callers other than the super administrator must be granted permissions in order to use certain methods, such as those for creating watermarks.

Note: For information about programmatically using the Rights Management ES service, see the “Protecting Documents with Policies” section in [Programming with LiveCycle ES](#).

LiveCycle Document Security 7.x

Adobe LiveCycle Document Security 7.x exposes its functionality through EJB interfaces. In LiveCycle ES, this functionality is related to Digital Signatures ES, which exposes its functionality through both EJB and web service interfaces.

It should be noted that this document only addresses those features that are implemented by the Adobe LiveCycle Digital Signatures ES solution component. Some functionality in LiveCycle Document Security 7.x has been implemented in LiveCycle ES by other document services, including Encryption and PDF Utilities. For more information, see [Upgrade Service Mappings](#).

Note: The `PDFDocument.linearize` method, though supported in the compatibility layer, will fail without throwing an exception when processing a document that has been modified against the author’s wishes.

Note: For information about programmatically using the Signature service, see the “Digitally Signing and Certifying Documents” section in [Programming with LiveCycle ES](#).

LiveCycle PDF Generator 7.x

Adobe LiveCycle PDF Generator 7.x exposes its functionality through EJB and web service interfaces, REST (HTTP-based) APIs, and compatibility web service APIs for customers upgrading from LiveCycle PDF Generator 7.x. Adobe LiveCycle PDF Generator ES exposes its functionality through both EJB and web service interfaces.

The REST (HTTP-based) APIs are no longer available in PDF Generator ES. However, customers upgrading from LiveCycle PDF Generator 7.x to PDF Generator ES may continue to call the old REST APIs through the compatibility layer, without requiring any changes to be made to their existing code.

Note: When compared with LiveCycle PDF Generator 7.x, there is a slight change in the metadata information of the document that is generated when an XMP file is supplied along with the source file for conversion in PDF Generator ES.

Note: For information about programmatically using the Generate PDF service, see the “Converting Between File Formats and PDF” section in [Programming with LiveCycle ES](#).

Migrating from LiveCycle PDF Generator 7.x to LiveCycle ES APIs

This section provides guidance for customers who are planning to switch from LiveCycle PDF Generator 7.x to PDF Generator ES APIs. It describes the changes that need to be made to the existing code and replacements for LiveCycle PDF Generator 7.x APIs.

In LiveCycle PDF Generator 7.x, the `submitJob`, `submitWebCaptureJob`, and `getJobStatus` methods are used to submit a job asynchronously (for example, the call to `submitJob` returns immediately), and to query the job status (and retrieve the job results), respectively. PDF Generator ES provides no means of making an asynchronous job submission, but you can use the Job Manager Service APIs to submit a job asynchronously to PDF Generator ES and later query for the job status.

The new APIs in PDF Generator ES are summarized in the remainder of this section.

Synchronous job submission

The following methods are used for synchronous job submission:

`DistillerServiceClient.createPDF` is used to submit a PostScript or Encapsulated PostScript file to a PDF conversion job.

`GeneratePDFServiceClient.createPDF` is used to submit a Create PDF job for all file types except PostScript, Encapsulated PostScript and HTML.

`GeneratePDFServiceClient.exportPDF` is used to submit an Export PDF job for converting PDF to any of the supported file types.

`GeneratePDFServiceClient.htmlToPDF` is used to submit an HTML file or URL to a PDF conversion job.

Asynchronous job submission

`ServiceClient.invoke` is used to invoke any PDF Generator ES method asynchronously

`JobManager.getStatus` and `JobManager.getResponse` are used to query the status and retrieve the results of any prior asynchronous job invocation.

The delete job functionality (`deleteJob`), which was used to mark jobs in a queue or with completed status as deleted, has been moved out of LiveCycle PDF Generator 7.x into Job Manager. The new API for deleting a job that has already been submitted asynchronously is `JobManager.terminateJob`.

The `getConfigurationXML` and `getPDFExportXML` methods are no longer provided in the PDF Generator ES APIs, but they are still available through the compatibility layer as well as the `ServiceClient` API for `PDFConfigService`. The use of these methods is discouraged, however, since run-time invocation of these methods can be avoided by retrieving the corresponding XML once through LiveCycle Administration Console, and using it while making calls to other PDF Generator ES methods. The web service version of the `getConfigurationXML` method is no longer available in PDF Generator ES but is still available through the compatibility layer.

The `getJobResultsAsURL` method, which provides the server URL of the output file after conversion in LiveCycle PDF Generator 7.x, is no longer supported in the PDF Generator ES APIs, but is still available through the compatibility layer.

The feature of converting PDF files to other application files, available through the `submitJob` method in LiveCycle PDF Generator 7.x, is now available in the `ExportPDF` method in PDF Generator ES. In LiveCycle PDF Generator 7.x, depending upon the extension of the file submitted, the `createPDF` or `convertPDF` operations were used. Now, the PDF Generator ES `ExportPDF` method is dedicated purely to PDF to file type conversion.

Conversions from PostScript or EPS to PDF in PDF Generator ES are performed by the Distiller service, which must be deployed explicitly in the container. The service should be in a running state before a user performs these conversions. In LiveCycle 7.x, this functionality was available through the `pdfg*all.ear`, which was used for other conversions as well.

The LiveCycle PDF Generator 7.x `submitWebCaptureJob` method (available through both EJB and web service interfaces) used to convert HTML to PDF (URL to PDF requests) is now available in PDF Generator ES through the `HTMLToPDF` method.

LiveCycle User Manager 7.x

The authentication APIs of Adobe LiveCycle User Manager 7.x have not changed and are supported through the compatibility layer. However, a set of new APIs in LiveCycle ES are now exposed through the `AuthenticationManagerServiceClient`, `AuthorizationManagerServiceClient`, `DirectorManagerServiceClient` classes.

2

Upgrade Service Mappings

This chapter provides a mapping between LiveCycle 7.x product names and LiveCycle ES solution components.

For a set of mappings correlating the APIs from those products to their corresponding solution components, refer to the appendices.

Mapping from LiveCycle 7.x products to LiveCycle ES solution components

This section provides a mapping between LiveCycle 7.x products and LiveCycle ES solution components. The Legend column contains service names correlated with the solution components; those names are used in the API mappings.

LiveCycle 7 product name	LiveCycle ES solution component	Legend
Adobe LiveCycle Designer	Adobe LiveCycle Designer ES	Designer
Adobe LiveCycle Forms	Adobe LiveCycle Forms ES	Forms
Adobe LiveCycle Reader Extensions	Adobe LiveCycle Reader Extensions ES	ReaderExtensions
Adobe LiveCycle Workflow	Adobe LiveCycle Process Management ES	ProcessManagement
Adobe LiveCycle Print	Adobe LiveCycle Output ES	Output
Adobe LiveCycle Assembler	Assembler service	Assembler
Adobe LiveCycle Policy Server	Adobe LiveCycle Rights Management ES	RightsManagement
Adobe LiveCycle Document Security	Adobe LiveCycle Digital Signatures ES	DigitalSignatures
Adobe LiveCycle PDF Generator Elements	Adobe LiveCycle PDF Generator ES	GeneratePDF
Adobe LiveCycle PDF Generator Professional	Adobe LiveCycle PDF Generator ES	GeneratePDF
Adobe LiveCycle PDF Generator for Postscript	Adobe LiveCycle PDF Generator ES	GeneratePDF
Adobe User Management	User Manager	UserManager
	PDF Utilities service	PDFUtilities
	Encryption service	Encryption
	XMP Utilities service	XMPUtilities

A LiveCycle Assembler 7.x Mapping

This appendix provides a mapping between LiveCycle Assembler 7.x methods and the Assembler service methods in LiveCycle ES.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.service.ddxm.client.DDXMMsgSet.DDXMMsgSet	Yes	Assembler	com.adobe.service.ddxm.client.DDXMMsgSet.DDXMMsgSet
com.adobe.service.ddxm.client.EnvironmentConstants.EnvironmentConstants	Yes	Assembler	com.adobe.service.ddxm.client.EnvironmentConstants.EnvironmentConstants
com.adobe.service.ddxm.client.OutputMapConstants.OutputMapConstants	Yes	Assembler	com.adobe.service.ddxm.client.OutputMapConstants.OutputMapConstants
com.adobe.service.pdfm.Assembler7.getVersion	Yes	Assembler	com.adobe.livecycle.assembler.AssemblerService.getVersion
com.adobe.service.pdfm.Assembler7.invoke	Yes	Assembler	com.adobe.livecycle.assembler.AssemblerService.invokeDDX
com.adobe.service.pdfm.Assembler7.login	No	Assembler	
com.adobe.service.pdfm.Assembler7.preloadFonts	No	Assembler	
com.adobe.service.pdfm.Assembler7Home.create	No	Assembler	
com.adobe.service.pdfm.Assembler7Local.getVersion	No	Assembler	
com.adobe.service.pdfm.Assembler7Local.invoke	No	Assembler	
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com.adobe.service.pdfm.Assembler7Local.preloadFonts	No	Assembler	
com.adobe.service.pdfm.Assembler7LocalHome.create	No	Assembler	
com.adobe.service.pdfm.Assembler7Util.generateGUID	No	Assembler	
com.adobe.service.pdfm.Assembler7Util.getHome	No	Assembler	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.service.pdfm.Assembler7Util. getHome(java.util.Hashtable)	No	Assembler	
com.adobe.service.pdfm.Assembler7Util.getLocalHome	No	Assembler	
com.adobe.service.pdfm.client.ASMMsgSet.ASMMsgSet	Yes	Assembler	com.adobe.service.pdfm.client.ASMMsgSet.ASMMsgSet
com.adobe.service.pdfm.client.AssemblerException. AssemblerException()	Yes	Assembler	com.adobe.livecycle.assembler.client.AssemblerException. AssemblerException()
com.adobe.service.pdfm.client.AssemblerException. AssemblerException(java.lang.String)	Yes	Assembler	com.adobe.livecycle.assembler.client.AssemblerException. AssemblerException(java.lang.String)
com.adobe.service.pdfm.client.AssemblerException. AssemblerException(java.lang.String, java.lang.Throwable)	Yes	Assembler	com.adobe.livecycle.assembler.client.AssemblerException. AssemblerException(java.lang.String, java.lang.Throwable)
com.adobe.service.pdfm.client.AssemblerException. AssemblerException(java.lang.Throwable)	Yes	Assembler	com.adobe.livecycle.assembler.client.AssemblerException. AssemblerException(java.lang.Throwable)
com.adobe.service.pdfm.client.AuthorizeException. AuthorizeException()	No	Assembler	
com.adobe.service.pdfm.client.AuthorizeException. AuthorizeException(java.lang.String)	No	Assembler	
com.adobe.service.pdfm.client.AuthorizeException. AuthorizeException(java.lang.String, java.lang.Throwable)	No	Assembler	
com.adobe.service.pdfm.client.AuthorizeException. AuthorizeException(java.lang.Throwable)	No	Assembler	
com.adobe.service.pdfm.client.EnvironmentConstants. EnvironmentConstants	No	Assembler	
com.adobe.service.pdfm.client.LoginException.LoginException()	No	Assembler	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.service.pdfm.client.LoginException. LoginException(java.lang.String)	No	Assembler	
com.adobe.service.pdfm.client.LoginException. LoginException(java.lang.String, java.lang.Throwable)	No	Assembler	
com.adobe.service.pdfm.client.LoginException. LoginException(java.lang.Throwable)	No	Assembler	
com.adobe.service.pdfm.client.OperationException. OperationException()	Yes	Assembler	com.adobe.livecycle.assembler.client.OperationException. OperationException()
com.adobe.service.pdfm.client.OperationException. OperationException(java.lang.String)	Yes	Assembler	com.adobe.livecycle.assembler.client.OperationException. OperationException(java.lang.String)
com.adobe.service.pdfm.client.OperationException. OperationException(java.lang.String, java.lang.Throwable)	Yes	Assembler	com.adobe.livecycle.assembler.client.OperationException. OperationException(java.lang.String, java.lang.Throwable)
com.adobe.service.pdfm.client.OperationException. OperationException(java.lang.Throwable)	Yes	Assembler	com.adobe.livecycle.assembler.client.OperationException. OperationException(java.lang.Throwable)
com.adobe.service.pdfm.client.OutputMapConstants. OutputMapConstants	No	Assembler	
com.adobe.service.pdfm.client.PDFMMsgSet.PDFMMsgSet	Yes	Assembler	com.adobe.service.pdfm.client.PDFMMsgSet.PDFMMsgSet
com.adobe.service.pdfm.client.ProcessingException. ProcessingException()	Yes	Assembler	com.adobe.livecycle.assembler.client.ProcessingException. ProcessingException()
com.adobe.service.pdfm.client.ProcessingException. ProcessingException(java.lang.String)	Yes	Assembler	com.adobe.livecycle.assembler.client.ProcessingException. ProcessingException(java.lang.String)
com.adobe.service.pdfm.client.ProcessingException. ProcessingException(java.lang.String, java.lang.Throwable)	Yes	Assembler	com.adobe.livecycle.assembler.client.ProcessingException. ProcessingException(java.lang.String, java.lang.Throwable)
com.adobe.service.pdfm.client.ProcessingException. ProcessingException(java.lang.Throwable)	Yes	Assembler	com.adobe.livecycle.assembler.client.ProcessingException. ProcessingException(java.lang.Throwable)

B LiveCycle Document Security 7.x Mapping

This appendix provides a mapping between LiveCycle Document Security 7.x methods and LiveCycle Digital Signatures ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
PDFDocument.addInvisibleSignatureField	Yes	Signature	com.adobe.livecycle.signatureservice.client. SignatureServiceClient.addInvisibleSignatureField	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.addSignatureField	Yes	Signature	com.adobe.livecycle.signatureservice.client. SignatureServiceClient.addSignatureField	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.applyPolicy	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. DocumentManager.applyPolicy	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.certify	Yes	Signature	com.adobe.livecycle.signatureservice.client. SignatureServiceClient.certify	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.encryptForRecipients	No			not available in LiveCycle ES
PDFDocument.encryptWithPassword	Yes	Encryption	com.adobe.livecycle.encryption. EncryptionServiceInterface. encryptPDFUsingPassword	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getCertifyingSignatureField	Yes	Signature	com.adobe.livecycle.signatureservice.client. SignatureServiceClient. getCertifyingSignatureField	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getLegalWarnings	Yes	Signature	com.adobe.livecycle.signatureservice.client.types. PDFSignatureInfo.getLegalAttestations	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getLicenseID	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. DocumentManager.getLicenseID	LiveCycle 7 source: PDF Manipulation Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
PDFDocument.getSignatureField	Yes	Signature	com.adobe.livecycle.signatureservice.client. SignatureServiceClient.getSignature	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getSignatureFieldList	No			LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getXMP	Yes	XMP Utilities	com.adobe.livecycle.xmputilities.XMPUtilitiesService.exportXMP	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.importXMP	Yes	XMP Utilities	com.adobe.livecycle.xmputilities.XMPUtilitiesService. importXMP	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.linearize	Yes	PDF Utilities	com.adobe.livecycle.pdfutilities.PDFUtilitiesService. setSaveMode	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.removeEncryption	Yes	Encryption	com.adobe.livecycle.encryption. EncryptionServiceInterface. removePDFPasswordSecurity, com.adobe.livecycle.rightsmanagement.client. DocumentManager.removeAPSSecurity	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.save	No			LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.getEncryptionVersion	Yes	Encryption	com.adobe.livecycle.encryption. EncryptionServiceInterface.getPDFEncryption	LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDF	No			LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDFWithAPS	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. DocumentManager.UnlockPDFUsingAPS	LiveCycle 7 source: PDF Manipulation Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
PDFFactory.openPDFWithCredentials	Yes	Encryption	com.adobe.livecycle.encryption.client.EncryptionServiceClient.unlockPDFUsingCredential	LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDFWithPassword	Yes	Encryption	com.adobe.livecycle.encryption.client.EncryptionServiceClient.unlockPDFUsingPassword	LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.appendItem	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.createFirstItem	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.registerNamespace	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.removeItem	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.save	Yes	XMP Utilities	com.adobe.livecycle.xmputilities.XMPUtilitiesService.exportXMP	LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.setItem	No			LiveCycle 7 source: PDF Manipulation Module API
SignatureField.getFieldName	Yes	Signature	com.adobe.livecycle.signatureservice.client.SignatureServiceClientInterface.getSignatureFieldList	LiveCycle 7 source: PDF Manipulation Module API
SignatureField.getSignatureInfoEx	Yes	Signature	com.adobe.livecycle.signatureservice.client.SignatureServiceClientInterface.verify	LiveCycle 7 source: PDF Manipulation Module API
SignatureField.getSignedVersion	Yes	Signature	com.adobe.livecycle.signatureservice.client.SignatureServiceClientInterface.getSignedVersion	LiveCycle 7 source: PDF Manipulation Module API
SignatureField.sign	Yes	Signature	com.adobe.livecycle.signatureservice.client.SignatureServiceClientInterface.sign	LiveCycle 7 source: PDF Manipulation Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
DataBuffer.getBufLength	No			LiveCycle 7 source: Data Manager Module API
DataBuffer.getBytes	No			LiveCycle 7 source: Data Manager Module API
DataBuffer.getContentType	No			LiveCycle 7 source: Data Manager Module API
DataBuffer.setContentType	No			LiveCycle 7 source: Data Manager Module API
DataManager.createFileDataBuffer	No			LiveCycle 7 source: Data Manager Module API
DataManager.createFileDataBufferFromURL	No			LiveCycle 7 source: Data Manager Module API
DataManager.getTempFileName	No			LiveCycle 7 source: Data Manager Module API
DataManager.manageTempFile	No			LiveCycle 7 source: Data Manager Module API
FileDataBuffer.getFilePath	No			LiveCycle 7 source: Data Manager Module API
DMUtils.getDataBuffer	No			LiveCycle 7 source: Data Manager Module API
DMUtils.getDataHandler	No			LiveCycle 7 source: Data Manager Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
DMUtils.getInputStream	No			LiveCycle 7 source: Data Manager Module API
ConnectionFactory.getConnection	No			LiveCycle 7 source: Connection API

C | LiveCycle Reader Extensions 7.x Mapping

This appendix provides a mapping between LiveCycle Reader Extensions 7.x methods and LiveCycle Reader Extensions ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
PDFDocument.encryptWithPassword	Yes	Encryption	com.adobe.livecycle.encryption. EncryptionServiceInterface. encryptPDFUsingPassword	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getXMP	Yes	XMP Utilities	com.adobe.livecycle.xmputilities. XMPUtilitiesService.exportXMP	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getUsageRights	Yes	Reader Extensions	com.adobe.livecycle.readerextensions.client. ReaderExtensionsClient. getDocumentUsageRights(Document)	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.getUsageRightsOpenMessage	Yes	Reader Extensions	com.adobe.livecycle.readerextensions.client. ReaderExtensionsClient. getDocumentUsageRights(Document)	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.importXMP	Yes	XMP Utilities	com.adobe.livecycle.xmputilities. XMPUtilitiesService.importXMP	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.linearize	Yes	PDF Utilities	com.adobe.livecycle.pdfutilities.PDFUtilitiesService. setSaveMode	LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.removeEncryption	Yes	Encryption	com.adobe.livecycle.encryption. EncryptionServiceInterface. removePDFPasswordSecurity, com.adobe.livecycle.rightsmanagement.client. DocumentManager.removeAPSSecurity	LiveCycle 7 source: PDF Manipulation Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
PDFDocument.save	No			LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.setReaderDownloadMessage	No			LiveCycle 7 source: PDF Manipulation Module API
PDFDocument.setUsageRights	Yes	Reader Extensions	com.adobe.livecycle.readerextensions.client.ReaderExtensionsClient.applyUsageRights	LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.getCredentialUsageRightsSettings	Yes	Reader Extensions	com.adobe.livecycle.readerextensions.client.ReaderExtensionsClient.getCredentialUsageRights	LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.getEncryptionVersion	Yes	Encryption	com.adobe.livecycle.encryption.EncryptionServiceInterface.getPDFEncryption	LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDF	No			LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDFWithAPS	Yes	Reader Extensions	com.adobe.livecycle.rightsmanagement.client.DocumentManager.UnlockPDFUsingAPS	LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDFWithCredentials	No			LiveCycle 7 source: PDF Manipulation Module API
PDFFactory.openPDFWithPassword	Yes	Encryption	com.adobe.livecycle.encryption.EncryptionServiceInterface.unlockPDFUsingPassword	LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.appendItem	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.createFirstItem	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.registerNamespace	No			LiveCycle 7 source: PDF Manipulation Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
XMPMetadata.removeItem	No			LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.save	Yes	XMP Utilities	com.adobe.livecycle.xmputilities.XMPUtilitiesService.exportXMP	LiveCycle 7 source: PDF Manipulation Module API
XMPMetadata.setItem	No			LiveCycle 7 source: PDF Manipulation Module API
DataBuffer.getBufLength	No			LiveCycle 7 source: Data Manager Module API
DataBuffer.getBytes	No			LiveCycle 7 source: Data Manager Module API
DataBuffer.getContentType	No			LiveCycle 7 source: Data Manager Module API
DataBuffer.setContentType	No			LiveCycle 7 source: Data Manager Module API
DataManager.createFileDataBuffer	No			LiveCycle 7 source: Data Manager Module API
DataManager.createFileDataBufferFromURL	No			LiveCycle 7 source: Data Manager Module API
DataManager.getTempFileName	No			LiveCycle 7 source: Data Manager Module API
DataManager.manageTempFile	No			LiveCycle 7 source: Data Manager Module API
FileDataBuffer.getFilePath	No			LiveCycle 7 source: Data Manager Module API

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
DMUtils.getDataBuffer	No			LiveCycle 7 source: Data Manager Module API
DMUtils.getDataHandler	No			LiveCycle 7 source: Data Manager Module API
DMUtils.getInputStream	No			LiveCycle 7 source: Data Manager Module API
ConnectionFactory.getConnection	No			LiveCycle 7 source: Connection API

D LiveCycle Forms 7.x Mapping

This appendix provides a mapping between LiveCycle Forms 7.x methods and LiveCycle Forms ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.client.EJBClient.create	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.EJBClient()	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.EJBClient(java.util.Properties)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient.FormsServiceClient(com.adobe.idp.dsc.clientsdk.ServiceClientFactory)
com.adobe.formServer.client.EJBClient.EJBClient(javax.naming.InitialContext)	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.getDocuments	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.getEJBType	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.getInitialContext	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.getInvocationContext	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.getJNDIName	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.initCache	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.processFormSubmission(byte[], java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient.processFormSubmission()
com.adobe.formServer.client.EJBClient.processFormSubmission(Document, java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient.processFormSubmission()

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.client.EJBClient. processFormSubmission(java.lang.Object, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. processFormSubmission()
com.adobe.formServer.client.EJBClient. renderForm(java.lang.String, java.lang.String, byte[], java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. renderHTMLForm(), com.adobe.livecycle.formsservice.client. FormsServiceClient.renderPDFForm()
com.adobe.formServer.client.EJBClient. renderForm(java.lang.String, java.lang.String, Document, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. renderHTMLForm(), com.adobe.livecycle.formsservice.client. FormsServiceClient.renderPDFForm()
com.adobe.formServer.client.EJBClient.setInitialContext	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.setInvocationContext	No	Forms	No Mapping
com.adobe.formServer.client.EJBClient.setJNDIName	No	Forms	No Mapping
com.adobe.formServer.client.FormServerFactory.create	No	Forms	No Mapping
com.adobe.formServer.client.FormServerFactory. FormServerFactory	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.create	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.getInvocationContext	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.getSoapEndPoint	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient. processFormSubmission(byte[], java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. processFormSubmission()
com.adobe.formServer.client.SOAPClient. processFormSubmission(Document, java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. processFormSubmission()

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.client.SOAPClient. processFormSubmission(java.lang.Object, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. processFormSubmission()
com.adobe.formServer.client.SOAPClient. renderForm(java.lang.String, java.lang.String, byte[], java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. renderHTMLForm(), com.adobe.livecycle.formsservice.client. FormsServiceClient.renderPDFForm()
com.adobe.formServer.client.SOAPClient. renderForm(java.lang.String, java.lang.String, Document, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. renderHTMLForm(), com.adobe.livecycle.formsservice.client. FormsServiceClient.renderPDFForm()
com.adobe.formServer.client.SOAPClient.setInvocationContext	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.setPassword	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.setSoapEndPoint	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.setUsername	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient.SOAPClient()	No	Forms	No Mapping
com.adobe.formServer.client.SOAPClient. SOAPClient(java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsServiceClient. FormsServiceClient(com.adobe.idp.dsc.clientsdk. ServiceClientFactory)
com.adobe.formServer.interfaces.FormServerException. FormServerException()	Yes	Forms	com.adobe.livecycle.formservice.exception. FormServerException.FormServerException()
com.adobe.formServer.interfaces.FormServerException. FormServerException(IRunTimeContext, java.lang.String, int, boolean)	Yes	Forms	com.adobe.livecycle.formservice.exception. FormServerException. FormServerException(IRunTimeContext, java.lang.String, int, boolean)

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.interfaces.FormServerException. FormServerException(IRunTimeContext, java.lang.String, java.lang.String[], int, boolean)	Yes	Forms	com.adobe.livecycle.formservice.exception. FormServerException.FormServerException(IRunTimeContext, java.lang.String, java.lang.String[], int, boolean)
com.adobe.formServer.interfaces.FormServerException. FormServerException(java.lang.Exception)	Yes	Forms	com.adobe.livecycle.formservice.exception. FormServerException.FormServerException(java.lang.Exception)
com.adobe.formServer.interfaces.FormServerException. FormServerException(java.lang.String)	Yes	Forms	com.adobe.livecycle.formservice.exception. FormServerException.FormServerException(java.lang.String)
com.adobe.formServer.interfaces.FormServerException. FormServerException(java.lang.String, java.lang.Throwable)	Yes	Forms	com.adobe.livecycle.formservice.exception. FormServerException.FormServerException(java.lang.String, java.lang.Throwable)
com.adobe.formServer.interfaces.IFormServer. processFormSubmission(byte[], java.lang.String, java.lang.String, java.lang.String)	No	Forms	No Mapping
com.adobe.formServer.interfaces.IFormServer. processFormSubmission(Document, java.lang.String, java.lang.String, java.lang.String)	No	Forms	No Mapping
com.adobe.formServer.interfaces.IFormServer. processFormSubmission(java.lang.Object, java.lang.String)	No	Forms	No Mapping
com.adobe.formServer.interfaces.IFormServer. renderForm(java.lang.String, java.lang.String, byte[], java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String)	No	Forms	No Mapping
com.adobe.formServer.interfaces.IFormServer. renderForm(java.lang.String, java.lang.String, Document, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String)	No	Forms	No Mapping

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.interfaces.IFormServer. setInvocationContext	No	Forms	No Mapping
com.adobe.formServer.interfaces.IOutputContext. getAttachments	No	Forms	No Mapping
com.adobe.formServer.interfaces.IOutputContext.getCharSet	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult.getCharSet
com.adobe.formServer.interfaces.IOutputContext.getClickedBtn	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getClickedBtn
com.adobe.formServer.interfaces.IOutputContext. getContentType	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getContentType
com.adobe.formServer.interfaces.IOutputContext. getFormQuery	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getFormQuery
com.adobe.formServer.interfaces.IOutputContext.getFSAction	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult.getAction
com.adobe.formServer.interfaces.IOutputContext.getOption	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult.getOption
com.adobe.formServer.interfaces.IOutputContext.getOptions	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult.getOptions
com.adobe.formServer.interfaces.IOutputContext. getOutputContent	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getOutputContent
com.adobe.formServer.interfaces.IOutputContext. getOutputString	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getOutputString
com.adobe.formServer.interfaces.IOutputContext. getOutputXML	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getOutputXML
com.adobe.formServer.interfaces.IOutputContext. getPageCount	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getPageCount
com.adobe.formServer.interfaces.IOutputContext. getPageNumber	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getPageNumber

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.interfaces.IOutputContext. getTransformationID	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getTransformationID
com.adobe.formServer.interfaces.IOutputContext. getValidationErrorsList	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getValidationErrorsList
com.adobe.formServer.interfaces.IOutputContext. getXMLData	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. getXMLData
com.adobe.formServer.interfaces.IOutputContext. saveOutputContent	No	Forms	No Mapping
com.adobe.formServer.interfaces.IOutputContext. setOutputXML	Yes	Forms	com.adobe.livecycle.formsservice.client.FormsResult. setOutputXML
com.adobe.formServer.interfaces. ProcessFormSubmissionException. ProcessFormSubmissionException()	Yes	Forms	com.adobe.livecycle.formsservice.exception. ProcessFormSubmissionException. ProcessFormSubmissionException()
com.adobe.formServer.interfaces. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.Exception)	Yes	Forms	com.adobe.livecycle.formsservice.exception. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.Exception)
com.adobe.formServer.interfaces. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.exception. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.String)
com.adobe.formServer.interfaces. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.String, int, boolean)	Yes	Forms	com.adobe.livecycle.formsservice.exception. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.String, int, boolean)
com.adobe.formServer.interfaces. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.String, java.lang.String[], int, boolean)	Yes	Forms	com.adobe.livecycle.formsservice.exception. ProcessFormSubmissionException. ProcessFormSubmissionException(java.lang.String, java.lang.String[], int, boolean)

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.formServer.interfaces.RenderFormException.RenderFormException()	Yes	Forms	com.adobe.livecycle.formsservice.exception.RenderFormException.RenderFormException()
com.adobe.formServer.interfaces.RenderFormException.RenderFormException(java.lang.Exception)	Yes	Forms	com.adobe.livecycle.formsservice.exception.RenderFormException.RenderFormException(java.lang.Exception)
com.adobe.formServer.interfaces.RenderFormException.RenderFormException(java.lang.String)	Yes	Forms	com.adobe.livecycle.formsservice.exception.RenderFormException.RenderFormException(java.lang.String)
com.adobe.formServer.interfaces.RenderFormException.RenderFormException(java.lang.String, int, boolean)	Yes	Forms	com.adobe.livecycle.formsservice.exception.RenderFormException.RenderFormException(java.lang.String, int, boolean)
com.adobe.formServer.interfaces.RenderFormException.RenderFormException(java.lang.String, java.lang.String[], int, boolean)	Yes	Forms	com.adobe.livecycle.formsservice.exception.RenderFormException.RenderFormException(java.lang.String, java.lang.String[], int, boolean)
com.adobe.formServer.interfaces.RenderFormException.RenderFormException(java.lang.String, java.lang.Throwable)	Yes	Forms	com.adobe.livecycle.formsservice.exception.RenderFormException.RenderFormException(java.lang.String, java.lang.Throwable)

E LiveCycle PDF Generator 7.x Mapping

This appendix provides a mapping between LiveCycle PDF Generator 7.x methods and LiveCycle PDF Generator ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Asynchronous methods	Remarks
com.adobe.native2pdf.api.AESAPIResults.AESAPIResults	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.HtmlToPdfResult	Use com.adobe.idp.dsc.InvocationRequest: HtmlToPDF operation	
com.adobe.native2pdf.api.AESAPIResults.AESAPIResults	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.HtmlToPdfResult	Use com.adobe.idp.dsc.InvocationRequest: ExportPDF operation	
com.adobe.native2pdf.api.AESAPIResults.AESAPIResults	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.HtmlToPdfResult	Use com.adobe.idp.dsc.InvocationRequest: CreatePDF operation	
com.adobe.native2pdf.api.AESAPIResults.AESAPIResults	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.PsToPdfPdfResult	Use com.adobe.idp.dsc.InvocationRequest: CreatePDF operation	
com.adobe.native2pdf.api.PDFGAPI7.getConfigurationXML(java.lang.String, java.lang.String, java.lang.String, com.adobe.idp.Context)	No				

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Asynchronous methods	Remarks
com.adobe.native2pdf.api.PDFGAPI7. getConfigurationXML(java.lang.String, java.lang.String, java.lang.String, int, com.adobe.idp.Context)	No				
com.adobe.native2pdf.api.PDFGAPI7.getJobStatus	Yes	JobManagerService		com.adobe.idp.jobmanager.service.getStatus(JobId jobId)	For querying the status of a submitted Job
com.adobe.native2pdf.api.PDFGAPI7.getPDFExportXML	No				
com.adobe.native2pdf.api.PDFGAPI7.submitJob(java.lang.String, Document, java.lang.String, java.lang.String, Document, int, java.io.Serializable, java.lang.String, java.lang.String, com.adobe.idp.Context)	Yes	JobManagerService		com.adobe.idp.jobmanager.service.createJob((InvocationRequest request, boolean persistent)	Through the com.adobe.idp.dsc.InvocationRequest interface, asynchronous service invocation is possible. This method returns a job identifier.
com.adobe.native2pdf.api.PDFGAPI7.submitJob(java.lang.String, java.io.File, java.lang.String, boolean, java.lang.String, java.io.File, int, java.io.Serializable, java.lang.String, java.lang.String, com.adobe.idp.Context)	Yes	JobManagerService		com.adobe.idp.jobmanager.service.getResponse(JobId jobId)	Once the job has been completed, this method can be used to retrieve the result.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Asynchronous methods	Remarks
com.adobe.native2pdf.api.PDFGAPI7.submitWebCaptureJob(java.lang.String, java.lang.String, java.lang.String, Document, int, java.io.Serializable, java.lang.String, java.lang.String, com.adobe.idp.Context)	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.GeneratePdfServiceClient.htmlToPDF		
com.adobe.native2pdf.api.PDFGAPI7.submitWebCaptureJob(java.lang.String, java.lang.String, java.lang.String, java.io.File, int, java.io.Serializable, java.lang.String, java.lang.String, com.adobe.idp.Context)	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.GeneratePdfServiceClient.htmlToPDF		
com.adobe.native2pdf.api.PDFGAPI7Home.create	No				
com.adobe.native2pdf.api.PDFGInternalAPI7Local.deleteJob	No				
com.adobe.native2pdf.api.PDFGInternalAPI7Local.deleteJobs	No				
com.adobe.native2pdf.api.PDFGInternalAPI7Local.getConfigurationXML(java.lang.String, java.lang.String, java.lang.String)	No				

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Asynchronous methods	Remarks
com.adobe.native2pdf.api.PDFGInternalAPI7Local.getConfigurationXML(java.lang.String, java.lang.String, java.lang.String, int)	No				
com.adobe.native2pdf.api.PDFGInternalAPI7Local.getJobStatus	No				
com.adobe.native2pdf.api.PDFGInternalAPI7Local.submitJob	No				
com.adobe.native2pdf.api.PDFGInternalAPI7Local.submitWebCaptureJob	Yes	Generate PDF	com.adobe.livecycle.generatepdf.client.GeneratePdfServiceClient.htmlToPDF		
com.adobe.native2pdf.api.PDFGInternalAPI7LocalHome.create	No				

F LiveCycle Policy Server 7.x Mapping

This appendix provides a mapping between LiveCycle Policy Server 7.x methods and LiveCycle Rights Management ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.EDCFactory.closeConnection	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EDCFactory.connect	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EDCFactory.EDCFactory	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.RightsManagementClient. RightsManagementClient(ServiceClientFactory)	Changed in LiveCycle ES
com.adobe.edc.sdk.EDCFactory.getClientVersion	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.RightsManagementClient.getClientVersion	
com.adobe.edc.sdk.EDCFactory.getEventManager	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.RightsManagementClient.getEventManager	
com.adobe.edc.sdk.EDCFactory. getLicenseManager	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.RightsManagementClient.getLicenseManager	
com.adobe.edc.sdk.EDCFactory.getPolicyManager	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.RightsManagementClient.getPolicyManager	
com.adobe.edc.sdk.EDCFactory.getServerVersion	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EDCFactory.getUserManager	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.RightsManagementClient. getExternalUserManager	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.EDCFactory. getWatermarkManager	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. RightsManagementClient. getWatermarkManager	
com.adobe.edc.sdk.EventHandlerDefinition. EventHandlerDefinition()	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. EventHandlerDefinition(int[], java.lang.String, java.lang.String)	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. getEventType	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. getHandlerClass	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. getHandlerInitData	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. setEventType	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. setHandlerClass	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventHandlerDefinition. setHandlerInitData	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventManager. getEventHandlers	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventManager. getSubscribableEvents	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventManager. modifyEventsForHandler	Yes	Rights Management		Not available in LiveCycle ES

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.EventManager.registerEventHandler	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventManager.searchForEvents	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventManager.unregisterAllEventHandlers	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.EventManager.unregisterEventHandler	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Event.getCategory	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Event.getName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Event.getType	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.InfomodelObjectFactory.createLicense	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.InfomodelObjectFactory.createLicense	
com.adobe.edc.sdk.infomodel.InfomodelObjectFactory.createPermission	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.InfomodelObjectFactory.createPermission	
com.adobe.edc.sdk.infomodel.InfomodelObjectFactory.createPolicy()	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.InfomodelObjectFactory.createPolicy()	
com.adobe.edc.sdk.infomodel.InfomodelObjectFactory.createPolicy(byte[])	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.InfomodelObjectFactory.createPolicy(byte[])	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel. InfomodelObjectFactory.createPolicyEntry	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.InfomodelObjectFactory. createPolicyEntry	
com.adobe.edc.sdk.infomodel. InfomodelObjectFactory.createSpecialPrincipal	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel. InfomodelObjectFactory.createValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.InfomodelObjectFactory. createValidityPeriod	
com.adobe.edc.sdk.infomodel. InfomodelObjectFactory.createWatermark	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.InfomodelObjectFactory. createWatermark	
com.adobe.edc.sdk.infomodel.License. getAlternateld	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License.getAlternateld	
com.adobe.edc.sdk.infomodel.License. getDocumentName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License.getDocumentName	
com.adobe.edc.sdk.infomodel.License.getId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License.getId	
com.adobe.edc.sdk.infomodel.License. getInstanceVersion	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License. getInstanceVersiongetIssueDate	
com.adobe.edc.sdk.infomodel.License. getIssueDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License.getIssueDate	
com.adobe.edc.sdk.infomodel.License. getIssuingAuthority	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License.getIssuingAuthority	
com.adobe.edc.sdk.infomodel.License.getId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.License.getId	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.License.getPublisher	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.License.getPublisher	
com.adobe.edc.sdk.infomodel.License.getRevocationReason	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.License.getRevocationReason	
com.adobe.edc.sdk.infomodel.License.getRevocationUrl	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.License.getRevocationUrl	
com.adobe.edc.sdk.infomodel.License.getSchemaVersion	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.License.getSchemaVersion	
com.adobe.edc.sdk.infomodel.License.isRevoked	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.License.isRevoked	
com.adobe.edc.sdk.infomodel.License.toXml	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.License.toXml	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter.getDocumentName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.LicenseSearchFilter.getDocumentName	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter.getLicenseIssueBeginDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.LicenseSearchFilter.getLicenseIssueBeginDate	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter.getLicenseIssueEndDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.LicenseSearchFilter.getLicenseIssueEndDate	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter.getPolicyId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.LicenseSearchFilter.getPolicyId	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter.getPublisher	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.LicenseSearchFilter.getPublisher	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.LicenseSearchFilter. LicenseSearchFilter	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.LicenseSearchFilter. LicenseSearchFilter	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter. setDocumentName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.LicenseSearchFilter. setDocumentName	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter. setLicenseIssueBeginDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.LicenseSearchFilter. setLicenseIssueBeginDate	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter. setLicenseIssueEndDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.LicenseSearchFilter. setLicenseIssueEndDate	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter. setPolicyId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.LicenseSearchFilter.setPolicyId	
com.adobe.edc.sdk.infomodel.LicenseSearchFilter. setPublisher	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.LicenseSearchFilter.setPublisher	
com.adobe.edc.sdk.infomodel.PDRLException. PDRLException	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.PDRLException.PDRLException	
com.adobe.edc.sdk.infomodel.Permission. getName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.Permission.getName	
com.adobe.edc.sdk.infomodel.Policy. addPolicyEntry	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.Policy.addPolicyEntry	
com.adobe.edc.sdk.infomodel.Policy. clearPolicyEntries	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.Policy.clearPolicyEntries	
com.adobe.edc.sdk.infomodel.Policy. clearValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client. infomodel.Policy.clearValidityPeriod	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.Policy.getAlternateId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getAlternateId	
com.adobe.edc.sdk.infomodel.Policy.getCreationTime	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getCreationTime	
com.adobe.edc.sdk.infomodel.Policy.getDescription	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getDescription	
com.adobe.edc.sdk.infomodel.Policy.getId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getId	
com.adobe.edc.sdk.infomodel.Policy.getInstanceVersion	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getInstanceVersion	
com.adobe.edc.sdk.infomodel.Policy.getLastModifiedTime	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getLastModifiedTime	
com.adobe.edc.sdk.infomodel.Policy.getName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getName	
com.adobe.edc.sdk.infomodel.Policy.getOfflineLeasePeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getOfflineLeasePeriod	
com.adobe.edc.sdk.infomodel.Policy.getOwner	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getOwner	
com.adobe.edc.sdk.infomodel.Policy.getPolicyEntries	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getPolicyEntries	
com.adobe.edc.sdk.infomodel.Policy.getPolicyProperties	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getPolicyProperties	
com.adobe.edc.sdk.infomodel.Policy.getSchemaVersion	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getSchemaVersion	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.Policy.getType	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getType	
com.adobe.edc.sdk.infomodel.Policy.getValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getValidityPeriod	
com.adobe.edc.sdk.infomodel.Policy.getWatermarkId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.getValidityPeriod	
com.adobe.edc.sdk.infomodel.Policy.isDeleted	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.isDeleted	
com.adobe.edc.sdk.infomodel.Policy.isEncryptAttachmentsOnly	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.isEncryptAttachmentsOnly	
com.adobe.edc.sdk.infomodel.Policy.isPlaintextMetadata	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.isPlaintextMetadata	
com.adobe.edc.sdk.infomodel.Policy.isTracked	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.isTracked	
com.adobe.edc.sdk.infomodel.Policy.removePolicyEntry	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.removePolicyEntry	
com.adobe.edc.sdk.infomodel.Policy.setAlternateId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setAlternateId	
com.adobe.edc.sdk.infomodel.Policy.setDescription	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setDescription	
com.adobe.edc.sdk.infomodel.Policy.setEncryptAttachmentsOnly	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setEncryptAttachmentsOnly	
com.adobe.edc.sdk.infomodel.Policy.setName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setName	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.Policy.setOfflineLeasePeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setOfflineLeasePeriod	
com.adobe.edc.sdk.infomodel.Policy.setPlaintextMetadata	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setPlaintextMetadata	
com.adobe.edc.sdk.infomodel.Policy.setPolicyProperties	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setPolicyProperties	
com.adobe.edc.sdk.infomodel.Policy.setTracked	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setTracked	
com.adobe.edc.sdk.infomodel.Policy.setValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setValidityPeriod	
com.adobe.edc.sdk.infomodel.Policy.setWatermarkId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.setWatermarkId	
com.adobe.edc.sdk.infomodel.Policy.toXml	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Policy.toXml	
com.adobe.edc.sdk.infomodel.PolicyEntry.addPermission	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.addPermission	
com.adobe.edc.sdk.infomodel.PolicyEntry.clearPermissions	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.clearPermissions	
com.adobe.edc.sdk.infomodel.PolicyEntry.clearPrincipal	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.clearPrincipal	
com.adobe.edc.sdk.infomodel.PolicyEntry.clearValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.clearValidityPeriod	
com.adobe.edc.sdk.infomodel.PolicyEntry.getPermissions	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.getPermissions	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.PolicyEntry.getPrincipal	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.getPrincipal	
com.adobe.edc.sdk.infomodel.PolicyEntry.getValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.getValidityPeriod	
com.adobe.edc.sdk.infomodel.PolicyEntry.removePermission	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.removePermission	
com.adobe.edc.sdk.infomodel.PolicyEntry.setPrincipal	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.setPrincipal	
com.adobe.edc.sdk.infomodel.PolicyEntry.setValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicyEntry.setValidityPeriod	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.getName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.getName	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.getOwner	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.getOwner	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.getType	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.getType	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.isIncludePrincipalAttributes	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.isIncludePrincipalAttributes	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.PolicySearchFilter	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.PolicySearchFilter	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.setIncludePrincipalAttributes	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.setIncludePrincipalAttributes	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.setName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.setName	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.PolicySearchFilter.setOwner	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.setOwner	
com.adobe.edc.sdk.infomodel.PolicySearchFilter.setType	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.PolicySearchFilter.setType	
com.adobe.edc.sdk.infomodel.Principal.getCanonicalName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Principal.getDomain	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Principal.getEmailAddress	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Principal.getFullName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Principal.getOrganization	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.Principal.getType	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.getCanonicalName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.getDomainName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.getEmail	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.getFullName	Yes	Rights Management		Not available in LiveCycle ES

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.getUserId	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.PrincipalSearchFilter	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.setCanonicalName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.setDomainName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.setEmail	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.setFullName	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.PrincipalSearchFilter.setUserId	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.infomodel.ValidityPeriod.clear	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.clear	
com.adobe.edc.sdk.infomodel.ValidityPeriod.getAbsoluteNotAfterDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.getAbsoluteNotAfterDate	
com.adobe.edc.sdk.infomodel.ValidityPeriod.getAbsoluteNotBeforeDate	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.getAbsoluteNotBeforeDate	
com.adobe.edc.sdk.infomodel.ValidityPeriod.getRelativeExpirationDays	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.getRelativeExpirationDays	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.ValidityPeriod.isAbsolute	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.isAbsolute	
com.adobe.edc.sdk.infomodel.ValidityPeriod.setAbsoluteValidityPeriod	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.setAbsoluteValidityPeriod	
com.adobe.edc.sdk.infomodel.ValidityPeriod.setRelativeExpirationDays	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.ValidityPeriod.setRelativeExpirationDays	
com.adobe.edc.sdk.infomodel.Watermark.getCustomText	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getCustomText	
com.adobe.edc.sdk.infomodel.Watermark.getHorizontalAlignment	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getHorizontalAlignment	
com.adobe.edc.sdk.infomodel.Watermark.getId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getId	
com.adobe.edc.sdk.infomodel.Watermark.getName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getName	
com.adobe.edc.sdk.infomodel.Watermark.getOpacity	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getOpacity	
com.adobe.edc.sdk.infomodel.Watermark.getRotation	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getRotation	
com.adobe.edc.sdk.infomodel.Watermark.getScale	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getScale	
com.adobe.edc.sdk.infomodel.Watermark.getVerticalAlignment	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.getVerticalAlignment	
com.adobe.edc.sdk.infomodel.Watermark.isBackground	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.isBackground	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.Watermark.isDateIncluded	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.isDateIncluded	
com.adobe.edc.sdk.infomodel.Watermark.isDeleted	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.isDateIncluded	
com.adobe.edc.sdk.infomodel.Watermark.isUserIdIncluded	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.isDeleted	
com.adobe.edc.sdk.infomodel.Watermark.isUserNameIncluded	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.isUserNameIncluded	
com.adobe.edc.sdk.infomodel.Watermark.setBackground	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setBackground	
com.adobe.edc.sdk.infomodel.Watermark.setCustomText	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setCustomText	
com.adobe.edc.sdk.infomodel.Watermark.setDateIncluded	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setDateIncluded	
com.adobe.edc.sdk.infomodel.Watermark.setHorizontalAlignment	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setHorizontalAlignment	
com.adobe.edc.sdk.infomodel.Watermark.setName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setName	
com.adobe.edc.sdk.infomodel.Watermark.setOpacity	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setName	
com.adobe.edc.sdk.infomodel.Watermark.setRotation	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setOpacity	
com.adobe.edc.sdk.infomodel.Watermark.setScale	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setScale	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.infomodel.Watermark.setUserIdIncluded	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setUserIdIncluded	
com.adobe.edc.sdk.infomodel.Watermark.setUserNameIncluded	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setUserNameIncluded	
com.adobe.edc.sdk.infomodel.Watermark.setVerticalAlignment	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.infomodel.Watermark.setVerticalAlignment	
com.adobe.edc.sdk.LicenseManager.changeLicensePolicy	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.changeLicensePolicy	
com.adobe.edc.sdk.LicenseManager.getLicense	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.getLicense	
com.adobe.edc.sdk.LicenseManager.getLicenseByAlternateId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.getLicenseByAlternateId	
com.adobe.edc.sdk.LicenseManager.getLicenses	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.getLicenses	
com.adobe.edc.sdk.LicenseManager.revokeLicense	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.revokeLicense	
com.adobe.edc.sdk.LicenseManager.setLicenseAlternateId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.setLicenseAlternateId	
com.adobe.edc.sdk.LicenseManager.unrevokeLicense	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.unrevokeLicense	
com.adobe.edc.sdk.LicenseManager.updateLicenseRevocationUrl	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.LicenseManager.updateLicenseRevocationUrl	
com.adobe.edc.sdk.PackageReporter.report	Yes	Rights Management		Not available in LiveCycle ES

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.PolicyManager.changePolicyOwner	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.changePolicyOwner	
com.adobe.edc.sdk.PolicyManager.deletePolicy	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.deletePolicy	
com.adobe.edc.sdk.PolicyManager.getPolicies	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.getPolicies	
com.adobe.edc.sdk.PolicyManager.getPolicy	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.getPolicy	
com.adobe.edc.sdk.PolicyManager.getPolicyByAlternateId	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.getPolicyByAlternateId	
com.adobe.edc.sdk.PolicyManager.registerPolicy	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.registerPolicy	
com.adobe.edc.sdk.PolicyManager.updatePolicy	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.PolicyManager.updatePolicy	
com.adobe.edc.sdk.SDKException.getErrorCode	Yes	Rights Management		
com.adobe.edc.sdk.SDKException.SDKException(int)	Yes	Rights Management		
com.adobe.edc.sdk.SDKException.SDKException(java.lang.String, int)	Yes	Rights Management		
com.adobe.edc.sdk.UserManager.getGroups	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.UserManager.getUsers	Yes	Rights Management		Not available in LiveCycle ES
com.adobe.edc.sdk.UserManager.inviteExternalUsers	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.ExternalUserManager.inviteExternalUsers	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.sdk.WatermarkManager.deleteWatermark	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.WatermarkManager.deleteWatermark	
com.adobe.edc.sdk.WatermarkManager.getWatermark	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.WatermarkManager.getWatermark	
com.adobe.edc.sdk.WatermarkManager.getWatermarkByName	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.WatermarkManager.getWatermarkByName	
com.adobe.edc.sdk.WatermarkManager.registerWatermark	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.WatermarkManager.registerWatermark	
com.adobe.edc.sdk.WatermarkManager.updateWatermark	Yes	Rights Management	com.adobe.livecycle.rightsmanagement.client.WatermarkManager.updateWatermark	
com.adobe.edc.server.errors.exception.EDCClientException. EDCClientException(int, java.lang.String)	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCClientException.EDCClientException()	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCClientException.EDCClientException(int, java.lang.String, java.lang.Exception)	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCClientException.EDCClientException(java.lang.Exception)	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCClientException.getClientErrCode	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCClientException.getMessage	Yes	Rights Management		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.errors.exception.EDCClientException.setClientErrCode	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCClientException.setMessage	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.constructor	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.EDCServerException()	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.EDCServerException(java.lang.String, int, int, java.lang.String)	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.EDCServerException(java.lang.String, int, int, java.lang.String, java.lang.Exception)	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.EDCServerException(java.lang.String, int, int, java.lang.String, java.util.List)	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.getErrCode	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.getMessage	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCServerException.getSeverity	Yes	Rights Management		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.errors.exception. EDCServerLoggedException. EDCServerLoggedException(java.lang.String, int, int, java.lang.String)	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerLoggedException. EDCServerLoggedException(java.lang.String, int, int, java.lang.String, boolean)	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerLoggedException. EDCServerLoggedException(java.lang.String, int, int, java.lang.String, java.lang.Exception)	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerLoggedException. EDCServerLoggedException(java.lang.String, int, int, java.lang.String, java.lang.Exception, boolean)	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerLoggedException. EDCServerLoggedException(java.lang.String, int, int, java.lang.String, java.util.List, boolean)	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerSystemException. EDCServerSystemException()	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerSystemException. EDCServerSystemException(EDCServerException)	Yes	Rights Management		
com.adobe.edc.server.errors.exception. EDCServerSystemException.getOrigin	Yes	Rights Management		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.errors.exception.EDCServerSystemException.setOrigin	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.EDCWebserviceException	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.getMessage	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.getMessageId	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.getReason	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.setMessage	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.setMessageld	Yes	Rights Management		
com.adobe.edc.server.errors.exception.EDCWebserviceException.setReason	Yes	Rights Management		
com.adobe.edc.server.spi.authentication.AuthConfigBO.getCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthConfigBO.getDomainName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthProvider.authenticate	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.authentication.AuthProvider.getConfigName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getAuthStatus	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getAuthType	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getErrorMessage	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getExceptions	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getKerberosIntermediateTkt	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.getUsername	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication.AuthResponse.setAuthStatus	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.authentication. AuthResponse.setAuthType	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponse.setDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponse.setErrorMessage	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponse.setExceptions	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponse.setKerberosIntermediateTkt	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponse.setUsername	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.AuthResponseImpl	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getAuthStatus	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getAuthType	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getErrorMessage	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getExceptions	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getKerberosIntermediateTkt	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.getUsername	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setAuthStatus	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setAuthType	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setErrorMessage	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setExceptions	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setKerberosIntermediateTkt	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authentication. AuthResponseImpl.setUsername	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.authorization. ExternalAuthorizer.eval	No			
com.adobe.edc.server.spi.directoryservices. DirectoryGroupProvider.getGroupMembers	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DirectoryPrincipalProvider.getPrincipals	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DirectoryPrincipalProvider.testConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DirectoryProviderConfig. DirectoryProviderConfig(java.lang.String, GroupConfigBO)	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DirectoryProviderConfig. DirectoryProviderConfig(java.lang.String, UserConfigBO)	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices. DirectoryProviderConfig.getDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DirectoryProviderConfig.getGroupConfig	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DirectoryProviderConfig.getUserConfig	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DSGroupContainmentRecord.getEmailMembers	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DSGroupContainmentRecord. getPrincipalMembers	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DSGroupContainmentRecordImpl. addEmailMember	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DSGroupContainmentRecordImpl. addPrincipalMember	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DSGroupContainmentRecordImpl. DSGroupContainmentRecordImpl	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices. DSGroupContainmentRecordImpl. getEmailMembers	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices.DSGroupContainmentRecordImpl.getPrincipalMembers	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSGroupContainmentRecordImpl.toString	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollection.getPrincipalRecords	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollection.getState	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollectionImpl.addDSPrincipalRecord	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollectionImpl.DSPrincipalCollectionImpl	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollectionImpl.getPrincipalRecords	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollectionImpl.getState	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollectionImpl.setState	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices.DSPrincipalCollectionImpl.toString	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecord.getDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecord.getName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecordImpl.DSPrincipalIdRecordImpl	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecordImpl.getDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecordImpl.getName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecordImpl.setDomain	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecordImpl.setName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalIdRecordImpl.toString	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecord.getEmailAliases	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecord.getFriendlyEmail	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecord.getFriendlyName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecord.getFriendlyOrganization	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecord.getPrincipalType	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecord.getUid	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.addEmailAlias	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.DSPrincipalRecordImpl	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.getEmailAliases	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.getFriendlyEmail	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.getFriendlyName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.getFriendlyOrganization	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.getPrincipalType	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.getUid	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.setFriendlyEmail(No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.setFriendlyName	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.setFriendlyOrganization	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.setPrincipalType	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.setUid	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.DSPrincipalRecordImpl.toString	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericGroupConfigBO.GenericGroupConfigBO	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericGroupConfigBO.getCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericGroupConfigBO.getRefGroupProvider	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericGroupConfigBO.setCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericGroupConfigBO.setRefGroupProvider	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericUserConfigBO.GenericUserConfigBO	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericUserConfigBO.getCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.edc.server.spi.directoryservices.GenericUserConfigBO.getRefUserProvider	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericUserConfigBO.setCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GenericUserConfigBO.setRefUserProvider	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GroupConfigBO.getCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.GroupConfigBO.getRefGroupProvider	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.UserConfigBO.getCustomConfiguration	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.directoryservices.UserConfigBO.getRefUserProvider	No			Use the User Manager SPI in LiveCycle ES instead.
com.adobe.edc.server.spi.ersp.RegistrationProvider.initiateRegistration	No			
com.adobe.edc.server.spi.EventHandler.initialize	No			Not available in LiveCycle ES
com.adobe.edc.server.spi.EventHandler.processEvent	No			Not available in LiveCycle ES

G | LiveCycle Print 7.x Mapping

This appendix provides a mapping between LiveCycle Print 7.x methods and LiveCycleOutput ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintClient.PrintClient	No		
com.adobe.printSubmitter.PrintClient.getEndPoint	No		
com.adobe.printSubmitter.PrintClient.getResult	Yes	Output	com.adobe.livecycle.output.client.OutputClient.getResult
com.adobe.printSubmitter.PrintClient.setData	No		
com.adobe.printSubmitter.PrintClient.setEndPoint	No		
com.adobe.printSubmitter.PrintClient.setPrintSpec	No		
com.adobe.printSubmitter.PrintClient.submit	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput, com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput
com.adobe.printSubmitter.PrintContext.getContext	No		
com.adobe.printSubmitter.PrintContext.intValue	No		
com.adobe.printSubmitter.PrintContext.toString	No		
com.adobe.printSubmitter.PrintException.PrintException()	Yes	Output	com.adobe.livecycle.output.exception.OutputException()
com.adobe.printSubmitter.PrintException.PrintException(java.lang.Exception)	Yes	Output	com.adobe.livecycle.output.exception.OutputException(java.lang.Exception)
com.adobe.printSubmitter.PrintException.PrintException(int, int, java.lang.String)	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintException. PrintException(int, java.lang.String)	No		
com.adobe.printSubmitter.PrintException. PrintException(PrintResult)	Yes	Output	com.adobe.livecycle.output.exception.OutputException(Object)
com.adobe.printSubmitter.PrintException.getMessage	No		
com.adobe.printSubmitter.PrintException.getResult	Yes	Output	com.adobe.livecycle.output.exception.OutputException. getResult
com.adobe.printSubmitter.PrintException.setResult	Yes	Output	com.adobe.livecycle.output.exception.OutputException. setResult
com.adobe.printSubmitter.PrintRequest.getResult	No		
com.adobe.printSubmitter.PrintRequest.setData	No		
com.adobe.printSubmitter.PrintRequest.setPrintSpec	No		
com.adobe.printSubmitter.PrintRequest.submit	No		
com.adobe.printSubmitter.PrintResult.PrintResult()	No		
com.adobe.printSubmitter.PrintResult. PrintResult(java.io.InputStream)	No		
com.adobe.printSubmitter.PrintResult. PrintResult(int, java.lang.String)	No		
com.adobe.printSubmitter.PrintResult.addMessage	No		
com.adobe.printSubmitter.PrintResult.getContext	No		
com.adobe.printSubmitter.PrintResult.getMessages	No		
com.adobe.printSubmitter.PrintResult.getPrintSpec	No		
com.adobe.printSubmitter.PrintResult.getRequestId	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintResult.getStatus	No		
com.adobe.printSubmitter.PrintResult.getXMLBytes	No		
com.adobe.printSubmitter.PrintResult.getXMLString	No		
com.adobe.printSubmitter.PrintResult.setContext	No		
com.adobe.printSubmitter.PrintResult.setMessages	No		
com.adobe.printSubmitter.PrintResult.setPrintSpec	No		
com.adobe.printSubmitter.PrintResult.setRequestId	No		
com.adobe.printSubmitter.PrintResult.setStatus	No		
com.adobe.printSubmitter.PrintResult.toString	No		
com.adobe.printSubmitter.PrintServer.PrintServer	No		
com.adobe.printSubmitter.PrintServer.getResult	No		
com.adobe.printSubmitter.PrintServer.run	No		
com.adobe.printSubmitter.PrintServer.setData	No		
com.adobe.printSubmitter.PrintServer.setPrintSpec	No		
com.adobe.printSubmitter.PrintServer.submit	Yes	Output	com.adobe.livecycle.output.client.OutputClient. generatePDFOutput,com.adobe.livecycle.output.client. OutputClient.generatePrintedOutput
com.adobe.printSubmitter.PrintSpec.PrintSpec()	Yes	Output	com.adobe.livecycle.output.client.PDFOutputOptionsSpec(), com.adobe.livecycle.output.client.PrintedOutputOptionsSpec()
com.adobe.printSubmitter.PrintSpec. PrintSpec(java.io.InputStream)	No		
com.adobe.printSubmitter.PrintSpec.PrintSpec(PrintSpec)	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintSpec.getContentRoot	No		
com.adobe.printSubmitter.PrintSpec.getCopies	Yes	Output	com.adobe.livecycle.output.client.PrintedOutputOptionsSpec().getCopies()
com.adobe.printSubmitter.PrintSpec.getDataFile	No		
com.adobe.printSubmitter.PrintSpec.getEmailBody	No		
com.adobe.printSubmitter.PrintSpec.getEmailRecipients	No		
com.adobe.printSubmitter.PrintSpec.getEmailServer	No		
com.adobe.printSubmitter.PrintSpec.getEmailSubject	No		
com.adobe.printSubmitter.PrintSpec.getFileUri	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getFileUri(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getFileUri()
com.adobe.printSubmitter.PrintSpec.getForm()	No		
com.adobe.printSubmitter.PrintSpec.getForm(byte[])	No		
com.adobe.printSubmitter.PrintSpec.getLookAhead	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getLookAhead(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getLookAhead()
com.adobe.printSubmitter.PrintSpec.getOptionString	No		
com.adobe.printSubmitter.PrintSpec.getOutputStream	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.isGenerateManyFiles(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.isGenerateManyFiles()
com.adobe.printSubmitter.PrintSpec.getPrintFormat	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintSpec.getPrintUri	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getPrintURI(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getPrintURI()
com.adobe.printSubmitter.PrintSpec.getRecordLevel	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getRecordLevel(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getRecordLevel()
com.adobe.printSubmitter.PrintSpec.getRecordName	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getRecordName(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getRecordName()
com.adobe.printSubmitter.PrintSpec.getRequestor	No		
com.adobe.printSubmitter.PrintSpec.getServerPrintSpec	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getServerPrintSpec(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getServerPrintSpec()
com.adobe.printSubmitter.PrintSpec.getSniffRules	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.getRules(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.getRules()
com.adobe.printSubmitter.PrintSpec.getXci	No		
com.adobe.printSubmitter.PrintSpec.getXMLBytes	No		
com.adobe.printSubmitter.PrintSpec.getXMLDocument	No		
com.adobe.printSubmitter.PrintSpec.getXMLString	No		
com.adobe.printSubmitter.PrintSpec.isBatch	No		
com.adobe.printSubmitter.PrintSpec.isMultipleOutput	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintSpec.isPCLFormat	No		
com.adobe.printSubmitter.PrintSpec.isPostScriptFormat	No		
com.adobe.printSubmitter.PrintSpec.isSingleOutput	No		
com.adobe.printSubmitter.PrintSpec.isValidated	No		
com.adobe.printSubmitter.PrintSpec.isZPLFormat	No		
com.adobe.printSubmitter.PrintSpec.merge	No		
com.adobe.printSubmitter.PrintSpec.setContentRoot	No		
com.adobe.printSubmitter.PrintSpec.setCopies	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setCopies()
com.adobe.printSubmitter.PrintSpec.setDataFile	No		
com.adobe.printSubmitter.PrintSpec.setEmailBody	No		
com.adobe.printSubmitter.PrintSpec.setEmailRecipients	No		
com.adobe.printSubmitter.PrintSpec.setEmailServer	No		
com.adobe.printSubmitter.PrintSpec.setEmailSubject	No		
com.adobe.printSubmitter.PrintSpec.setFileUri	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setFileURI(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setFileURI()
com.adobe.printSubmitter.PrintSpec.setForm	No		
com.adobe.printSubmitter.PrintSpec.setLookAhead	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setLookAhead(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setLookAhead()
com.adobe.printSubmitter.PrintSpec.setOptionString	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintSpec.setOutputStream	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setGenerateManyFiles(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setGenerateManyFiles()
com.adobe.printSubmitter.PrintSpec.setPrintFormat	No		
com.adobe.printSubmitter.PrintSpec.setPrintUri	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setPrintURI(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setPrintURI()
com.adobe.printSubmitter.PrintSpec.setRecordLevel	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setRecordLevel(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setRecordLevel()
com.adobe.printSubmitter.PrintSpec.setRecordName	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setRecordName(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setRecordName()
com.adobe.printSubmitter.PrintSpec.setRequestor	No		
com.adobe.printSubmitter.PrintSpec.setServerPrintSpec	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setServerPrintSpec(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setServerPrintSpec()
com.adobe.printSubmitter.PrintSpec.setSniffRules	Yes	Output	com.adobe.livecycle.output.client.OutputClient.generatePDFOutput.setRules(), com.adobe.livecycle.output.client.OutputClient.generatePrintedOutput.setRules()
com.adobe.printSubmitter.PrintSpec.waitForResponse	No		
com.adobe.printSubmitter.PrintSpec.setXci	No		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.printSubmitter.PrintSpec.toString	No		
com.adobe.printSubmitter.PrintSpec.validate	No		
com.adobe.printSubmitter.PrintSpec.waitForResponse	No		
com.adobe.printSubmitter.PrintStatus.getStatus	No		
com.adobe.printSubmitter.PrintStatus.intValue	No		
com.adobe.printSubmitter.PrintStatus.toString	No		
com.adobe.printSubmitter.SniffRule.SniffRule	Yes		com.adobe.livecycle.output.client.Rule
com.adobe.printSubmitter.SniffRule.getForm	Yes		com.adobe.livecycle.output.client.Rule.getForm
com.adobe.printSubmitter.SniffRule.getPattern	Yes		com.adobe.livecycle.output.client.Rule.getPattern
com.adobe.printSubmitter.SniffRule.isValid	No		
com.adobe.printSubmitter.SniffRule.match	No		
com.adobe.printSubmitter.SniffRule.setForm	Yes		com.adobe.livecycle.output.client.Rule.setForm
com.adobe.printSubmitter.SniffRule.setPattern	Yes		com.adobe.livecycle.output.client.Rule.setPattern
com.adobe.printSubmitter.SniffRules.SniffRules	No		
com.adobe.printSubmitter.SniffRules.getForm	Yes		com.adobe.livecycle.output.SniffRules.getForm
com.adobe.printSubmitter.SniffRules.validate	No		

H | LiveCycle Workflow 7.x Mapping

This appendix provides a mapping between LiveCycle Workflow 7.x methods and LiveCycle Process Management ES service methods.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. InvocationInfo.getInitialNotesContent	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getInitialNotesContent	The methods for invocation are for backward compatibility only. (EJB implementation not the DSC). A developer would not invoke using these classes directly in LiveCycle ES. They would use the ServiceClient and invoke a service, which may or may not be a workflow.
com.adobe.workflow.manager. InvocationInfo.getInitialNotesTitle	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getInitialNotesTitle	
com.adobe.workflow.manager. InvocationInfo.getInputParameters	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getInputParameters	
com.adobe.workflow.manager. InvocationInfo.getParentProcessId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getParentProcessId	
com.adobe.workflow.manager. InvocationInfo.getProcessId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getProcessId	
com.adobe.workflow.manager. InvocationInfo.getProcessTypeId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getProcessTypeId	
com.adobe.workflow.manager. InvocationInfo.getSpawningActionId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.getSpawningActionId	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. InvocationInfo.setBooleanInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setBooleanInputParameter	
com.adobe.workflow.manager. InvocationInfo.setDoubleInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setDoubleInputParameter	
com.adobe.workflow.manager. InvocationInfo.setFloatInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setFloatInputParameter	
com.adobe.workflow.manager. InvocationInfo.setInputParameters	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setInputParameters	
com.adobe.workflow.manager. InvocationInfo.setIntInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setIntInputParameter	
com.adobe.workflow.manager. InvocationInfo.setListInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setListInputParameter	
com.adobe.workflow.manager. InvocationInfo.setLongInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setLongInputParameter	
com.adobe.workflow.manager. InvocationInfo.setMapInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setMapInputParameter	
com.adobe.workflow.manager. InvocationInfo.setObjectInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setObjectInputParameter	
com.adobe.workflow.manager. InvocationInfo.setParentProcessId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setParentProcessId	
com.adobe.workflow.manager. InvocationInfo.setProcessId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setProcessId	
com.adobe.workflow.manager. InvocationInfo.setProcessTypeId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setProcessTypeId	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. InvocationInfo.setShortInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setShortInputParameter	
com.adobe.workflow.manager. InvocationInfo.setSpawningActionId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setSpawningActionId	
com.adobe.workflow.manager. InvocationInfo.setStringInputParameter	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationInfo.setStringInputParameter	
com.adobe.workflow.manager. InvocationResult.getBranchId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getBranchId	
com.adobe.workflow.manager. InvocationResult.getCreatorId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getCreatorId	
com.adobe.workflow.manager. InvocationResult.getInvocationStatus	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getInvocationStatus	
com.adobe.workflow.manager. InvocationResult.getLastActionId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getLastActionId	
com.adobe.workflow.manager. InvocationResult.getOutputParameters	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getOutputParameters	
com.adobe.workflow.manager. InvocationResult.getProcessId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getProcessId	
com.adobe.workflow.manager. InvocationResult.getProcessTypeId	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.getProcessTypeId	
com.adobe.workflow.manager. InvocationResult.wasTransient	Yes	ProcessManagement	com.adobe.workflow.manager. InvocationResult.wasTransient	
com.adobe.workflow.manager. ProcessManager.completeAction(long)	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.completeAction(String)	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. ProcessManager.completeAction(long, java. lang.String)	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.completeAction(String, String)	
com.adobe.workflow.manager. ProcessManager.completeProcess	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.completeProcess(String)	
com.adobe.workflow.manager. ProcessManager.createActionLog	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.createActionLog	
com.adobe.workflow.manager. ProcessManager.createActionNote	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.createActionNote	
com.adobe.workflow.manager. ProcessManager.createProcessNote	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.createProcessNote	
com.adobe.workflow.manager. ProcessManager.getNextProcessId	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.getNextProcessId	
com.adobe.workflow.manager. ProcessManager.getResults	No	ProcessManagement		Moved to Job Manager API to retrieve the result of a long lived process.
com.adobe.workflow.manager. ProcessManager.getStatus	No	ProcessManagement		Moved to Job Manager API to retrieve the result of a long lived process.
com.adobe.workflow.manager. ProcessManager.invoke	No	ProcessManagement		
com.adobe.workflow.manager. ProcessManager.newInvocationInfo	No	ProcessManagement		
com.adobe.workflow.manager. ProcessManager.newUpdateProcessInfo	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. ProcessManager.newWaitForEventInfo	No	ProcessManagement		Not needed in LiveCycle ES if your workflow uses the event Service. This can be replicated, but it is not generic. Events must be explicitly defined in a workflow.
com.adobe.workflow.manager. ProcessManager.postMessageToAction	No	ProcessManagement		
com.adobe.workflow.manager. ProcessManager.retryAction	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.retryAction	
com.adobe.workflow.manager. ProcessManager.retryBranch	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.retryBranch	
com.adobe.workflow.manager. ProcessManager.scheduleMessageForAction	No	ProcessManagement		Would be part of the Scheduler Service, does not exist as part of Process Management.
com.adobe.workflow.manager. ProcessManager.sendMessageToAction(long, ProcessMessage)	No	ProcessManagement		Would be part of the Scheduler Service, does not exist as part of Process Management.
com.adobe.workflow.manager. ProcessManager.sendMessageToAction(java. lang.Long, ProcessMessage)	No	ProcessManagement		Would be part of the Scheduler Service, does not exist as part of Process Management.
com.adobe.workflow.manager. ProcessManager.setContext	No	ProcessManagement		Would be part of the Scheduler Service, does not exist as part of Process Management.
com.adobe.workflow.manager. ProcessManager.stallAction	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.stallAction	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. ProcessManager.suspendProcess	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.suspendProcess	
com.adobe.workflow.manager. ProcessManager.synchronousInvoke	No	ProcessManagement		This would be part of the Client SDK to invoke a service. It does not exist as part of Process Management.
com.adobe.workflow.manager. ProcessManager.terminateAction	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.terminateAction	
com.adobe.workflow.manager. ProcessManager.terminateProcess	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.terminateProcess	
com.adobe.workflow.manager. ProcessManager.unSuspendProcess	Yes	ProcessManagement	com.adobe.livecycle.workflow.client. ProcessManager.unSuspendProcess	
com.adobe.workflow.manager. ProcessManager.waitForEvent	Yes	ProcessManagement	Would be replaced by new LC8 Events Service	
com.adobe.workflow.manager. UpdateProcessInfo.getProcessData	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo.getProcessData	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo.setProcessData	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo.setProcessData	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataBooleanValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataBooleanValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataDoubleValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataDoubleValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataFloatValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataFloatValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo.setProcessDataIntValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataIntValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo.setProcessDataLongValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataLongValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo.setProcessDataShortValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataShortValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataStringValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo. setProcessDataStringValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. UpdateProcessInfo.setProcessDataValue	Yes	ProcessManagement	com.adobe.workflow.manager. UpdateProcessInfo.setProcessDataValue	Not exposed in the Process Management DSC. Provides backward compatibility for the LiveCycle 7x EJB implementation.
com.adobe.workflow.manager. WaitForEventInfo.getActionId	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.getActionId	
com.adobe.workflow.manager. WaitForEventInfo.getBranchId	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.getBranchId	
com.adobe.workflow.manager. WaitForEventInfo.getEventType	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.getEventType	
com.adobe.workflow.manager. WaitForEventInfo.getProcessId	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.getProcessId	
com.adobe.workflow.manager. WaitForEventInfo.getTimeToWait	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.getTimeToWait	
com.adobe.workflow.manager. WaitForEventInfo.setActionId	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.setActionId	
com.adobe.workflow.manager. WaitForEventInfo.setBranchId	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.setBranchId	
com.adobe.workflow.manager. WaitForEventInfo.setEventType	Yes	ProcessManagement	com.adobe.workflow.manager. WaitForEventInfo.setEventType	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager.WaitForEventInfo.setProcessId	Yes	ProcessManagement	com.adobe.workflow.manager.WaitForEventInfo.setProcessId	
com.adobe.workflow.manager.WaitForEventInfo.setTimeToWait	Yes	ProcessManagement	com.adobe.workflow.manager.WaitForEventInfo.setTimeToWait	
com.adobe.workflow.manager.WaitForEventResult.getActionId	Yes	ProcessManagement	com.adobe.workflow.manager.WaitForEventResult.getActionId	
com.adobe.workflow.manager.WaitForEventResult.getBranchId	Yes	ProcessManagement	com.adobe.workflow.manager.WaitForEventResult.getBranchId	
com.adobe.workflow.manager.WaitForEventResult.getEventType	Yes	ProcessManagement	com.adobe.workflow.manager.WaitForEventResult.getEventType	
com.adobe.workflow.manager.WaitForEventResult.getProcessId	Yes	ProcessManagement	com.adobe.workflow.manager.WaitForEventResult.getProcessId	
com.adobe.workflow.manager.ProcessMessage.ProcessMessage	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.ProcessMessage	
com.adobe.workflow.manager.ProcessMessage.getBooleanProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getBooleanProperty	
com.adobe.workflow.manager.ProcessMessage.getDirectedRoute	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getDirectedRoute	
com.adobe.workflow.manager.ProcessMessage.getDoubleProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getDoubleProperty	
com.adobe.workflow.manager.ProcessMessage.getFloatProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getFloatProperty	
com.adobe.workflow.manager.ProcessMessage.getId	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getId	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager.ProcessMessage.getIntProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getIntProperty	
com.adobe.workflow.manager.ProcessMessage.getLongProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getLongProperty	
com.adobe.workflow.manager.ProcessMessage.getObjectProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getObjectProperty	
com.adobe.workflow.manager.ProcessMessage.getShortProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getShortProperty	
com.adobe.workflow.manager.ProcessMessage.getStringProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.getStringProperty	
com.adobe.workflow.manager.ProcessMessage.setBooleanProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setBooleanProperty	
com.adobe.workflow.manager.ProcessMessage.setDirectedRoute	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setDirectedRoute	
com.adobe.workflow.manager.ProcessMessage.setDoubleProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setDoubleProperty	
com.adobe.workflow.manager.ProcessMessage.setFloatProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setFloatProperty	
com.adobe.workflow.manager.ProcessMessage.setId	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setId	
com.adobe.workflow.manager.ProcessMessage.setIntProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setIntProperty	
com.adobe.workflow.manager.ProcessMessage.setLongProperty	Yes	ProcessManagement	com.adobe.workflow.manager.ProcessMessage.setLongProperty	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. ProcessMessage.setObjectProperty	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessMessage.setObjectProperty	
com.adobe.workflow.manager. ProcessMessage.setShortProperty	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessMessage.setShortProperty	
com.adobe.workflow.manager. ProcessMessage.setStringProperty	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessMessage.setStringProperty	
com.adobe.workflow.manager. ActionInstanceNotFoundException. ActionInstanceNotFoundException	No	ProcessManagement		
com.adobe.workflow.manager. ActionInstanceNotFoundException. getActionInstanceId	No	ProcessManagement		
com.adobe.workflow.manager. BranchInstanceNotFoundException. BranchInstanceNotFoundException	No	ProcessManagement		
com.adobe.workflow.manager. InvalidInputParameterException. InvalidInputParameterException()	No	ProcessManagement		
com.adobe.workflow.manager. InvalidInputParameterException. InvalidInputParameterException(java.lang. String)	No	ProcessManagement		
com.adobe.workflow.manager. InvalidInputParameterException. InvalidInputParameterException(java.lang. Throwable)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. InvalidInputParameterException. InvalidInputParameterException(java.lang. Throwable, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.manager. InvalidStateException. InvalidStateException(short[], short)	No	ProcessManagement		
com.adobe.workflow.manager. InvalidStateException. InvalidStateException(short, short)	No	ProcessManagement		
com.adobe.workflow.manager. InvalidStateException. InvalidStateException(short, short, short, short)	No	ProcessManagement		
com.adobe.workflow.manager. InvalidStateException.getActualStatus	No	ProcessManagement		
com.adobe.workflow.manager. InvalidStateException.getExpectedStatuses	No	ProcessManagement		
com.adobe.workflow.manager. MissingInputParameterException. MissingInputParameterException()	No	ProcessManagement		
com.adobe.workflow.manager. MissingInputParameterException. MissingInputParameterException(java.lang. String)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. MissingInputParameterException. MissingInputParameterException(java.lang. Throwable)	No	ProcessManagement		
com.adobe.workflow.manager. MissingInputParameterException. MissingInputParameterException(java.lang. Throwable, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.manager. ProcessInstanceDataNotFoundException. ProcessInstanceDataNotFoundException	No	ProcessManagement		
com.adobe.workflow.manager. ProcessInstanceDataNotFoundException. getObjectTypeName	No	ProcessManagement		
com.adobe.workflow.manager. ProcessInstanceDataNotFoundException. getProcessId	No	ProcessManagement		
com.adobe.workflow.manager. ProcessInstanceNotFoundException. ProcessInstanceNotFoundException	No	ProcessManagement		
com.adobe.workflow.manager. ProcessInstanceNotFoundException. getProcessInstancelid	No	ProcessManagement		
com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException()	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException()	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException(java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException(java.lang. String)	
com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException(java.lang. Throwable)	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException(java.lang. Throwable)	
com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException(java.lang. Throwable, java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.manager. ProcessManagerException. ProcessManagerException(java.lang. Throwable, java.lang.String)	
com.adobe.workflow.manager. ProcessNotCompleteException. ProcessNotCompleteException	No	ProcessManagement		
com.adobe.workflow.manager. ProcessNotCompleteException.geProcessId	No	ProcessManagement		
com.adobe.workflow.manager. WaitTimeoutException. WaitTimeoutException()	No	ProcessManagement		
com.adobe.workflow.manager. WaitTimeoutException. WaitTimeoutException(java.lang.String)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.AttachmentInfo.getCreatorId	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getCreatorId	Task Manager has been moved to the Task Manager component. The LiveCycle 7.2 EJB interface is available in LiveCycle ES and has been updated to delegate calls to the Task Manager component.
com.adobe.workflow.task.AttachmentInfo.getDescription	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getDescription	
com.adobe.workflow.task.AttachmentInfo.getFileName	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getFileName	
com.adobe.workflow.task.AttachmentInfo.getId	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getId	
com.adobe.workflow.task.AttachmentInfo.getLastModifiedDate	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getLastModifiedDate	
com.adobe.workflow.task.AttachmentInfo.getPermissions	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getPermissions	
com.adobe.workflow.task.AttachmentInfo.getSize	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.getSize	
com.adobe.workflow.task.AttachmentInfo.isDeleteable	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.isDeleteable	
com.adobe.workflow.task.AttachmentInfo.isReadable	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.isReadable	
com.adobe.workflow.task.AttachmentInfo.isWriteable	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.isWriteable	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.AttachmentInfo.setDescription	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.setDescription	
com.adobe.workflow.task.AttachmentInfo.setFileName	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.setFileName	
com.adobe.workflow.task.AttachmentInfo.setId	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.setId	
com.adobe.workflow.task.AttachmentInfo.setPermissions	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentInfo.setPermissions	
com.adobe.workflow.task.CompleteTaskResult.getInitiatedProcessId	Yes	ProcessManagement	com.adobe.workflow.task.CompleteTaskResult.getInitiatedProcessId	
com.adobe.workflow.task.CompleteTaskResult.getInitiatedProcessTypeName	Yes	ProcessManagement	com.adobe.workflow.task.CompleteTaskResult.getInitiatedProcessTypeName	
com.adobe.workflow.task.CompleteTaskResult.getTaskId	Yes	ProcessManagement	com.adobe.workflow.task.CompleteTaskResult.getTaskId	
com.adobe.workflow.task.CompleteTaskResult.isProcessInitiated	Yes	ProcessManagement	com.adobe.workflow.task.CompleteTaskResult.isProcessInitiated	
com.adobe.workflow.task.CompleteTaskResult.isWorkflowTask	Yes	ProcessManagement	com.adobe.workflow.task.CompleteTaskResult.isWorkflowTask	
com.adobe.workflow.task.CreateTaskResult.getFormInstanceId	Yes	ProcessManagement	com.adobe.workflow.task.CreateTaskResult.getFormInstanceId	
com.adobe.workflow.task.CreateTaskResult.getTaskId	Yes	ProcessManagement	com.adobe.workflow.task.CreateTaskResult.getTaskId	
com.adobe.workflow.task.CreateTaskResult.isDataModified	Yes	ProcessManagement	com.adobe.workflow.task.CreateTaskResult.isDataModified	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.CreateTaskResult.isWorkflowTask	Yes	ProcessManagement	com.adobe.workflow.task.CreateTaskResult.isWorkflowTask	
com.adobe.workflow.task.FormInstance.getAssignedPrincipalId	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getAssignedPrincipalId	
com.adobe.workflow.task.FormInstance.getAssignedQueueType	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getAssignedQueueType	
com.adobe.workflow.task.FormInstance.getCurrentDataType	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getCurrentDataType	
com.adobe.workflow.task.FormInstance.getDataTypeIn	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getDataTypeIn	
com.adobe.workflow.task.FormInstance.getDataTypeOut	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getDataTypeOut	
com.adobe.workflow.task.FormInstance.getDocument	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getDocument	
com.adobe.workflow.task.FormInstance.getFormInstanceId	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getFormInstanceId	
com.adobe.workflow.task.FormInstance.getTaskStatus	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.getTaskStatus	
com.adobe.workflow.task.FormInstance.setDocument	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.setDocument	
com.adobe.workflow.task.FormInstance.setFormInstanceId	Yes	ProcessManagement	com.adobe.workflow.task.FormInstance.setFormInstanceId	
com.adobe.workflow.task.SaveTaskResult.getActionFromData	Yes	ProcessManagement	com.adobe.workflow.task.SaveTaskResult.getActionFromData	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.SaveTaskResult. getTaskId	Yes	ProcessManagement	com.adobe.workflow.task.SaveTaskResult. getTaskId	
com.adobe.workflow.task.TaskManager. addAttachment(long, AttachmentInfo, byte[])	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. addAttachment(long, AttachmentInfo, byte[])	
com.adobe.workflow.task.TaskManager. addAttachment(long, AttachmentInfo, Document)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. addAttachment(long, AttachmentInfo, Document)	
com.adobe.workflow.task.TaskManager. addAttachment(long, AttachmentInfo, java.io.InputStream)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. addAttachment(long, AttachmentInfo, InputStream)	
com.adobe.workflow.task.TaskManager. cancelTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService.cancelTask	
com.adobe.workflow.task.TaskManager. changeQueueForTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. changeQueueForTask	
com.adobe.workflow.task.TaskManager. claimTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService.claimTask	
com.adobe.workflow.task.TaskManager. completeTask(long)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. completeTask(long)	
com.adobe.workflow.task.TaskManager. completeTask(long, FormInstance)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. completeTask(long, FormInstance)	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.TaskManager. completeTask(long, java.lang.String)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. completeTask(long, java.lang.String)	
com.adobe.workflow.task.TaskManager. copyAttachmentsToTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. copyAttachmentsToTask	
com.adobe.workflow.task.TaskManager. createTask(FormInstance, java.lang.String, boolean)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. createTask(FormInstance, java.lang. String, boolean)	
com.adobe.workflow.task.TaskManager. createTask(long, FormInstance, java.lang.String, long, boolean, boolean)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. createTask(long, FormInstance, java. lang.String, long, boolean, boolean)	
com.adobe.workflow.task.TaskManager. createTask(long, FormInstance, java.lang.String, long, java.util.List, boolean)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. createTask(long, FormInstance, java. lang.String, long, java.util.List, boolean)	
com.adobe.workflow.task.TaskManager. deadlineTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService.deadlineTask	
com.adobe.workflow.task.TaskManager. deleteAttachment	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. deleteAttachment	
com.adobe.workflow.task.TaskManager. escalateTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService.escalateTask	
com.adobe.workflow.task.TaskManager. forwardTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService.forwardTask	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.TaskManager. getAllAttachments	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. getAllAttachments	
com.adobe.workflow.task.TaskManager. getAttachmentInfo	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. getAttachmentInfo	
com.adobe.workflow.task.TaskManager. getAttachmentListForTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. getAttachmentListForTask	
com.adobe.workflow.task.TaskManager. getEmptyForm	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService.getEmptyForm	
com.adobe.workflow.task.TaskManager. getFormInstanceForTask(long)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. getFormInstanceForTask(long)	
com.adobe.workflow.task.TaskManager. getFormInstanceForTask(long, boolean)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. getFormInstanceForTask(long, boolean)	
com.adobe.workflow.task.TaskManager. newAttachmentInfo	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. newAttachmentInfo	
com.adobe.workflow.task.TaskManager. readAttachmentBytes	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. readAttachmentBytes	
com.adobe.workflow.task.TaskManager. readAttachmentDocument	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedTaskManagerService. readAttachmentDocument	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.TaskManager.readAttachmentStream	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.readAttachmentStream	
com.adobe.workflow.task.TaskManager.reAssignTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.reAssignTask	
com.adobe.workflow.task.TaskManager.rejectTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.rejectTask	
com.adobe.workflow.task.TaskManager.save	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.save	
com.adobe.workflow.task.TaskManager.sendTaskReminder	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.sendTaskReminder	
com.adobe.workflow.task.TaskManager.setContext	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.setContext	
com.adobe.workflow.task.TaskManager.setupWorkflowUser	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.setupWorkflowUser	
com.adobe.workflow.task.TaskManager.terminateTask	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.terminateTask	
com.adobe.workflow.task.TaskManager.updateAttachment(long, long, byte[])	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.updateAttachment(long, long, byte[])	
com.adobe.workflow.task.TaskManager.updateAttachment(long, long, Document)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.updateAttachment(long, long, Document)	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.TaskManager.updateAttachment(long, long, java.io.InputStream)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.(long, long, java.io.InputStream)	
com.adobe.workflow.task.TaskManager.updateAttachmentInfo	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.updateAttachmentInfo	
com.adobe.workflow.task.TaskManager.updateHardenedPath	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedTaskManagerService.updateHardenedPath	
com.adobe.workflow.task.ActionNotFoundException.ActionNotFoundException	Yes	ProcessManagement	com.adobe.workflow.task.ActionNotFoundException.ActionNotFoundException	
com.adobe.workflow.task.AttachmentNotFoundException.AttachmentNotFoundException	Yes	ProcessManagement	com.adobe.workflow.task.AttachmentNotFoundException.AttachmentNotFoundException	
com.adobe.workflow.task.NoActionSelectedException.NoActionSelectedException	Yes	ProcessManagement	com.adobe.workflow.task.NoActionSelectedException.NoActionSelectedException	
com.adobe.workflow.task.NoRouteSelectedException.NoRouteSelectedException	Yes	ProcessManagement	com.adobe.workflow.task.NoRouteSelectedException.NoRouteSelectedException	
com.adobe.workflow.task.RouteNotFoundException.RouteNotFoundException	Yes	ProcessManagement	com.adobe.workflow.task.RouteNotFoundException.RouteNotFoundException	
com.adobe.workflow.task.TaskManagerException.TaskManagerException()	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException.TaskManagerException()	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.TaskManagerException. TaskManagerException(long, java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException. TaskManagerException(long, java.lang.String)	
com.adobe.workflow.task.TaskManagerException. TaskManagerException(long, java.lang.Throwable)	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException. TaskManagerException(long, java.lang.Throwable)	
com.adobe.workflow.task.TaskManagerException. TaskManagerException(java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException. TaskManagerException(java.lang.String)	
com.adobe.workflow.task.TaskManagerException. TaskManagerException(java.lang.Throwable)	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException. TaskManagerException(java.lang.Throwable)	
com.adobe.workflow.task.TaskManagerException. TaskManagerException(java.lang.Throwable, java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException. TaskManagerException(java.lang.Throwable, java.lang.String)	
com.adobe.workflow.task.TaskManagerException. TaskManagerException.getId	Yes	ProcessManagement	com.adobe.workflow.task.TaskManagerException. TaskManagerException.getId	
com.adobe.workflow.task.TaskNotFoundException. TaskNotFoundException	Yes	ProcessManagement	com.adobe.workflow.task.TaskNotFoundException. TaskNotFoundException	
com.adobe.workflow.task.TaskNotRunningException. TaskNotRunningException	Yes	ProcessManagement	com.adobe.workflow.task.TaskNotRunningException. TaskNotRunningException	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.task.TaskPermissionException.TaskPermissionException	Yes	ProcessManagement	com.adobe.workflow.task.TaskPermissionException.TaskPermissionException	
com.adobe.workflow.task.UnknownValueException.UnknownValueException	Yes	ProcessManagement	com.adobe.workflow.task.UnknownValueException.UnknownValueException	
com.adobe.workflow.task.WorkflowUserNotFoundException.WorkflowUserNotFoundException(long, java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.task.WorkflowUserNotFoundException.WorkflowUserNotFoundException(long, java.lang.String)	
com.adobe.workflow.task.WorkflowUserNotFoundException.WorkflowUserNotFoundException(java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.task.WorkflowUserNotFoundException.WorkflowUserNotFoundException(java.lang.String)	
com.adobe.workflow.admin.AdminManager.createUserQueue	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.createUserQueue	
com.adobe.workflow.admin.AdminManager.getEmailMessageFormat(long)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.getEmailMessageFormat(long)	
com.adobe.workflow.admin.AdminManager.getEmailMessageFormat(long, Context)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.getEmailMessageFormat(long, Context)	
com.adobe.workflow.admin.AdminManager.getEmptyUserQueue	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.getEmptyUserQueue	
com.adobe.workflow.admin.AdminManager.getGroupQueuesForUser	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.getGroupQueuesForUser	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.AdminManager. getSystemSettings()	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager. getSystemSettings()	
com.adobe.workflow.admin.AdminManager. getSystemSettings(Context)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager. getSystemSettings(Context)	
com.adobe.workflow.admin.AdminManager. getUserQueues	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager.getUserQueues	
com.adobe.workflow.admin.AdminManager. getUserSettings	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager.getUserSettings	
com.adobe.workflow.admin.AdminManager. grantQueueAccess	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager.grantQueueAccess	
com.adobe.workflow.admin.AdminManager. listSharedUsersForQueue	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager. listSharedUsersForQueue	
com.adobe.workflow.admin.AdminManager. removeUserQueue	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager.removeUserQueue	
com.adobe.workflow.admin.AdminManager. revokeQueueAccess	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager. revokeQueueAccess	
com.adobe.workflow.admin.AdminManager. setEmailMessageFormat(EmailMessage Format)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client. TypedQueueManager. setEmailMessageFormat(EmailMessage Format)	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.AdminManager.setEmailMessageFormat(EmailMessageFormat, Context)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.setEmailMessageFormat(EmailMessageFormat, Context)	
com.adobe.workflow.admin.AdminManager.setSystemSettings(WorkflowSystemSettings)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.setSystemSettings(WorkflowSystemSettings)	
com.adobe.workflow.admin.AdminManager.setSystemSettings(WorkflowSystemSettings, Context)	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.setSystemSettings(WorkflowSystemSettings, Context)	
com.adobe.workflow.admin.AdminManager.setUserSettings	Yes	ProcessManagement	com.adobe.idp.taskmanager.dsc.client.TypedQueueManager.setUserSettings	
com.adobe.workflow.admin.GroupQueue.getCommonName	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.getCommonName	
com.adobe.workflow.admin.GroupQueue.getCreateTime	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.getCreateTime	
com.adobe.workflow.admin.GroupQueue.getDescription	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.getDescription	
com.adobe.workflow.admin.GroupQueue.getId	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.getId	
com.adobe.workflow.admin.GroupQueue.getTitle	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.getTitle	
com.adobe.workflow.admin.GroupQueue.getUpdatedTime	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.getUpdatedTime	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.GroupQueue.setCommonName	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.setCommonName	
com.adobe.workflow.admin.GroupQueue.setDescription	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.setDescription	
com.adobe.workflow.admin.GroupQueue.setTitle	Yes	ProcessManagement	com.adobe.workflow.admin.GroupQueue.setTitle	
com.adobe.workflow.admin.UserQueue.getCommonName	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getCommonName	
com.adobe.workflow.admin.UserQueue.getCreateTime	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getCreateTime	
com.adobe.workflow.admin.UserQueue.getDescription	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getDescription	
com.adobe.workflow.admin.UserQueue.getId	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getId	
com.adobe.workflow.admin.UserQueue.getOwner	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getOwner	
com.adobe.workflow.admin.UserQueue.getTitle	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getTitle	
com.adobe.workflow.admin.UserQueue.getUpdatedTime	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.getUpdatedTime	
com.adobe.workflow.admin.UserQueue.isDefaultQueueForUser	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.isDefaultQueueForUser	
com.adobe.workflow.admin.UserQueue.setDescription	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.setDescription	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.UserQueue.setTitle	Yes	ProcessManagement	com.adobe.workflow.admin.UserQueue.setTitle	
com.adobe.workflow.admin.UserDef.UserDef	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.UserDef	
com.adobe.workflow.admin.UserDef.getCommonName	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getCommonName	
com.adobe.workflow.admin.UserDef.getEmail	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getEmail	
com.adobe.workflow.admin.UserDef.getFamilyname	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getFamilyname	
com.adobe.workflow.admin.UserDef.getGivenname	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getGivenname	
com.adobe.workflow.admin.UserDef.getId	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getId	
com.adobe.workflow.admin.UserDef.getPhone	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getPhone	
com.adobe.workflow.admin.UserDef.getStatus	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getStatus	
com.adobe.workflow.admin.UserDef.getUid	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.getUid	
com.adobe.workflow.admin.UserDef.setCommonname	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setCommonname	
com.adobe.workflow.admin.UserDef.setEmail	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setEmail	
com.adobe.workflow.admin.UserDef.setFamilyname	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setFamilyname	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.UserDef.setGivenname	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setGivenname	
com.adobe.workflow.admin.UserDef.setId	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setId	
com.adobe.workflow.admin.UserDef.setPhone	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setPhone	
com.adobe.workflow.admin.UserDef.setStatus	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setStatus	
com.adobe.workflow.admin.UserDef.setUid	Yes	ProcessManagement	com.adobe.workflow.admin.UserDef.setUid	
com.adobe.workflow.admin.UserSettings.UserSettings	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.UserSettings	
com.adobe.workflow.admin.UserSettings.includeFormdataInReminderEmail()	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.includeFormdataInReminderEmail()	
com.adobe.workflow.admin.UserSettings.includeFormdataInReminderEmail(boolean)	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.includeFormdataInReminderEmail(boolean)	
com.adobe.workflow.admin.UserSettings.includeFormdataInTaskEmail()	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.includeFormdataInTaskEmail()	
com.adobe.workflow.admin.UserSettings.includeFormdataInTaskEmail(boolean)	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.includeFormdataInTaskEmail(boolean)	
com.adobe.workflow.admin.UserSettings.sendDeadlineEmail()	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.sendDeadlineEmail()	
com.adobe.workflow.admin.UserSettings.sendDeadlineEmail(boolean)	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.sendDeadlineEmail(boolean)	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.UserSettings.sendReminderEmail()	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.sendReminderEmail()	
com.adobe.workflow.admin.UserSettings.sendReminderEmail(boolean)	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.sendReminderEmail(boolean)	
com.adobe.workflow.admin.UserSettings.sendTaskEmail()	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.sendTaskEmail()	
com.adobe.workflow.admin.UserSettings.sendTaskEmail(boolean)	Yes	ProcessManagement	com.adobe.workflow.admin.UserSettings.sendTaskEmail(boolean)	
com.adobe.workflow.admin.WorkflowSystemSettings.WorkflowSystemSettings	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.WorkflowSystemSettings	
com.adobe.workflow.admin.WorkflowSystemSettings.equals	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.equals	
com.adobe.workflow.admin.WorkflowSystemSettings.getDefaultSeverityId	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.getDefaultSeverityId	
com.adobe.workflow.admin.WorkflowSystemSettings.getPop3Login	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.getPop3Login	
com.adobe.workflow.admin.WorkflowSystemSettings.getPop3Password	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.getPop3Password	
com.adobe.workflow.admin.WorkflowSystemSettings.getPop3ReadInterval	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.getPop3ReadInterval	
com.adobe.workflow.admin.WorkflowSystemSettings.getPop3Server	Yes	ProcessManagement	com.adobe.workflow.admin.WorkflowSystemSettings.getPop3Server	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin. WorkflowSystemSettings. getServerEmailAddress	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. getServerEmailAddress	
com.adobe.workflow.admin. WorkflowSystemSettings.getSmtpLogin	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.getSmtpLogin	
com.adobe.workflow.admin. WorkflowSystemSettings.getSmtpPassword	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. getSmtpPassword	
com.adobe.workflow.admin. WorkflowSystemSettings.getSmtpServer	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.getSmtpServer	
com.adobe.workflow.admin. WorkflowSystemSettings. getTemplateUrlRoot	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. getTemplateUrlRoot	
com.adobe.workflow.admin. WorkflowSystemSettings. isEmailTaskAssigned	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. isEmailTaskAssigned	
com.adobe.workflow.admin. WorkflowSystemSettings. isEmailTaskDeadline	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. isEmailTaskDeadline	
com.adobe.workflow.admin. WorkflowSystemSettings. isEmailTaskReminder	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. isEmailTaskReminder	
com.adobe.workflow.admin. WorkflowSystemSettings.isReadPop3Mailbox	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. isReadPop3Mailbox	
com.adobe.workflow.admin. WorkflowSystemSettings.isSendTaskEmail	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.isSendTaskEmail	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin. WorkflowSystemSettings. isTaskAssignedIncludeForm	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. isTaskAssignedIncludeForm	
com.adobe.workflow.admin. WorkflowSystemSettings. isTaskReminderIncludeForm	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. isTaskReminderIncludeForm	
com.adobe.workflow.admin. WorkflowSystemSettings. setDefaultSeverityId	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setDefaultSeverityId	
com.adobe.workflow.admin. WorkflowSystemSettings. setEmailTaskAssigned	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setEmailTaskAssigned	
com.adobe.workflow.admin. WorkflowSystemSettings. setEmailTaskDeadline	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setEmailTaskDeadline	
com.adobe.workflow.admin. WorkflowSystemSettings. setEmailTaskReminder	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setEmailTaskReminder	
com.adobe.workflow.admin. WorkflowSystemSettings.setPop3Login	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.setPop3Login	
com.adobe.workflow.admin. WorkflowSystemSettings.setPop3Password	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setPop3Password	
com.adobe.workflow.admin. WorkflowSystemSettings. setPop3ReadInterval	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setPop3ReadInterval	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin. WorkflowSystemSettings.setPop3Server	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.setPop3Server	
com.adobe.workflow.admin. WorkflowSystemSettings. setReadPop3Mailbox	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setReadPop3Mailbox	
com.adobe.workflow.admin. WorkflowSystemSettings.setSendTaskEmail	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setSendTaskEmail	
com.adobe.workflow.admin. WorkflowSystemSettings. setServerEmailAddress	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setServerEmailAddress	
com.adobe.workflow.admin. WorkflowSystemSettings.setSmtpLogin	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.setSmtpLogin	
com.adobe.workflow.admin. WorkflowSystemSettings.setSmtpPassword	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setSmtpPassword	
com.adobe.workflow.admin. WorkflowSystemSettings.setSmtpServer	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings.setSmtpServer	
com.adobe.workflow.admin. WorkflowSystemSettings. setTaskAssignedIncludeForm	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setTaskAssignedIncludeForm	
com.adobe.workflow.admin. WorkflowSystemSettings. setTaskReminderIncludeForm	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setTaskReminderIncludeForm	
com.adobe.workflow.admin. WorkflowSystemSettings.setTemplateUrlRoot	Yes	ProcessManagement	com.adobe.workflow.admin. WorkflowSystemSettings. setTemplateUrlRoot	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin.AdminManagerException.AdminManagerException()	Yes	ProcessManagement	com.adobe.workflow.admin.AdminManagerException.AdminManagerException()	
com.adobe.workflow.admin.AdminManagerException.AdminManagerException(java.lang.Exception)	Yes	ProcessManagement	com.adobe.workflow.admin.AdminManagerException.AdminManagerException(java.lang.Exception)	
com.adobe.workflow.admin.AdminManagerException.AdminManagerException(java.lang.Exception, java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.admin.AdminManagerException.AdminManagerException(java.lang.Exception, java.lang.String)	
com.adobe.workflow.admin.AdminManagerException.AdminManagerException(java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.admin.AdminManagerException.AdminManagerException(java.lang.String)	
com.adobe.workflow.admin.AdminManagerException.toString	Yes	ProcessManagement	com.adobe.workflow.admin.AdminManagerException.toString	
com.adobe.workflow.admin.AdminPermissionException.AdminPermissionException()	Yes	ProcessManagement	com.adobe.workflow.admin.AdminPermissionException.AdminPermissionException()	
com.adobe.workflow.admin.AdminPermissionException.AdminPermissionException(java.lang.Exception)	Yes	ProcessManagement	com.adobe.workflow.admin.AdminPermissionException.AdminPermissionException(java.lang.Exception)	
com.adobe.workflow.admin.AdminPermissionException.AdminPermissionException(java.lang.Exception, java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.admin.AdminPermissionException.AdminPermissionException(java.lang.Exception, java.lang.String)	

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.admin. AdminPermissionException. AdminPermissionException(java.lang.String)	Yes	ProcessManagement	com.adobe.workflow.admin. AdminPermissionException. AdminPermissionException(java.lang. String)	
com.adobe.workflow.FormInstanceBase. getActionList	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. getHardenedTemplatePath	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. getSelectedAction	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. getTemplatePath	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. getXFADData	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. setActionList	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. setHardenedTemplatePath	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. setSelectedAction	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. setTemplatePath	No	ProcessManagement		
com.adobe.workflow.FormInstanceBase. setXFADData	No	ProcessManagement		
com.adobe.workflow.DOMUtil.DOMUtil	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.DOMUtil.createAttribute	No	ProcessManagement		
com.adobe.workflow.DOMUtil.createElement	No	ProcessManagement		
com.adobe.workflow.DOMUtil.createElementWithText	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getAttributeValue	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildElement	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildElementNS	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildElements	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildElements	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildElementsNS	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildNode	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getChildNodes	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getFirstChildElement	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getLastChildElement	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.DOMUtil.getTextForChild	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getTextForNode	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getTextNode(org.w3c.dom.Element, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.getTextNode(org.w3c.dom.Node)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.hasChild	No	ProcessManagement		
com.adobe.workflow.DOMUtil.importXMLAsSubtree	No	ProcessManagement		
com.adobe.workflow.DOMUtil.isValidTagName	No	ProcessManagement		
com.adobe.workflow.DOMUtil.newDocument()	No	ProcessManagement		
com.adobe.workflow.DOMUtil.newDocument(boolean, boolean)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.parseDocumentFromFile(java.io.File)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.parseDocumentFromFile(java.io.File, boolean, boolean)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.parseDocumentFromReader(java.io.Reader)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.DOMUtil. parseDocumentFromReader(java.io. Reader, boolean, boolean)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. parseDocumentFromResource(java.lang. ClassLoader, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. parseDocumentFromResource(java.lang. String)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. parseDocumentFromStream(java.io. InputStream)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. parseDocumentFromStream(java.io. InputStream, boolean, boolean)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. parseDocumentFromString(java.lang.String)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. parseDocumentFromString(java.lang. String, boolean, boolean)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. print(org.w3c.dom.Element)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.print(org.w3c. dom.Node, java.io.OutputStream)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.print(org.w3c. dom.Node, java.io.OutputStream, boolean)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.DOMUtil. print(org.w3c.dom.Node, java.io.Writer)	No	ProcessManagement		
com.adobe.workflow.DOMUtil.print(org.w3c. dom.Node, java.io.Writer, boolean)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. resetIds(org.w3c.dom.Element)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. resetIds(org.w3c.dom.Element, long)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. setNodeText(org.w3c.dom. Node, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. toString(org.w3c.dom.Node)	No	ProcessManagement		
com.adobe.workflow.DOMUtil. toString(org.w3c.dom.Node, boolean)	No	ProcessManagement		
com.adobe.workflow.MappedList. MappedList	No	ProcessManagement		
com.adobe.workflow.MappedList.add	No	ProcessManagement		
com.adobe.workflow.MappedList.clear	No	ProcessManagement		
com.adobe.workflow.MappedList. containsKey	No	ProcessManagement		
com.adobe.workflow.MappedList.get(int)	No	ProcessManagement		
com.adobe.workflow.MappedList. get(java.lang.Object)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.MappedList.getKey	No	ProcessManagement		
com.adobe.workflow.MappedList.indexOfKey	No	ProcessManagement		
com.adobe.workflow.MappedList. indexOfValue	No	ProcessManagement		
com.adobe.workflow.MappedList.keySet	No	ProcessManagement		
com.adobe.workflow.MappedList.remove(int)	No	ProcessManagement		
com.adobe.workflow.MappedList. remove(java.lang.Object)	No	ProcessManagement		
com.adobe.workflow.MappedList.size	No	ProcessManagement		
com.adobe.workflow.MappedList.toArray	No	ProcessManagement		
com.adobe.workflow.MappedList.values	No	ProcessManagement		
com.adobe.workflow.MiscUtil.MiscUtil	No	ProcessManagement		
com.adobe.workflow.MiscUtil.copyFile	No	ProcessManagement		
com.adobe.workflow.MiscUtil. createClassLoader	No	ProcessManagement		
com.adobe.workflow.MiscUtil.deleteFile	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readByteArrayFromResource(java.lang. ClassLoader, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readByteArrayFromResource(java.lang.String)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.MiscUtil. readByteArrayFromStream(java.io. InputStream)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readByteArrayFromStream(java.io. InputStream, int)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readEntriesFromJarInputStreamAsMap(java. util.jar.JarInputStream)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readEntriesFromJarInputStreamAsMap(java. util.jar.JarInputStream, char)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readStringFromFile	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readStringFromReader	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readStringFromResource(java.lang. ClassLoader, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readStringFromResource(java.lang.String)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readStringFromStream	No	ProcessManagement		
com.adobe.workflow.MiscUtil. readUTF8StringFromFile	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.MiscUtil. readUTF8StringFromStream	No	ProcessManagement		
com.adobe.workflow.MiscUtil. writeFile2JarOutputStream(java.io.File, java. util.jar.JarOutputStream)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. writeFile2JarOutputStream(java.lang.String, java.io.File, java.util.jar.JarOutputStream)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. writeInput2OutputStream(java.io. InputStream, java.io.OutputStream, boolean)	No	ProcessManagement		
com.adobe.workflow.MiscUtil. writeInput2OutputStream(java.io. InputStream, java.io.OutputStream, int, int)	No	ProcessManagement		
com.adobe.workflow. UserNotAuthenticatedException. UserNotAuthenticatedException()	No	ProcessManagement		
com.adobe.workflow. UserNotAuthenticatedException. UserNotAuthenticatedException(java.lang. String)	No	ProcessManagement		
com.adobe.workflow. UserNotAuthenticatedException. UserNotAuthenticatedException(java.lang. Throwable)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow. UserNotAuthenticatedException. UserNotAuthenticatedException(java.lang. Throwable, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.WorkflowException. WorkflowException()	No	ProcessManagement		
com.adobe.workflow.WorkflowException. WorkflowException(java.lang.String)	No	ProcessManagement		
com.adobe.workflow.WorkflowException. WorkflowException(java.lang.Throwable)	No	ProcessManagement		
com.adobe.workflow.WorkflowException. WorkflowException(java.lang.Throwable, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.WorkflowException. getLocalizedMessage	No	ProcessManagement		
com.adobe.workflow.WorkflowException. getMessage	No	ProcessManagement		
com.adobe.workflow.WorkflowException. getRootCause	No	ProcessManagement		
com.adobe.workflow.WorkflowException. printStackTrace()	No	ProcessManagement		
com.adobe.workflow.WorkflowException. printStackTrace(java.io.PrintStream)	No	ProcessManagement		
com.adobe.workflow.WorkflowException. printStackTrace(java.io.PrintWriter)	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow.WorkflowException.toString	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.WorkflowRuntimeException()	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.WorkflowRuntimeException(java.lang.String)	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.WorkflowRuntimeException(java.lang.Throwable)	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.WorkflowRuntimeException(java.lang.Throwable, java.lang.String)	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.getLocalizedMessage	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.getMessage	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.getRootCause	No	ProcessManagement		
com.adobe.workflow.WorkflowRuntimeException.printStackTrace()	No	ProcessManagement		

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method	Remarks
com.adobe.workflow. WorkflowRuntimeException. printStackTrace(java.io.PrintStream)	No	ProcessManagement		
com.adobe.workflow. WorkflowRuntimeException. printStackTrace(java.io.PrintWriter)	No	ProcessManagement		
com.adobe.workflow. WorkflowRuntimeException.toString	No	ProcessManagement		
com.adobe.pof.*	No	ProcessManagement		None of the subpackages, classes, and methods are available in LiveCycle ES.
com.adobe.workflow.boi.*	No	ProcessManagement		None of the subpackages, classes, and methods are available in LiveCycle ES.
com.adobe.workflow.client.*	No	ProcessManagement		None of the subpackages, classes, and methods are available in LiveCycle ES.
com.adobe.workflow.pat.*	No	ProcessManagement		None of the subpackages, classes, and methods are available in LiveCycle ES.
com.adobe.workflow.template.*	No	ProcessManagement		None of the subpackages, classes, and methods are available in LiveCycle ES.
com.adobe.workflow.tools.qde.pat.service.*	No	ProcessManagement		None of the subpackages, classes, and methods are available in LiveCycle ES.

I LiveCycle 7.x User Manager SPI Mapping

This appendix provides a mapping between User Manager SPI methods in LiveCycle 7.x and User Manager SPI methods in LiveCycle ES.

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.authentication.AuthConfigBO. getCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthConfigBO. getCustomConfiguration
com.adobe.idp.um.spi.authentication.AuthConfigBO. getDomainName	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthConfigBO. getDomainName
com.adobe.idp.um.spi.authentication.AuthProvider. authenticate	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthProvider. authenticate
com.adobe.idp.um.spi.authentication.AuthProvider. getConfigName	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthProvider. getConfigName
com.adobe.idp.um.spi.authentication.AuthResponse. getAuthStatus	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse. getAuthStatus
com.adobe.idp.um.spi.authentication.AuthResponse. getAuthType	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse. getAuthType
com.adobe.idp.um.spi.authentication.AuthResponse. getDomain	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse. getDomain
com.adobe.idp.um.spi.authentication.AuthResponse. getErrorMessage	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse. getErrorMessage
com.adobe.idp.um.spi.authentication.AuthResponse. getExceptions	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse. getExceptions
com.adobe.idp.um.spi.authentication.AuthResponse. getKerberosIntermediateTkt	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse. getKerberosIntermediateTkt

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.authentication.AuthResponse.getUsername	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.getUsername
com.adobe.idp.um.spi.authentication.AuthResponse.setAuthStatus	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setAuthStatus
com.adobe.idp.um.spi.authentication.AuthResponse.setAuthType	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setAuthType
com.adobe.idp.um.spi.authentication.AuthResponse.setDomain	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setDomain
com.adobe.idp.um.spi.authentication.AuthResponse.setErrorMessage	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setErrorMessage
com.adobe.idp.um.spi.authentication.AuthResponse.setExceptions	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setExceptions
com.adobe.idp.um.spi.authentication.AuthResponse.setKerberosIntermediateTkt	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setKerberosIntermediateTkt
com.adobe.idp.um.spi.authentication.AuthResponse.setUsername	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponse.setUsername
com.adobe.idp.um.spi.authentication.AuthResponseImpl.AuthResponseImpl	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.AuthResponseImpl
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getAuthStatus	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getAuthStatus
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getAuthType	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getAuthType
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getDomain	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getDomain
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getErrorMessage	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getErrorMessage

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getExceptions	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getExceptions
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getKerberosIntermediateTkt	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getKerberosIntermediateTkt
com.adobe.idp.um.spi.authentication.AuthResponseImpl.getUsername	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.getUsername
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setAuthStatus	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setAuthStatus
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setAuthType	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setAuthType
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setDomain	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setDomain
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setErrorMessage	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setErrorMessage
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setExceptions	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setExceptions
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setKerberosIntermediateTkt	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setKerberosIntermediateTkt
com.adobe.idp.um.spi.authentication.AuthResponseImpl.setUsername	Yes	UserManager	com.adobe.idp.um.spi.authentication.AuthResponseImpl.setUsername
com.adobe.idp.um.spi.directoryservices.DirectoryGroupProvider.getGroupMembers	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DirectoryGroupProvider.getGroupMembers
com.adobe.idp.um.spi.directoryservices.DirectoryPrincipalProvider.getPrincipals	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DirectoryPrincipalProvider.getPrincipals

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.directoryservices. DirectoryPrincipalProvider.testConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DirectoryPrincipalProvider.testConfiguration
com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.DirectoryProviderConfig(java.lang. String, GroupConfigBO)	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig. DirectoryProviderConfig(java.lang.String, GroupConfigBO)
com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.DirectoryProviderConfig(java.lang. String, UserConfigBO)	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig. DirectoryProviderConfig(java.lang.String, UserConfigBO)
com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.getDomain	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.getDomain
com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.getGroupConfig	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.getGroupConfig
com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.getUserConfig	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DirectoryProviderConfig.getUserConfig
com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.addPrincipalMember	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.addPrincipalMember
com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.DSGroupContainmentRecord	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.DSGroupContainmentRecord
com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.getPrincipalMembers	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.getPrincipalMembers
com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.toString	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DSGroupContainmentRecord.toString
com.adobe.idp.um.spi.directoryservices. DSPrincipalCollection.addDSPrincipalRecord	Yes	UserManager	com.adobe.idp.um.spi.directoryservices. DSPrincipalCollection.addDSPrincipalRecord
com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. DSPrincipalCollection	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. DSPrincipalCollection

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. getPrincipalRecords	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. getPrincipalRecords
com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. getState	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. getState
com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. setState	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. setState
com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. toString	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalCollection. toString
com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. DSPrincipalIdRecord	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. DSPrincipalIdRecord
com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. getCanonicalName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. getCanonicalName
com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. getDomainName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. getDomainName
com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. setCanonicalName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. setCanonicalName
com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. setDomainName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalIdRecord. setDomainName
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord. addEmailAlias	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord. addEmailAlias
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord. DSPrincipalRecord	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord. DSPrincipalRecord
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord. getCommonName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord. getCommonName

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getDescription	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getDescription
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getEmail	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getEmail
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getEmailAlias	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getEmailAlias
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getFamilyName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getFamilyName
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getGivenName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getGivenName
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getGroupType	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getGroupType
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getInitials	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getInitials
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getLocale	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getLocale
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getOrg	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getOrg
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getPostalAddress	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getPostalAddress
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getPrincipalType	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getPrincipalType
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getTelephoneNumber	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getTelephoneNumber

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getTimezone	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getTimezone
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getUserid	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.getUserid
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setCommonName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setCommonName
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setDescription	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setDescription
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setEmail	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setEmail
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setEmailAliases	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setEmailAliases
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setFamilyName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setFamilyName
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setGivenName	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setGivenName
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setGroupType	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setGroupType
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setInitials	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setInitials
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setLocale	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setLocale
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setOrg	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setOrg

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setPostalAddress	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setPostalAddress
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setPrincipalType	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setPrincipalType
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setTelephoneNumber	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setTelephoneNumber
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setTimezone	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setTimezone
com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setUserid	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.DSPrincipalRecord.setUserid
com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.GenericGroupConfigBO	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.GenericGroupConfigBO
com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.getCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.getCustomConfiguration
com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.getRefGroupProvider	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.getRefGroupProvider
com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.setCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.setCustomConfiguration
com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.setRefGroupProvider	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericGroupConfigBO.setRefGroupProvider
com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO.GenericUserConfigBO	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO.GenericUserConfigBO
com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO.getCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO.getCustomConfiguration

LiveCycle 7 service method	LiveCycle ES equivalent	LiveCycle ES service name	LiveCycle ES service method
com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO. getRefUserProvider	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO. getRefUserProvider
com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO. setCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO. setCustomConfiguration
com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO. setRefUserProvider	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GenericUserConfigBO. setRefUserProvider
com.adobe.idp.um.spi.directoryservices.GroupConfigBO. getCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GroupConfigBO. getCustomConfiguration
com.adobe.idp.um.spi.directoryservices.GroupConfigBO. getRefGroupProvider	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.GroupConfigBO. getRefGroupProvider
com.adobe.idp.um.spi.directoryservices.UserConfigBO. getCustomConfiguration	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.UserConfigBO. getCustomConfiguration
com.adobe.idp.um.spi.directoryservices.UserConfigBO. getRefUserProvider	Yes	UserManager	com.adobe.idp.um.spi.directoryservices.UserConfigBO. getRefUserProvider

J LiveCycle ES 8.2 API Changes

This appendix provides a listing of updated Java APIs for Adobe LiveCycle ES 8.2. To ensure that you have access to the new APIs specified in this section, update the JAR files in your Java project's class path. (See "Including LiveCycle ES Java library files" in [Programming with LiveCycle ES.](#))

API changes	New	Deprecated	Description
com.adobe.livecycle.signatures.client. SignatureServiceClientInterface.modifySignatureField	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.CertificateInformation	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.Credential.setSpiName	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. Credential.setSPIProperties	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. CRLOptionSpec.getLDAPServer	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. CRLOptionSpec.isGoOnline	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. CRLOptionSpec.isIgnoreValidityDates	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. CRLOptionSpec.isRequireAKI	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. OCSPOptionSpec.isIgnoreValidityDates	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. OCSPOptionSpec.isGoOnline	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types. OCSPOptionSpec.isAllowOCSPNoCheck	Yes	No	A new method that belongs to the Signature Service API.

API changes	New	Deprecated	Description
com.adobe.livecycle.signatures.client.types.OCSPOptionSpec.setAllowOCSPNoCheck	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.OCSPOptionSpec.isRequireOCSPCertHash	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.OCSPOptionSpec.setRequireOCSPCertHash	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.getLDAPServer	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.setLDAPServer	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.isFollowURIsInAIA	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.setFollowURIsInAIA	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.isCheckCABasicConstraints	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.isRequireValidSigForChaining	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PathValidationOptionSpec.setRequireValidSigForChaining	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSeedValueOptionSpec.getFilterEx	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSeedValueOptionSpec.setFilterEx	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSeedValueOptionSpec.setFilterEx	Yes	No	A new method that belongs to the Signature Service API.

API changes	New	Deprecated	Description
com.adobe.livecycle.signatures.client.types.PDFSeedValueOptionSpec.getSubFilterEx	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSeedValueOptionSpec.setSubFilterEx	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignature.setCRLs	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignature.getCRLs	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignature.getOCSPResponses	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignature.setOCSPResponses	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignature.getTimestamp	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignature.setTimestamp	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignatureField.getProperties	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignatureField.setProperties	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignatureVerificationResult.getTimestamp	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignatureVerificationResult.setTimestamp	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.PDFSignatureVerificationResult.setTimestamp	Yes	No	A new method that belongs to the Signature Service API.

API changes	New	Deprecated	Description
com.adobe.livecycle.signatures.client.types.RevocationInformation	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.SignerCertificatePath.getCertificateInformation	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.types.SignerCertificatePath.setCertificateInformation	Yes	No	A new method that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.AddTimestamp	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.DocumentBytes	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.DocumentHash	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.DSAKeyValueTypes	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.HashWithReference	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.InputDocument	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.KeyInfoType	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.KeyValueType	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.NameIdentifierType	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.Result	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.RSAKeyValueTypes	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.SignatureObject	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.SignRequest	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.SignResponse	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.SPICertificateInfo	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.SPICertPath	Yes	No	A new class that belongs to the Signature Service API.

API changes	New	Deprecated	Description
com.adobe.livecycle.signatures.client.spi.types.SPIRevocationData	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.SPIVerificationInfo	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.Timestamp	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.X509DataType	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.signatures.client.spi.types.X509IssuerSerialType	Yes	No	A new class that belongs to the Signature Service API.
com.adobe.livecycle.assembler.client.AssemblerServiceClient.invokeOneDocument	Yes	No	A new method that belongs to the Assembler Service API.
com.adobe.livecycle.convertpdfservice.client.ConvertPdfServiceClient.toPS2	Yes	No	A new method that belongs to the Convert PDF Service API.
com.adobe.livecycle.convertpdfservice.client.ConvertPdfServiceClient.toPS	No	Yes	A deprecated method.
com.adobe.livecycle.convertpdfservice.client.ConvertPdfServiceClient.toImage2	Yes	No	A new method that belongs to the Convert PDF Service API.
com.adobe.livecycle.convertpdfservice.client.ConvertPdfServiceClient.toImage	No	Yes	A deprecated method.
com.adobe.livecycle.convertpdfservice.client.ToImageOptionsSpec.getMultiPageTiff	Yes	No	A new method that belongs to the Convert PDF Service API.
com.adobe.livecycle.convertpdfservice.client.ToImageOptionsSpec.setMultiPageTiff	Yes	No	A new method that belongs to the Convert PDF Service API.
com.adobe.livecycle.convertpdfservice.client.ToImageOptionsSpec.isIncludeComments	Yes	No	A new method that belongs to the Convert PDF Service API.
com.adobe.livecycle.convertpdfservice.client.ToImageOptionsSpec.setIncludeComments	Yes	No	A new method that belongs to the Convert PDF Service API.

API changes	New	Deprecated	Description
com.adobe.livecycle.docconverter.client.DocConverterServiceClient	Yes	No	A new class that belongs to the DocConverter service API.
com.adobe.livecycle.docconverter.client.PDFAConversionOptionSpec	Yes	No	A new class that belongs to the DocConverter service API.
com.adobe.livecycle.docconverter.client.PDFAConversionResult	Yes	No	A new class that belongs to the DocConverter service API.
com.adobe.livecycle.docconverter.client.PDFValidationOptionSpec	Yes	No	A new class that belongs to the DocConverter service API.
com.adobe.livecycle.docconverter.client.PDFValidationResult	Yes	No	A new class that belongs to the DocConverter service API.
com.adobe.livecycle.encryption.client.EncryptionServiceClient.encryptPDFUsingCertificates	Yes	No	A new method that belongs to the Encryption Service API.
com.adobe.livecycle.encryption.client.EncryptionServiceClient.unlockPDFUsingCredential	Yes	No	A new method that belongs to the Encryption Service API.
com.adobe.livecycle.encryption.client.EncryptionServiceClient.removePDFCertificateSecurity	Yes	No	A new method that belongs to the Encryption Service API.
com.adobe.livecycle.encryption.client.Recipient	Yes	No	A new class that belongs to the Encryption Service API.
com.adobe.livecycle.generate3dpdf.client.Generate3dPDFClient	Yes	No	A new class that belongs to the Generate 3D PDF service.
com.adobe.livecycle.generate3dpdf.client.Create3dPDFResult	Yes	No	A new class that belongs to the Generate 3D PDF service.
com.adobe.livecycle.generate3dpdf.client.Create3dPDFResult	Yes	No	A new class that belongs to the Generate 3D PDF service.
com.adobe.livecycle.generatepdf.client.GeneratePdfServiceClient.createPDF2	Yes	No	A new method that belongs to the Generate PDF Service API.
com.adobe.livecycle.generatepdf.client.GeneratePdfServiceClient.createPDF	No	Yes	A deprecated method.

API changes	New	Deprecated	Description
com.adobe.livecycle.generatepdf.client. GeneratePdfServiceClient.htmlToPDF2	Yes	No	A new method that belongs to the Generate PDF Service API.
com.adobe.livecycle.generatepdf.client. GeneratePdfServiceClient.htmlToPDF2	No	Yes	A deprecated method.
com.adobe.livecycle.generatepdf.client. GeneratePdfServiceClient.exportPDF2	Yes	No	A new method that belongs to the Generate PDF Service API.
com.adobe.livecycle.generatepdf.client. GeneratePdfServiceClient.exportPDF	No	Yes	A deprecated method.
com.adobe.livecycle.output.client. OutputClient.print	No	Yes	A deprecated method.
com.adobe.livecycle.output.client. OutputClient.lprPrint	No	Yes	A deprecated method.
com.adobe.livecycle.output.client. OutputClient.lprPrint	No	Yes	A deprecated method.
com.adobe.livecycle.output.client. OutputClient.lprPrint	No	Yes	A deprecated method.
com.adobe.livecycle.output.client. OutputClient.sendToPrinter	Yes	No	A new method that belongs to the Output Service API.
com.adobe.livecycle.rightsmanagement.client. PolicyManager.getPolicy	Yes	No	A new method that belongs to the Output Service API.
com.adobe.idp.backup.dsc.client.BackupServiceClient	Yes	No	A new class that belongs to the Backup service API.
com.adobe.idp.backup.dsc.service.BackupModeEntryResult	Yes	No	A new class that belongs to the Backup service API.
com.adobe.idp.backup.dsc.service.BackupModeResult	Yes	No	A new class that belongs to the Backup service API.
com.adobe.idp.dsc.registry.endpoint.client.EndpointRegistryClient	Yes	No	A new class that belongs to the Endpoint Registry Service API.
com.adobe.idp.dsc.registry.endpoint.CreateEndpointInfo	Yes	No	A new class that belongs to the Endpoint Registry Service API.

API changes	New	Deprecated	Description
com.adobe.idp.dsc.registry.endpoint.EndpointCategoryFilter	Yes	No	A new class that belongs to the Endpoint Registry Service API.
com.adobe.idp.dsc.registry.endpoint.EndpointFilter	Yes	No	A new class that belongs to the Endpoint Registry Service API.
com.adobe.idp.dsc.registry.endpoint.EndpointRegistry	Yes	No	A new class that belongs to the Endpoint Registry Service API.
com.adobe.idp.dsc.registry.endpoint.EndpointStore	Yes	No	A new class that belongs to the Endpoint Registry Service API.
com.adobe.idp.dsc.registry.endpoint.ModifyEndpointCategoryInfo	Yes	No	A new class that belongs to the Endpoint Registry Service API.
com.adobe.idp.dsc.registry.endpoint.ModifyEndpointInfo	Yes	No	A new class that belongs to the Endpoint Registry Service API.