

Glossary

This glossary contains terminology definitions that are specific to documentation for Adobe® LiveCycle® ES (Enterprise Suite) Update 1. These terms may have different meanings in other contexts but have restricted meanings in this documentation.

A

accessible form

A form that users with disabilities or vision impairment can view and fill using screen readers and other assistive technologies. See also [tagged Adobe PDF form](#).

Acrobat form

An Adobe PDF document, created in Adobe Acrobat® Professional or Acrobat Standard, that contains one or more form fields. The PDF document may also contain other content. See also [PDF form](#) and [XML form](#).

ActionScript

A scripting language based on ECMAScript, a standardized language for scripting. It is used in Adobe Flash® authoring, Adobe Flex™, and LiveCycle ES for run-time manipulation of data and content. ActionScript is executed by the ActionScript Virtual Machine (AVM), which is built into Adobe Flash Player. Features include asynchronous functionality, callbacks, and send/receive XML.

activity

A generic term for work performed within a process, either by a person or a system. In Adobe LiveCycle Workbench ES, an activity is represented by a rounded-corner rectangle.

Adobe certified document

A document that is signed with a specific Adobe root certificate. An Adobe certified document provides a strong guarantee as to the authenticity and immutability of the document. See also [certificate](#).

AMF

Action Message Format. A binary message format used to efficiently serialize ActionScript objects. Similar to the data portion of RTMP, the AMF binary content is delivered in the body of an HTTP (or SSL-wrapped HTTPS) POST message.

application

A set of generally interdependent files that make up a self-contained application that LiveCycle ES can run. Applications may include files such as form designs, JavaServer Pages, HTML pages, SWF files, servlets, and images.

aspect

A fundamental concept related to content modeling. *Aspects* allow the addition of functionality to already existing content types. *Aspects* can have properties and therefore, when added, they enhance content types with their properties. Behaviors and workflows can be attached to aspects.

Assembler

A Java™ class, used with the Adobe LiveCycle Data Services ES Data Management Service, that contains methods that accept data changes passed from a data adapter. An Assembler class allows Java objects on the server to be synchronized with ActionScript objects in the Flex client application.

Note: The Assembler Java class differs from the Assembler service.

B

binding

(Flex) The process of tying the data in one object to another. It provides a convenient way to pass data in an application. The <mx:Binding> MXML tag is used to tie the data in one object to another with source and destination properties.

(LiveCycle Designer ES) The process of binding objects on a form design to data sources and schemas.

branch

Contains a set of activities that a process executes either serially or in parallel.

C

certificate

An electronic file that establishes your identity, by binding your identity to your public key, when doing business or other transactions on the web. A certificate (or sometimes called a digital certificate) is issued by a certificate authority (CA). See also [Adobe certified document](#) and [credential](#).

client

The requesting program in a client/server relationship. A web browser, a Flex RIA client application, and Adobe Reader® are examples of client applications.

component

An independent unit of production that plugs into the service container for purposes of deploying, orchestrating, and executing services.

From a physical perspective, a component is similar to a Java 2 Platform, Enterprise Edition (J2EE) module in that it represents the underlying resources, metadata, and binary implementations of one or more services packaged together as a Java archive file. A component must be installed prior to the deployment of any services that depend on it.

A component is the packaged set of concrete implementations (classes), resources, and metadata that are installed into the registry for supporting the deployment and execution of one or more services.

confidentiality settings

Settings that determine the type of access a user has to a document, including the ability to print, copy, make changes, add signatures and comments, and view offline. Confidentiality settings that administrators can set also include the ability to revoke document access rights and switch policies.

consumer

The Flex client component that you use to receive messages from LiveCycle Data Services ES Message Service destinations. See also [producer](#).

content action

A unit of work that is performed on a content node. Examples include adding an aspect, copying a content node, emailing a notification. A content action can optionally have a number of conditions; an action condition is used to indicate whether an action can be executed.

content model

A collection of related content types and aspects. A content model may refer to definitions within another model. Each content model is described in its own XML file and is identified by its defined namespace and name.

content node

Standard repository element of a content tree. A content node has associations with other content nodes to identify content and content spaces. A content node contains significant metadata for automated content usage, such as search and manipulation. Content nodes can be of various types (for example, a type of folder). Each type has its own metadata and behavior. Content and folder are two out-of-the-box types. Content nodes that can contain other content nodes are technically called spaces.

content rule

A composite content action that has a rule type. A content rule can contain any number of content actions. Any number of conditions may be combined in a single content rule.

content rule type

Every content rule has a content rule type, which characterizes the types of events in the repository that will cause the content rule to be triggered. When a content rule is triggered, the composite content action it represents is executed. A content rule type consists of a number of content rule triggers.

content rule trigger

Relates to a repository policy and transforms the information that is acquired when that policy is fired into the information that is needed to trigger a content rule.

content store

A one-dimensional perspective of the repository, aimed for a certain automated usage. Typically, the repository contains multiple hierarchical perspectives of stored content nodes. Each perspective serves a meaningful automated goal according to defined protocol. A content store reference consists of a store protocol (for example, archive, workspace, or system) and a store ID (for example, SpaceStore, User).

Any place where content nodes can be found and, optionally, written (for example, Data Dictionary, workspace). A content store does not necessarily have to represent a physical location; it can also be virtual.

credential

The file that contains a private key. (The corresponding public key is contained in a certificate.) A private key is what one principal presents to another and is used to establish identity in decryption and signing operations. A credential is issued by an authentication agent or a certification authority, and could be a digital certificate, a name and password combination, or biometrics, such as fingerprints. See also [certificate](#).

custom SWC

A developer-created compiled library of custom ActionScript classes and assets. To use a custom SWC in your Flex application, you must add it to the library path before compiling.

D

destination

The logical representation in LiveCycle Data Services ES of a server-side object that you call from a Flex client application. Examples of destination types include Proxy Service, Message Service, and Data Management Service destinations.

document package

A final form document (rendered in any format), which is made up of multiple form designs (XDP), such as a welcome package that contains a welcome letter followed by insurance details and terms. Although more than one form design may make up the document, it is one output (either a PostScript® file or a PDF file).

E

encryption

The conversion of data to a format called *ciphertext* that cannot be easily understood by unauthorized persons. The conversion is done using an encryption algorithm.

endpoint

The mechanism for connecting to a service over a given protocol. Specifies how a service is to be invoked.

event

(LiveCycle Workbench ES) An occurrence during the course of a business process. Events affect the flow of a process and usually have a cause (trigger) or an impact (result). The three types of events are asynchronous, timer, and exception. In LiveCycle Workbench ES, an event is represented by a circle.

(LiveCycle Designer ES) An occurrence or action that can change the state of a form and, when the change of state occurs, automatically invokes a calculation or script that is associated with the event.

(LiveCycle Rights Management ES) An occurrence of a policy change. The Rights Management service tracks specific actions as they occur, such as applying a policy to a document, opening a policy-protected document, and revoking access to a document.

F

fixed layout

A form, form design, or document layout that remains exactly as it was designed. The layout does not change to accommodate the amount of incoming data.

flowable layout

A form, form design, or document layout that can expand or shrink to accommodate the amount of data being merged or entered by a user.

form

An electronic document that captures and delivers data. A person may add data to an interactive form, or a server process may merge a form design with data to produce a non-interactive form. See also [interactive form](#) and [non-interactive form](#).

FormCalc

A calculation language similar to that used in common spreadsheet software that facilitates form design without requiring a knowledge of traditional scripting techniques or languages.

form design

The design-time version of a form that a form author or form developer creates using LiveCycle Designer ES.

form guide

An alternative view of a form that guides users through the form-filling process using a wizard-like approach.

form guide layout

Consolidates all of the components that make up the end-user interface of a form guide, including navigation tools (tree, top tab, button bar), panel layouts, and custom components.

G

gateway

The entity in a process diagram that contains one or more branches and is used to control the diverging and converging of sequence flow. In LiveCycle Workbench ES, a gateway is represented by a diamond shape.

Guide Builder

The tool within LiveCycle Designer ES that provides users the ability to create form guides from form designs.

I

interactive form

A form that a person can interact with and complete electronically both online (for example, PDF, form guide, HTML, or Flex application) and offline (for example, PDF). See also [non-interactive form](#).

interceptor

An executable object. Such objects can be chained together and are executed in the order that they are added. An interceptor requests and performs specific tasks.

L

LCA file

A LiveCycle ES archive file that contains a file along with metadata that can be used during application deployment. This can be any file stored in the resources view in LiveCycle Workbench ES.

LiveCycle Remoting

A LiveCycle Data Services ES feature that lets Flex applications invoke service methods.

M

Message Service

Provides publish-subscribe messaging functionality for Flex clients. You can also use the Message Service to interact with third-party Java Message Service (JMS) providers.

MXML

An Adobe XML-based markup language used to declaratively describe user interfaces. MXML includes a rich set of tags that can also be extended to create custom components. MXML-defined user interfaces are rendered by Flash Player, which provides an engaging user experience.

N

non-interactive form

A form that users can view electronically. The form must be printed and filled by hand. A non-interactive form can also be prepopulated with data by a server process, but users cannot change the data. A non-interactive form is designed for output to the screen or printer as PDF, HTML, PCL, or PostScript. See also [interactive form](#).

O

operation

In LiveCycle Workbench ES, operations are added to process diagrams to represent activities that are performed in processes. A service is made up of one or more operations, whereby, each operation represents an interaction with its related component. An operation can be invoked through a number of endpoints, such as web services, Java API, remoting, email, or watched folders.

P

page assembly

A task that the Assembler service performs when it brings together the PDF page content of multiple PDF files.

PDF

Portable Document Format. A universal file format that preserves the fonts, images, and layout of source documents that are created on a wide range of applications and platforms.

PDF form

Any PDF file that contains one or more form fields. A PDF form can be created in Acrobat or LiveCycle Designer ES. See also [Acrobat form](#) and [XML form](#).

permission group

A convenient grouping of permissions, such as Read, which consists of ReadProperties and ReadChildren. A permission group that is assigned to an authority for a particular content node is known as an ACL (access control list). A permission group that is assigned to an authority regardless of the content node is known as a global permission.

permissions

(Adobe LiveCycle ES) Security settings applied to a file, for example, to restrict users from opening, editing, printing, or removing encryption from a file. Permissions cannot be changed unless the user has the Permissions password.

(Adobe LiveCycle Content Services ES) A type of security that is identified by a string. A particular permission, such as ReadChildren, can be denied or granted to an authority, a user, a group, an administrator, an owner. The children of a node inherit permissions from their parents; therefore, by default, the files in a folder inherit their permissions from the folder. Permissions that are set on a content node take precedence over permissions that are set on the parent nodes. The inheritance of permissions may be turned off for any node.

policy

A collection of information that includes document confidentiality settings and a list of authorized users. The confidentiality settings specified in a policy determine how a recipient can use documents to which the policy is applied. A policy is created using Adobe LiveCycle Rights Management ES. See also [policy set](#).

policy-protected document

A PDF document that has security permissions set by applying a policy using LiveCycle Rights Management ES, or a PDF form that has security permissions set by applying a policy using Acrobat.

policy set

Represents a group of policies that have a common business purpose. See also [policy](#).

prepopulated form

A form that appears to the user with some or all fields automatically populated with data.

process

Represents a business process that is automated using LiveCycle ES. LiveCycle Workbench ES is used to model a business process at design time. At run time, a process is a service that runs on the LiveCycle ES server.

producer

The Flex client component that you use to send messages to LiveCycle Data Services ES Message Service destinations. See also [consumer](#).

R

remote object

A Flex client object that you use to call methods on server-side objects.

render

An action in which a form design is merged, possibly with data, to display a form as a PDF, form guide, HTML, or SWF file in a web browser or web application.

repository

The storage system for LiveCycle ES assets. A database that allows objects to be versioned and referred to by an ID or a URL

restricted document

A PDF document with password security restrictions (permissions) that prevent the document from being opened, printed, or edited.

RIA

Rich Internet Application. A web application that has the features and functionality of a traditional desktop application. An RIA typically transfers the processing necessary for the user interface to the web client but keeps the bulk of the data on the application server.

Rights credential

A digital certificate specific to Adobe LiveCycle Reader Extensions ES that enables Adobe Reader usage rights to be activated in the PDF documents produced. The Rights credential is used to extend the usage rights of each PDF file processed by LiveCycle Reader Extensions ES.

rights-enabled document

A PDF document that includes security extensions that allow Adobe Reader users to perform such tasks as fill forms, add comments, and sign documents.

RPC component

Remote Procedure Call component. In a typical Flex application, an RPC component sends data as input to one or more RPC services. When an RPC service executes, it returns its results data to the RPC component that made the request. Flex RPC components are based on a service-oriented architecture (SOA). Service adapters bridge Flex destinations to back-end systems.

S

script fragment

A piece of FormCalc or JavaScript™ code that can be reused across multiple XDP files.

security handler

A software module that implements various aspects of the encryption process and controls access to the contents of the encrypted document. It contains all security logic, such as how to sign and verify signatures.

service

A contract that specifies one or more interactions with a component. See also [component](#).

service configuration

Multiple versions of a service.

space

Used to store and organize content items and other spaces. A *space* can hold any type of content. A *space* and its contents can be moved or copied from one location to another. Each *space* has an owner who can make any changes to the space or its immediate contents. A *space* can have content rules defined for how the content that enters, exits, or currently resides in a space is managed. A *smart space* is a space that has rules applied for automatic content actions.

space template

A template that has predefined content rules and subspaces that can be used to create a new space.

T

tagged Adobe PDF form

A form that includes a logical structure and a set of defined relationships and dependencies among the various elements, as well as additional information that permits reflow. See also [accessible form](#).

trusted identity

An identity recognized by the associated certificate. Only specified trusted identities can sign a form.

turnkey

An installation option that automatically installs and configures the LiveCycle ES product files, an application server, and database, and deploys the product files to the application server. After you perform a turnkey installation, LiveCycle ES is ready to use.

U

usage rights

A set of rights that extend the functionality of Adobe Reader and allow users to perform such tasks as save forms with data, add comments, and sign documents.

W

web script

Opens LiveCycle Content Services ES and makes it accessible to other tools and applications. Web scripts can generate dynamic feeds from documents that are managed within the LiveCycle Content Services ES repository. Each web script is bound to a HTTP method and custom URL. The two types of web scripts are data web script and user interface web script.

Wrapper

An HTML page that embeds the SWF file for a Flex application. Wrappers can also be responsible for express install and browser management.

X

XDP file

XML Data Package. LiveCycle Designer ES saves a form design as an XDP file that can be rendered as a form guide or a PDF, HTML, or SWF file.

XML Forms Architecture

A representation of the underlying technology beneath the Adobe XML forms solution. It enables the construction of robust and flexible form-based applications for use on either the client or the server.

XML form

A PDF form that conforms to the Adobe XML Forms Architecture. XML forms are typically created in LiveCycle Designer ES. The originating form design can have the file name extension .xdp or .pdf. See also [Acrobat form](#) and [PDF form](#).

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Single sign-on, extending Active Directory to Adobe LiveCycle ES provided by Quest Software “www.quest.com/identity-management” in a subsequent minor release that is not a bug fix (i.e., version 1.1 to 1.2 but not 1.1.1 to 1.1.2) of the Licensee Product that incorporates the Licensed Product.

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