

# Final Cut Server 1.5

Exam Preparation Guide



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## About this Guide



This guide provides all the information that you need to prepare for the Final Cut Server 1.5 exam to earn Apple Certified Pro Level One certification. From this guide you can:

- Learn about Apple Certification.
- Find out how to take the exam.
- Locate resources to help you prepare for the exam.
- Review the range of objectives that the exam may cover.

## Becoming an Apple Certified Pro

The Apple Training & Certification program is designed to keep you at the forefront of Apple technology. Apple Certification creates a benchmark to demonstrate your proficiency in specific Apple technologies and gives you a competitive edge in today's evolving job market.

### What is an Apple Certified Pro?

An Apple Certified Pro is a user who has reached the highest skill level in the use and operation of Apple's Pro Applications as attested to by Apple.

### How do I become an Apple Certified Pro?

To become an Apple Certified Pro, you must pass an online exam administered at an Apple Authorized Training Center (AATC). Level One exams are administered at the end of specific courses at the centers. If you prefer to learn on your own or believe you already have the necessary skills in your chosen application, you may take an exam at an AATC for a fee.

Level One certification attests to basic operational knowledge. Level Two certification attests to a deeper understanding of the application. Level Two exams can be taken only after Level One certification is earned. Class attendance is recommended, but not required. Currently, Final Cut Server only offers Level One certification.

Final Cut Server 1.5 Level One certification also counts towards [Apple Certified Media Administrator \(ACMA\)](#) status, which verifies in-depth knowledge of Xsan architecture.

### What are the benefits of being an Apple Certified Pro?

Beside differentiating you as a skilled user of a specific Apple application, becoming an Apple Certified Pro allows you to leverage the power of the Apple brand. When you pass an Apple Certification exam, you receive an email with a PDF copy of your Apple certificate, along with instructions on how to order a printed and/or a printed and framed certificate. The email includes LinkedIn, Facebook, and Twitter icons to make it easy for you to share your certification news with your networks on these sites.

You also receive a login for the [Apple Certification Records System](#), where you can:

- Update your profile information and opt in to display your Apple Certification(s) on the Apple Certified Professionals Registry.
- Review your certification progress.
- Download your certification logo(s) to use on business cards, resumes, websites, and more.
- Provide access to employers to verify your certifications.

## Exam Details

The Final Cut Server 1.5 Level One exam is a computer-based test offered at AATCs. To find the closest AATC, please visit [training.apple.com/locations](http://training.apple.com/locations).

Many AATCs schedule Certification Exam Sessions at [training.apple.com/schedule](http://training.apple.com/schedule). If you don't see a session scheduled at your nearest AATC, you can contact the AATC and they will often schedule a session. **Please note that all AATCs offer all Mac OS X and Pro Apps exams, even if they don't offer the corresponding course.**

The Final Cut Server Level One exam details:

- Exam number: 9L0-833
- Number of test questions: approximately 44 technical, five demographic (unscored)
- The exam uses a random pool of multiple-choice, fill-in-the-blank and interactive-media questions.
- Passing score: 80% (scores are *not* rounded; you must earn a score of 80% or higher to pass the exam)
- Details on exam scoring appear at [training.apple.com/certification/faq](http://training.apple.com/certification/faq)
- Exam duration: One hour thirty minutes
- Currently, this exam is only available In English. For details on which exams are available in other languages, please visit [training.apple.com/certification/localized](http://training.apple.com/certification/localized).

The exam timer does not start until you view the first technical question. You may not access any resources or references during the exam.

## Recommended Exam Preparation

We recommend the following exam preparation strategies:

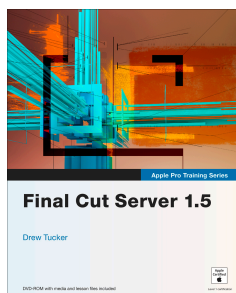
- Gain experience with the application.
- Learn from experts: [Administering Final Cut Server course](#).
- Study the *Apple Pro Training Series* book ["Final Cut Server 1.5" by Drew Tucker \(ISBN 0-321-64765-3\)](#).
- Review the optional study materials.
- Review the objectives and sample questions in this guide.

## Gain Experience with the Application

Nothing can substitute for time spent learning the application first hand. After you read the book and/or take the class, spend time increasing your familiarity with the software on your own to ensure your success on the certification exam.

## Learn from Experts

Apple Authorized Training Centers (AATCs) offer classes where you can learn hands-on with the technology and benefit from the expertise of Apple Certified Trainers and your peers. Visit the [Apple Training & Certification](#) website to find course offerings at nearby AATCs.



## Study the Apple Pro Training Series Book

Apple Pro Training Series books are the basis for the related Apple Certification exams. The book for this exam is [“Final Cut Server 1.5” by Drew Tucker \(ISBN 0-321-64765-3\)](#). You can purchase the book at [peachpit.com](#) ([click here](#) or a 30% discount code). [Creative Edge](#), an on-demand digital library, offers subscription access to the Apple Training and Apple Pro Training Series, as well as thousands of other reference videos and books. You can also purchase an ebook version from the iBookstore.

## Review the Optional Study Materials

The following resources may also help you to prepare for your certification exam, as well as to expand your general knowledge:

- Review the tutorials at [www.apple.com/finalcutstudio/resources/](http://www.apple.com/finalcutstudio/resources/). Over five hours of free tutorials are provided by leading training developers.
- Take the product tour at [www.apple.com/finalcutserver/tutorials](http://www.apple.com/finalcutserver/tutorials).
- Review the appropriate sections of the documentation at: [documentation.apple.com](http://documentation.apple.com). You can also launch the Final Cut Server documentation by choosing Help > Final Cut Server Manual or Help > New Features when Final Cut Server is launched.
- To learn about the online resources that allow you to ask questions and learn tips, visit [www.apple.com/finalcutserver/resources/](http://www.apple.com/finalcutserver/resources/).
- You may want to review the Apple ProRes white paper: [www.apple.com/finalcutstudio/finalcutpro/apple-prores.html](http://www.apple.com/finalcutstudio/finalcutpro/apple-prores.html).
- To provide comments and feedback to Apple about Final Cut Server: [www.apple.com/feedback/finalcutserver.html](http://www.apple.com/feedback/finalcutserver.html).
- Read the late breaking news at [www.apple.com/support/manuals/](http://www.apple.com/support/manuals/).
- If you are new to the Macintosh, you may want to review the tutorials at: [www.apple.com/support/mac101/](http://www.apple.com/support/mac101/) and [www.apple.com/findouthow/mac/](http://www.apple.com/findouthow/mac/).

## Review the Objectives and Review Questions

Even if you're self-taught or have taken courses that do not use the Apple Pro Training Series curriculum, you can still prepare yourself for the

certification exam by making sure that you can complete all the tasks and answer all the review questions in the following sections.

The Exam Objectives describe the knowledge domains assessed by the exam. The Review Questions summarize what you should have learned in each chapter. Please note that although this guide divides the objectives into lessons or knowledge areas, questions are presented randomly during the exam.

## Lesson One objectives

Upon completion of Lesson One, “Overview and Installation” in the Apple Pro Training Series book “Final Cut Server 1.5,” you should be able to complete the following tasks. Approximately two items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Understand Final Cut Server terms
- Install Final Cut Server
- Install the client application
- Understand the client application interface

## Lesson One review questions

After completing Lesson One, you should be able to answer the following questions:

1. What is the difference between a primary representation and a clip proxy?
2. What are the two main panes within Final Cut Server?
3. What is metadata?
4. Where can you access Final Cut Server’s Preferences menu within the client?

## Answers

1. The primary representation is the original file from which the asset was made. Clip proxies are smaller, lower-resolution files derived from the primary representation of a video asset. They’re more easily transmitted, especially over a low-bandwidth connection.
2. The Assets and Productions panes, which can be accessed from the main client application window in the upper-left corner.
3. *Metadata* means data about data. It is used to describe, find, and repurpose content. The Final Cut Server client application has powerful search fields where you can search for assets and productions using metadata information.
4. Preferences can be found in the Server pop-up menu in the upper-left corner of the main client window.

## Lesson Two objectives

Upon completion of Lesson Two, “Creating Assets via Upload” in the Apple Pro Training Series book “Final Cut Server 1.5,” you should be able to complete the following tasks. Approximately eight items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Discover the structure of metadata
- Upload assets into Final Cut Server

## Lesson Two review questions

After completing Lesson Two, you should be able to answer the following questions:

1. What is the largest metadata container in Final Cut Server?
2. When you upload a folder to Final Cut Server, what are your choices for bundling assets?
3. What are the two ways of manually uploading an asset to Final Cut Server?
4. True or false: When uploading multiple files at once, Final Cut Server allows you to modify the filename of each file.

## Answers

1. A metadata set.
2. In the “Do you want to create a bundle asset?” dialog, you can choose to upload the bundle as a single asset, or upload and create individual assets for each of the files within that folder.
3. You may use the Upload File option in the Server pop-up menu or drag a file into the Assets pane.
4. False. The Multiple Upload window will use the existing filenames and does not allow modification.

## Lesson Three objectives

Upon completion of Lesson Three, “Creating Assets via Final Cut Pro” in the Apple Pro Training Series book “Final Cut Server 1.5,” you should be able to complete the following tasks. Approximately six items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Create a device with add-only scan
- Modify a metadata set
- Automate creation of media assets
- Upload a Final Cut Pro project
- View metadata of an asset

### Lesson Three review questions

After completing Lesson Three, you should be able to answer the following questions:

1. What are the benefits of using log and transfer?
2. Which is less database-intensive: a full scan or add-only scan?
3. Where can you view the updated status of a Final Cut Pro project upload?
4. What is the name of the Log and Transfer metadata group?
5. When are edit proxies created?

#### Answers

1. The metadata entered is embedded directly into the file.
2. An add-only scan is less intensive, as this type of scan creates assets only from files on the device that are not currently cataloged.
3. The Search All Jobs window.
4. FCP Log and Transfer.
5. Only during the upload process of a Final Cut Pro project file.

### Lesson Four objectives

Upon completion of Lesson Four, "Creating Assets via Scans and Watchers" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. Approximately four items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Discover video assets
- Discover graphic assets
- Discover audio assets
- Work with watchers
- Work with scans

### Lesson Four review questions

After completing Lesson Four, you should be able to answer the following questions:

1. What are the differences between add-only and full scans?
2. How do you specify a file filter for a scan?
3. True or false: Scans are the only way to ingest material.
4. How often should you schedule full scans?
5. Should you use a scan or a watcher when attempting to transcode material?

## Answers

1. Add-only scans pick up new files only with a create date newer than the last time the scan was run. Full scans pick up new assets, modifications to existing assets, and deletions of assets from the file system being scanned.
2. To specify a filter for a scan, you need to create the scan in the Administration Window of the client application. This option is not available to you in System Preferences.
3. False. You can also use Watchers to ingest material, or you can simply drag and drop it to the Final Cut Server client application.
4. On a production, full scans should only be scheduled daily. If you don't have a large amount of material (or bandwidth concerns), you can schedule full scans twice daily.
5. If you're going to be transcoding material, the easiest way to achieve this is with a watcher.

## Lesson Five objectives

Upon completion of Lesson Five, "Searching and Organizing Assets" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. Approximately five items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Search for assets
- Modify the advanced search filter
- Save searches
- Delete assets
- Lock assets
- Create productions

## Lesson Five review questions

After completing Lesson Five, you should be able to answer the following questions:

1. True or False: The search field is case sensitive.
2. In the client application, where can you change the number of search results per page?
3. Which metadata group can you use to modify the metadata fields displayed in the Advanced Search panel?
4. True or False: Any user may delete an asset.

## Answers

1. False. Case sensitivity is ignored in searches.

2. You can change the number of search results per page in Preferences.
3. The Asset Filter metadata group can be configured for customized advanced searches.
4. False. A user must belong to a group with delete privileges.

## Lesson Six objectives

Upon completion of Lesson Six, "Editing with Final Cut Pro" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. Approximately six items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Work with Final Cut Pro projects
- Work with online media
- Work with offline proxy media
- Export content from Final Cut Server to Final Cut Pro
- Add content to Final Cut Pro
- Work with version control

## Lesson Six review questions

After completing Lesson Six, you should be able to answer the following questions:

1. What is an edit-in-place device?
2. When are Edit Proxies created?
3. Is it possible to define where Final Cut Server caches media?
4. If a media asset is not on an edit-in-place device, what must a user do before it can be used in Final Cut Pro?
5. What happens when a user reverts to a previous version of an asset?

## Answers

1. An edit-in-place device is one in which the server and clients have access to the media in the same path. Typically this would be an Xsan device, but it is also possible to configure other devices as edit-in-place.
2. If Edit Proxies are enabled, they will be created for assets contained in a Final Cut Pro project when the project is added or checked in.
3. Yes. The location of this cache is determined in the Preferences window on the client application. You can also set the maximum cache size.

4. The asset must first be cached on the local machine. It can then be dragged into Final Cut Pro.
5. The selected version replaces the primary representation, and all later versions are removed.

### Lesson Seven objectives

Upon completion of Lesson Seven, "Integrating with Applications" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. Approximately three items from this lesson is included in the pool of exam questions, drawn randomly from the following objectives:

- Work with Motion and Soundtrack Pro
- Work with graphics applications
- Map metadata
- Work with Podcast Producer
- Export XML

### Lesson Seven review questions

After completing Lesson Seven, you should be able to answer the following questions:

1. What do you need to check when you upload a Motion, Soundtrack, or DVD Studio Pro project to Final Cut Server?
2. What are four image file formats that support metadata?
3. Where is the Final Cut Server metadata mapping functionality located?
4. What happens when two external fields are mapped to the same internal field in Final Cut Server?
5. What mechanism is used to export metadata from Final Cut Server in a separate file?

### Answers

1. You need to check that any media linked to the projects is in a place accessible to other users.
2. JPEG, TIFF, PSD, and Digital RAW files support metadata.
3. In the Metadata Map pane in the Administration window.
4. The field with the lower priority number will take precedence.
5. The Write XML response may be used to export metadata as a separate file.

## Lesson Eight objectives

Upon completion of Lesson Eight, “Reviewing and Approving” in the Apple Pro Training Series book “Final Cut Server 1.5,” you should be able to complete the following tasks. Approximately seven items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Review and approve assets
- Use the Annotations window
- Configure metadata subscriptions
- Configure email notifications
- Output annotations as XML

## Lesson Eight review questions

After completing Lesson Eight, you should be able to answer the following questions:

1. What is the function of permission sets?
2. Where is Final Cut Server’s Review and Approve functionality located?
3. True or false: You can edit a lookup through a System Preferences pane.
4. How can you export annotations from Final Cut Server?
5. Why do you want to select the “Trigger if changed” checkbox when you create a metadata subscription through the Administration window?

## Answers

1. Permission sets allow you to restrict your users’ access to assets and what they are allowed to do with those assets and associated metadata.
2. The Review and Approve workflow metadata fields, lookups, and automations are located in the pane accessed by clicking the Review & Approve button at the top right of all asset’s info windows.
3. False. The Administration window is the only place you can create, modify, or delete lookups.
4. Annotations can be exported from Final Cut Server as XML by using a write XML response associated with a metadata subscription.
5. If you don’t select “Trigger if changed,” you could trigger an endless loop because the value being subscribed to is always being satisfied.

## Lesson Nine objectives

Upon completion of Lesson Nine, "Distributing Finished Media" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. Approximately two items from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Use watchers to distribute assets
- Use subscriptions to distribute assets

## Lesson Nine review questions

After completing Lesson Nine, you should be able to answer the following questions:

1. What delivery methods can you use within Final Cut Server?
2. To add custom subscription metadata fields, what metadata group do you need to edit?
3. True or False: You can use the System Preferences pane to create associate custom metadata fields with subscriptions.
4. What formats does Final Cut Server support for delivery?

### Answers

1. You can use watch folder automations or metadata subscriptions to automate the delivery of your finished media through Final Cut Server.
2. The Asset Filter metadata group.
3. False. You need to use the Administration window in the client application to associate custom metadata fields with subscriptions.
4. Final Cut Server supports any of the formats that Compressor supports (including plug-ins).

## Lesson Ten objectives

Upon completion of Lesson Ten, "Archiving" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. Approximately one item from this lesson are included in the pool of exam questions, drawn randomly from the following objectives:

- Creating Archive devices
- Adding archive status to the Asset filter metadata group
- Archiving and restoring assets
- Automating the archiving process

## Lesson Ten review questions

After completing Lesson Ten, you should be able to answer the following questions:

1. What stays online and what is taken offline during the archive process?
2. True or false: Final Cut Server can archive to only one device.
3. Which metadata field can you use to filter whether an asset is offline or online in the Advanced Search?
4. Where can you view the updated status of an archive or restore response?

### Answers

1. The proxies and metadata stay online, and the primary representation is taken offline.
2. False. Final Cut Server has the ability to archive to multiple devices.
3. Archive Status.
4. The Jobs window or the Log tab in the Administration window.

## Lesson Eleven objectives

Upon completion of Lesson Eleven, "Advanced Server Scenarios" in the Apple Pro Training Series book "Final Cut Server 1.5," you should be able to complete the following tasks. None of the material in this lesson is included in the end user certification exam; the material in this chapter is included in the Trainer certification exam. However, many candidates seek certification to bolster their resume as a consultant and the information in this lesson is important. The chapter covers the following objectives:

- Apply production scans
- Use the command-line client
- Change Thumbnails, List, and Tile view

## Lesson Eleven review questions

After completing Lesson Eleven, you should be able to answer the following questions:

1. What happens when you select the Reset Production Metadata checkbox?
2. What are two applications for mapping specific bits of a directory name into separate metadata fields?
3. What is the most important contributing factor to optimization of large databases?
4. What is the advantage of using fcsvr\_client binaries instead of the client application when searching assets?

5. How do you get access to all of the metadata for a given asset when working with `fcsvr_client`?

#### Answers

1. Existing productions are forced to have their metadata remapped and updated accordingly the next time a production scan is run.
2. It can be used as a building block for designing a naming convention, or as a foundation for building out more complex regular expressions.
3. Having adequate system RAM.
4. Once you get the Asset ID for the asset you want you can output the metadata as XML or parse it into another system.
5. Export the information outputted as XML.

## Taking the Final Cut Server 1.5 certification exam

The Final Cut Server 1.5 Level One certification exam must be taken at an Apple Authorized Training Center (AATC) in a proctored setting. To find the closest AATC, please visit [training.apple.com/aatc](https://training.apple.com/aatc).

Many AATCs schedule "Certification Exam Sessions" at [training.apple.com/schedule](https://training.apple.com/schedule). If you don't see a session scheduled, you can contact the AATC and they will often schedule one for you. Please note that all AATCS can offer all Mac OS X and Pro Apps exams, even if they don't offer the corresponding course.

## Prometric Exam FAQs

Please visit [training.apple.com/certification/faq](https://training.apple.com/certification/faq) for a list of Frequently Asked Questions. If you do not find the answer to your question, then [email us](mailto:apple@apple.com). Please allow at least two business days for a response.