



# Becoming Process Automation ACE Certified

A how-to guide on the process of becoming ACE certified and receiving the prestigious LiveCycle Developer: Process Automation certification.

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- [Adobe Certifications](#)
- [Process Automation ACE Exam Preparation Guide](#)
- [Core ACE Exam ACE Exam Preparation Guide](#)
- [Pearson VUE Testing Center](#)

## Introduction

An Adobe Certified Expert (ACE) is a person who has demonstrated a professional level in proficiency with one or more Adobe software products. To become an ACE, you must pass one or more product-specific proficiency exams and agree to the ACE terms and conditions.

There are many ACE certifications available from Adobe. This document focuses on a single ACE certification from the Adobe® LiveCycle® Developer track, Process Automation.

## Why become an ACE?

**As an individual, an Adobe Certified credential allows you to:**

- Differentiate yourself
- Get your résumé noticed
- Gain recognition from your manager
- Receive social and monetary recognition

**As a manager, use the Adobe Certified credential as a benchmark so you can:**

- Find the right person for the job
- Quickly assess candidate skill levels
- Invest in and promote your most promising employees

**As an organization, you can:**

- Attract and win new business
- Find the right person for the assignment or customer requirement
- Prove your worth as a department or consulting organization
- Maintain your partner or developer status with Adobe
- Leverage the power of the Adobe brand

## The exams

Process Automation certification requires that you write and pass two specific exams. The first and most important of the exams is the Adobe® LiveCycle® Enterprise Suite (ES2) Core ACE Exam, which is the starting point and requirement of most of the LiveCycle ACE certifications. Following the Core exam you will need to pass the LiveCycle ES2 Process Automation ACE exam.

### Adobe LiveCycle ES2 Core ACE Exam 9A0-136

If you have been exposed to LiveCycle server technology for at least one year with hands-on development experience on customer projects or proofs of concept, it is highly likely that you will be able to write and pass this exam with only a simple review of the preparation guide and the associated product documentation related to each of the topics.

LiveCycle ES2 Core ACE Exam 9A0-136		
Topic	% of Exam	# of Questions
Understanding LiveCycle	12%	7
Understanding form types	8%	4
Creating and managing applications	12%	7
Understanding roles and permissions	6%	3
Designing processes	21%	11
Interacting with backend systems	9%	5
Creating and consuming custom components	8%	4
Working with events	8%	4
Securing and consuming endpoints	8%	4
Monitoring and troubleshooting processes	8%	4

### Adobe LiveCycle ES2 Process Automation ACE Exam 9A0-137

The Process Automation exam requires a **working of BAM and Content Services** and related LiveCycle services.

LiveCycle ES2 Process Automation ACE Exam 9A0-137		
Topic	% of Exam	# of Questions
Using Workspace	23%	6
Working with users	26%	7
Monitoring business processes	12%	3
Working with dashboards	12%	3
Interfacing with content management systems	8%	2
Working with LiveCycle ContentSpace ES2	19%	5

# Becoming an ACE

## Step 1: Registration and scheduling

ACE exams are administered by Pearson VUE, an independent third-party testing company with testing facilities offered at over 5,000 authorized testing centers in over 100 countries. The certification exam fee is \$150 US for the Core exam and \$55 US for the Process Automation supplementary exam.

Online scheduling with Pearson VUE is a two part process. The first step is to create a web account which contains your user profile. When you have completed the first step, you will receive an e-mail that allows you to continue to the second step. In many cases, you will be able to schedule your test immediately after creating a web account. The second step is to schedule (and, if necessary, pay for) your testing appointment.

### a. Create a new web account

Before you can schedule your certification or test appointment online, you must first create a web account with Pearson VUE. This is not related to your Adobe ID.

Visit the Pearson VUE web site to register online at <http://www.vue.com/adobe/>.

For more information on the web account process, refer to the help provided by Pearson Vue on the Pearson website at [http://www.pearsonvue.com/reg\\_guide/capva/](http://www.pearsonvue.com/reg_guide/capva/)

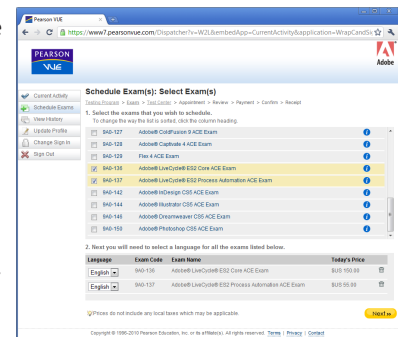
### b. Schedule a test appointment

Once you have your Pearson VUE web account username and password, you can proceed to schedule an appointment by signing in to your account. Payment, if required, must be made at the same time as scheduling your exam appointment.

The testing program should have been automatically selected for you if you started the registration process from the <http://www.vue.com/adobe/> URL. If not, when prompted, select "Adobe" as the Test Program.

To become Process Automation ACE Certified you will need to schedule the 9A0-136 Adobe LiveCycle ES2 Core ACE Exam and 9A0-137 Adobe LiveCycle ES2 Process Automation ACE Exam. It is suggested that you do not take both exams at one sitting and schedule the Core exam first.

Next, you can choose the test center for your exam. You begin by searching for test centers using geographical criteria: country, city, and/or ZIP/postal code. Once you have found the testing centers in your area, be sure to select more than one center to provide you with greater scheduling flexibility. Selecting only one testing center may provide you with a limited testing schedule.



Now, you will choose the date and time of your exam appointment and select the appropriate time and date.

Next, you will see your test appointment selected, and the amount to pay shown below it. Your contact details are also shown on the review page. If you have a voucher or promotion code to apply to your exam, this is also the place to enter it.

After you have clicked the "Confirm Order" button, an e-mail confirming your test appointment will be sent to the e-mail address in your profile. As with your password e-mail, it should arrive almost immediately.

After you have scheduled your exam, it will immediately appear on the Current Activity screen under Future Appointments. **If you need to reschedule or cancel your exam, you can access these links from here.**

For more information on creating appointments, refer to the help provided by Pearson Vue on the Pearson website at [http://www.pearsonvue.com/reg\\_guide/schedule/](http://www.pearsonvue.com/reg_guide/schedule/).

When you complete your registration on the Pearson site and schedule an exam, you will be provided with a Candidate ID, Registration Number, Test Date, and Site Number. **You must take note of this information, as it will be required when you wish to access your certification benefits.**

## Step 2: Prepare for the exam

Certification exams are computer-delivered, closed-book tests consisting of multiple-choice questions. Each exam takes one to two hours to complete and results are given to you at the testing center immediately after you finish.

At least one month prior to the exam, review both the Core and Process Automation preparation guides. These documents include additional details around the questions that may be asked during the exam and will help direct you to the topics you will need to study.

Core ACE Exam Preparation Guide

[http://partners.adobe.com/public/en/ace/ACE\\_Exam\\_Guide\\_LiveCycleEX2\\_Core.pdf](http://partners.adobe.com/public/en/ace/ACE_Exam_Guide_LiveCycleEX2_Core.pdf)

Process Automation ACE Exam Treisman Preparation Guide

[http://partners.adobe.com/public/en/ace/ACE\\_Exam\\_Guide\\_LiveCycleEX2\\_ProcessAutomation.pdf](http://partners.adobe.com/public/en/ace/ACE_Exam_Guide_LiveCycleEX2_ProcessAutomation.pdf)

### Suggested study materials

This list provides you with some of the suggested reading materials that should be reviewed prior to taking each of the exams. This list is not all-inclusive.

#### Adobe LiveCycle ES2 Core ACE Exam 9A0-136

##### Understanding LiveCycle

- LiveCycle ES2.5 Glossary  
[http://help.adobe.com/en\\_US/livecycle/9.0/glossary.pdf](http://help.adobe.com/en_US/livecycle/9.0/glossary.pdf)
- Understanding LiveCycle ES2's Application Model, by Craig Randall  
<http://craigrandall.net/archives/2010/05/livecycle-es2-app-model/>
- LiveCycle ES2.5 Overview  
[http://help.adobe.com/en\\_US/livecycle/9.0/overview.pdf](http://help.adobe.com/en_US/livecycle/9.0/overview.pdf)
- LiveCycle® ES2.5 Services  
[http://help.adobe.com/en\\_US/livecycle/9.0/services.pdf](http://help.adobe.com/en_US/livecycle/9.0/services.pdf)

##### Understanding form types

- Adobe LiveCycle Designer ES2 (Getting Started, Introducing Forms and Form Designs, About Forms)  
[http://help.adobe.com/en\\_US/livecycle/9.0/designerHelp/index.htm](http://help.adobe.com/en_US/livecycle/9.0/designerHelp/index.htm)
- The Difference Between Static and Dynamic, by Lee Sutton  
[http://blogs.adobe.com/asktheexperts/2009/09/the\\_difference\\_between\\_static.html](http://blogs.adobe.com/asktheexperts/2009/09/the_difference_between_static.html)
- Understanding the Differences Between Static and Dynamic PDF Forms  
[http://help.adobe.com/en\\_US/livecycle/8.2/static\\_dynamic\\_diffs.pdf](http://help.adobe.com/en_US/livecycle/8.2/static_dynamic_diffs.pdf)

##### Creating and managing applications

- Managing Processes  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=000276.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=000276.html)
- Moving Applications into Another Environment  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=MovingApplications.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=MovingApplications.html)
- Creating Your First LiveCycle Application  
[http://help.adobe.com/en\\_US/livecycle/9.0/createfirstapp.pdf](http://help.adobe.com/en_US/livecycle/9.0/createfirstapp.pdf)

##### Understanding roles and permissions

- Managing Roles and Permissions  
[http://help.adobe.com/en\\_US/livecycle/9.0/programLC/help/index.htm?content=001036.html](http://help.adobe.com/en_US/livecycle/9.0/programLC/help/index.htm?content=001036.html)

### Designing processes

- Processes, Orchestrations, Services, and Other Confusing Terminology, by Howard Treisman  
<http://avokahhh.wordpress.com/category/livecycle/designing-processes/>
- Designing Human-centric Processes  
[http://help.adobe.com/en\\_US/LiveCycle/9.5/WorkbenchHelp/WS92d06802c76abadb-1cc35b-da128261a20dd-7ff4.html](http://help.adobe.com/en_US/LiveCycle/9.5/WorkbenchHelp/WS92d06802c76abadb-1cc35b-da128261a20dd-7ff4.html)
- Process Design Guidelines  
[http://help.adobe.com/en\\_US/LiveCycle/9.5/WorkbenchHelp/WS92d06802c76abadb-1cc35b-da128261a20dd-7f1f.html](http://help.adobe.com/en_US/LiveCycle/9.5/WorkbenchHelp/WS92d06802c76abadb-1cc35b-da128261a20dd-7f1f.html)

### Interacting with back-end systems

- Invoking Web Services Using Custom Components, by Scott Macdonald  
[http://www.adobe.com/devnet/livecycle/articles/extend\\_webservices.html](http://www.adobe.com/devnet/livecycle/articles/extend_webservices.html)
- How Many Ways Can You Call a Web Service, by Gary Gilchrist  
<http://highway101.wordpress.com/2008/04/23/how-many-ways-can-you-call-a-web-service/>  
<http://highway101.files.wordpress.com/2008/04/ws2.pdf>

### Creating and consuming custom components

- Creating Components that Use Custom Data Types  
[http://help.adobe.com/en\\_US/livecycle/9.0/programLC/help/index.htm?content=001404.html](http://help.adobe.com/en_US/livecycle/9.0/programLC/help/index.htm?content=001404.html)
- Developing Components  
[http://help.adobe.com/en\\_US/livecycle/9.0/programLC/help/001379.html](http://help.adobe.com/en_US/livecycle/9.0/programLC/help/001379.html)
- Adobe LiveCycle Workbench ES Component Development Tool (install and experiment with this tool)  
<http://labs.adobe.com/downloads/lcwcddtool.html>
- Ask the Experts - Creating Custom Components  
<http://my.adobe.acrobat.com/p55088169/>

### Working with events

- Ask the Experts - An Introduction to LiveCycle Events  
<http://my.adobe.acrobat.com/p64436123/>
- Catching Event Throws  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=000113.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=000113.html)
- Controlling Process Flow Using Events  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=003013.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=003013.html)
- Throwing Events  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=000111.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=000111.html)

### Securing and consuming endpoints

- Managing Endpoints  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000541.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000541.html)
- Configure General LiveCycle ES2 Settings  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000006.html#1553392](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000006.html#1553392)
- Configuring Watched Folder Endpoints  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000106.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000106.html)
- Modifying Security Settings for a Service  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000141.html#1592362](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000141.html#1592362)

## Monitoring and troubleshooting processes

- Health Monitor  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000376.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000376.html)
- Working with Stalled Operations and Branches  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000357.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000357.html)
- Configuring Notifications for Administrators  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000342.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000342.html)
- Configuring LiveCycle Process Management ES2  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000337.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000337.html)
- Working with Process Instances  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000346.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000346.html)
- Debugging Processes in LiveCycle Workbench ES - Record and Playback, by Gilbert Yu  
[http://blogs.adobe.com/livecycledocs/2008/07/debugging\\_processes\\_in\\_livecyc.html](http://blogs.adobe.com/livecycledocs/2008/07/debugging_processes_in_livecyc.html)
- Opening Recordings in Playback Mode  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=000373.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=000373.html)

## Adobe LiveCycle ES2 Process Automation ACE Exam 9A0-137

### Using Workspace

- Customizing the LiveCycle Workspace ES User Interface  
[http://help.adobe.com/en\\_US/livecycle/es/customizeworkspaceui.pdf](http://help.adobe.com/en_US/livecycle/es/customizeworkspaceui.pdf)
- LiveCycle Workspace ES in a Nutshell, by Gilbert Yu  
[http://blogs.adobe.com/livecycledocs/2008/10/livecycle\\_workspace\\_es\\_in\\_a\\_nu.html](http://blogs.adobe.com/livecycledocs/2008/10/livecycle_workspace_es_in_a_nu.html)
- What do the LiveCycle 'Process Fields' Really Do, by Howard Treisman  
<http://www.avoka.com/blog/?p=203>
- Best Practices for Workspace ES2  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=001009.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=001009.html)

### Working with users

- Assign Multiple Tasks Operation  
[http://help.adobe.com/en\\_US/LiveCycle/9.5/WorkbenchHelp/WS92d06802c76abadb-1cc35b-da128261a20dd-7e51.html](http://help.adobe.com/en_US/LiveCycle/9.5/WorkbenchHelp/WS92d06802c76abadb-1cc35b-da128261a20dd-7e51.html)
- Involving Users in Processes  
[http://help.adobe.com/en\\_US/livecycle/9.0/workbenchHelp/help.htm?content=involveusers.html](http://help.adobe.com/en_US/livecycle/9.0/workbenchHelp/help.htm?content=involveusers.html)
- Just-in-Time Provisioning of LiveCycle ES2 users  
[http://kb2.adobe.com/cps/874/cpsid\\_87493.html](http://kb2.adobe.com/cps/874/cpsid_87493.html)
- Default LiveCycle ES2 Roles  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=000077.html#1573703](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=000077.html#1573703)
- Performance Appraisal (LiveCycle ES2 Product Sample)  
[http://help.adobe.com/en\\_US/livecycle/9.0/samples/ApplicationPerformanceAppraisal.html](http://help.adobe.com/en_US/livecycle/9.0/samples/ApplicationPerformanceAppraisal.html)
- About Administering User Management  
[http://help.adobe.com/en\\_US/livecycle/9.0/adminHelp/admin.htm?content=context\\_1.html](http://help.adobe.com/en_US/livecycle/9.0/adminHelp/admin.htm?content=context_1.html)

### Monitoring business processes

- Using Business Activity Monitoring ES Workbench  
[http://help.adobe.com/en\\_US/livecycle/es/workbench.pdf](http://help.adobe.com/en_US/livecycle/es/workbench.pdf)
- Ask the Experts - An Introduction to BAM  
<http://my.adobe.acrobat.com/p83262604/>

### Working with dashboards

- Dashboards at a Glance  
[http://help.adobe.com/en\\_US/lifecycle/9.0/bamHelp/obi\\_id665dashboardsataglancen.html#DashboardsataGlanceN5008D](http://help.adobe.com/en_US/lifecycle/9.0/bamHelp/obi_id665dashboardsataglancen.html#DashboardsataGlanceN5008D)
- Configure the Dashboard Layout and Contents  
[http://help.adobe.com/en\\_US/lifecycle/9.0/contentspaceEUHelp/help.htm?content=000027.html](http://help.adobe.com/en_US/lifecycle/9.0/contentspaceEUHelp/help.htm?content=000027.html)

### Interfacing with content management systems

- Understanding the LiveCycle interface  
[http://help.adobe.com/en\\_US/lifecycle/9.0/contentspaceEUHelp/000021.html#1601738](http://help.adobe.com/en_US/lifecycle/9.0/contentspaceEUHelp/000021.html#1601738)
- Ask the Experts - Programmatically accessing Adobe LiveCycle Content Services ES2  
<http://my.adobe.acrobat.com/p28964807/>
- Preserving Process Results Using the Archive Wizard  
[http://help.adobe.com/en\\_US/lifecycle/9.0/workbenchHelp/help.htm?content=001453.html](http://help.adobe.com/en_US/lifecycle/9.0/workbenchHelp/help.htm?content=001453.html)

### Working with Content Space

- Getting Started with LiveCycle Contentspace ES  
[http://help.adobe.com/en\\_US/lifecycle/9.0/contentspace\\_gettingstarted.pdf](http://help.adobe.com/en_US/lifecycle/9.0/contentspace_gettingstarted.pdf)
- Change the Appearance of a Space  
[http://help.adobe.com/en\\_US/lifecycle/9.0/contentspaceEUHelp/help.htm?content=000023.html#1579336](http://help.adobe.com/en_US/lifecycle/9.0/contentspaceEUHelp/help.htm?content=000023.html#1579336)
- Adding Content Items to a Space  
[http://help.adobe.com/en\\_US/lifecycle/9.0/contentspaceEUHelp/help.htm?content=000046.html#1593165](http://help.adobe.com/en_US/lifecycle/9.0/contentspaceEUHelp/help.htm?content=000046.html#1593165)
- Automatically Numbering Documents Uploaded to LiveCycle Contentspace ES2, by Yogesh Bahuguna  
[http://www.adobe.com/devnet/lifecycle/articles/autonumbering\\_docs.html](http://www.adobe.com/devnet/lifecycle/articles/autonumbering_docs.html)

### Suggested work exercises

In addition to the suggested reading materials, this list provides you with some work activities for you to complete in advance of the exam. This list is not all-inclusive.

### Adobe® LiveCycle ES2 Core ACE Exam 9A0-136

#### Understanding LiveCycle

- Open LiveCycle Workbench ES2 and open the Services view to review the service hierarchy and operation names.

#### Understanding form types

- From within Workbench, create both a static and dynamic PDF form with JavaScript functionality that makes certain fields appear and disappear. Note the differences between static and dynamic documents.
- Create and use both PDF and XDP's in a process inserting and collecting data from both types of forms within your process.

#### Creating and managing applications

- Create a new application with numerous folders and versions within it's hierarchy.
- Create a LiveCycle archive from an application and then import and activate this archive on another server.

### Understanding roles and permissions

- Integrate your LiveCycle server with a local LDAP server and synchronize users and groups.
- Create a local domain group and user, then add the new user to the group. Ensure all users in the new group can access services of LiveCycle and initiate processes from Workspace.
- Create a process and assign a task to both the user and the group you created using both queue and random user assignments.

### Designing processes

- Create a long-lived process that calls a short-lived process from within its workflow. The short-lived process should receive two numeric parameters and return one numeric parameter. The short-lived service will add the numeric input parameters together and return the result to the long-lived process.

### Interacting with back-end systems

- Modify the short-lived process to create a record in a local table writing the two input parameters to the table each time the process is called.
- Call the short-lived process you created from a dynamic PDF form by invoking the Web Service operation created automatically by LiveCycle. This should allow the user to enter the 2 input parameters into the form with the result automatically being displayed when the user exits from the second input field.
- Create a short-lived process that calls the number-adding process you created in a previous step using Invoke Web Service operation and the WSDL interface created automatically by LiveCycle.

### Creating and consuming custom components

- Create a custom component that receives a single input parameter and returns a result string with "Hello <inputParameter>" when called. Install and call this custom component from a long-lived process.
- Create a long-lived process that calls your custom DSC while record and playback is active. View the changes in any variables you create as you step through the recorded process.

### Working with events

- Create a short-lived process that is executed when a custom event is called. This process will receive two numbers which will be added together with the result being written out to the file system as a text file.
- Create a short-lived process that initiates the previous process by creating a custom event passing the required parameters.

### Securing and consuming endpoints

- Create a short-lived process that calls the number-adding process you created in one of the previous exercises using Invoke Web Service operation and the WSDL interface created automatically by LiveCycle.
- Use the LiveCycle Administration Console to ensure that the service may only be called by one specific user. Observe the results when accessing the service as both an authorized and unauthorized user.

### Monitoring and troubleshooting processes

- Use the LiveCycle Health Monitor to review the memory usage of the JVM hosting LiveCycle.
- Create a short-lived process with two services. Add a defect to the second service to ensure the process will stall when called. Call the defective process from another process. Ensure that notification e-mails are sent by the server for the stalled process. Correct the defect. Using the Administration Console, find the stalled process and retry the operation.

## Adobe LiveCycle ES2 Process Automation ACE Exam 9A0-137

### Using Workspace

- Create a long-lived process that exposes a custom variable to Workspace users.
- Create a customized version of the Workspace interface replacing the ES2 logo on the login and main Workspace displays with an image of your choosing.

### Working with users

- Create a long-lived process that includes an XDP that allows a Workspace user to initiate the form and have the XDP approved by 4 users determined by the form itself. The process will assign the task to all 4 users and will send an approval e-mail to the initiating user if more than 50% of the assigned users approve the task.

### Monitoring business processes

- Create a long-lived process that is displayed on the BAM dashboard
- Publish a custom variable to the BAM dashboard from a long-lived process.
- Provide access to a specific set of users to both administer and use the BAM interface.

### Working with dashboards

- Change the default properties for a specific user.

### Interfacing with content management systems

- Review the list of supported 3rd party content management systems from within Workbench.
- Create a long-lived process that renders an XDP to a user through Workspace, once submitted, this XDP is rendered into a PDF and flattened. The process writes both the flattened and rendered PDF document to Content Services. The file name added to Content Services is determined by the user within the form.

### Working with Content Space

- Using the web interface to Content Services, create a new space and add documents to this space. Add a rule to the same space that automatically adds the versioning aspect to documents added.

## Step 3: Write the exam

Exams are held in the physical training location you selected booking the exam on the Pearson VUE site. To review your schedule or find directions, return to the Pearson VUE web site online at <http://www.vue.com/adobe/>.

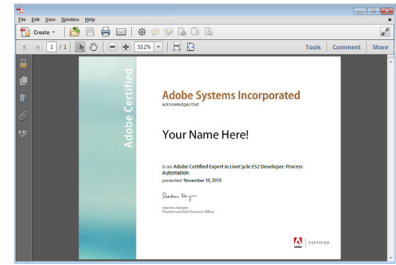
Certification exams are computer-delivered, closed-book tests, consisting of multiple-choice questions. Depending on the location selected, you may not be able to bring any personal items into the testing room. These items may include but not be limited to watches, mobile phones, and PDAs, so be sure to leave these types of items at home or in a secure location for the duration of the test.

After completing the exam you will be notified immediately of the results of a pass or failure. Once you exit the exam room you will be provided with a document noting your grade and the testing results for each section of the exam. **The document also includes very important information that you will require to obtain the ACE logo assets and testing results online.**



## Step 4: Get your certificate and logo

After passing both exams your official certificate will arrive 7 to 10 days following the last exam to the e-mail address you used to register for the exams. Be sure that you add the e-mail address "certification@fiber.net" to your authorized sender list as to not be caught by any spam filters. This e-mail will include an official PDF of your certificate that you may print, frame, and display in your work area.

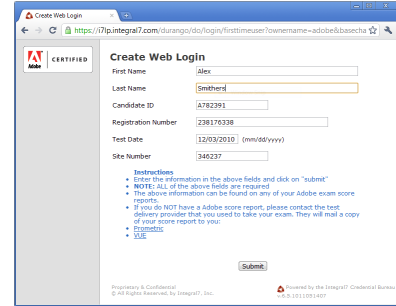


To obtain your logo and review your credentials you may visit the Adobe Certified community at <http://www.adobe.com/support/certification/community.html>.

Once you have passed the two required exams, the [Adobe Certified community](#) provides you with the links where you can:

- Verify exam results
- Get a copy of the Certification Agreement
- **Download your Adobe Certified logo**
- Update your profile

Before obtaining your credentials and logo you must create a Web Login specific to the certification system. This is not your Adobe ID. **The details required to complete the Web Login are provided on the document you were given following the completion of your exam.**



## Additional resources

### Discount Codes

Members of the LiveCycle users community may obtain a 50% discount when writing LiveCycle exams. Visit <https://www.livecycleusers.com/benefits/livecycle-user-benefits.html> to register and obtain the discount code.

### Web links

Adobe Certifications Home Page  
<http://www.adobe.com/support/certification/ace.html>

Process Automation ACE Exam Preparation Guide  
[http://partners.adobe.com/public/en/ace/ACE\\_Exam\\_Guide\\_LiveCycleEX2\\_ProcessAutomation.pdf](http://partners.adobe.com/public/en/ace/ACE_Exam_Guide_LiveCycleEX2_ProcessAutomation.pdf)

Core ACE Exam ACE Exam Preparation Guide  
[http://partners.adobe.com/public/en/ace/ACE\\_Exam\\_Guide\\_LiveCycleEX2\\_Core.pdf](http://partners.adobe.com/public/en/ace/ACE_Exam_Guide_LiveCycleEX2_Core.pdf)

Pearson VUE Testing Center  
<http://www.pearsonvue.com/Adobe/>

### Adobe Enterprise Business Partners

By December 31st, 2011 all enterprise-level Adobe business partners will be required to have at least four ACE-holding employees to maintain their partner status. These employees may be full time or contractual, but may not allocate their ACE certification to more than more employer at any one time.

### Support

For **certification support**, please send an e-mail to any of these regional certification-specific help channels: North America – [napart@adobe.com](mailto:napart@adobe.com), EMEA – [europartner@adobe.com](mailto:europartner@adobe.com), APAC – [apacpartner@adobe.com](mailto:apacpartner@adobe.com), and Japan – [japanpartner@adobe.com](mailto:japanpartner@adobe.com).

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We welcome your ideas and comments. Please send any feedback on this technical guide or suggestions for other topics to: [asktheexperts@adobe.com](mailto:asktheexperts@adobe.com)

For more information and additional product details: <http://www.adobe.com/devnet/livecycle/>



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