



The Podcast and Streamed Internet Media Administration Exam Skills Assessment Guide

The Podcast and Streamed Internet Media Administration Exam (Prometric exam no. 9L0-613) is a computer-based test offered at Authorized Prometric Testing Centers.

The exam is one of several elective exams in the Apple Certified System Administrator (ACSA) track. If you pass this exam, you will earn Podcast and Streamed Internet Media Administration certification as well as 3 credits toward ACSA certification.

The exam lasts 90 minutes and consists of 54 multiple-choice questions that are based on the knowledge-area objectives listed in this guide.

The score required to pass is 65 percent (35 items out of 54). Eight demographic questions are presented but are not scored.

To prepare for the exam, read through the objectives in this guide to determine which areas you need to review. You will not have access to any resources or references during the exam. Please note that the exam is based on Mac OS X Server version 10.4.

The number of test questions drawn from each knowledge area is indicated for each topic below. Please note that although this guide divides the objectives into 5 knowledge areas, questions are presented randomly during the exam. Also note that UNIX commands and processes are shown in monotype in the exam.

Overview

This topic has 9 items, drawn randomly from the following objectives:

- Describe streaming.
- Describe podcasting.
- Identify the components of the QuickTime streaming architecture.
- Determine the delivery method most appropriate for a given situation.

Live Streaming with QuickTime Streaming Server

This topic has 9 items, drawn randomly from the following objectives:

- Describe the key components and requirements for live broadcasting.
- Identify the key considerations for source material.
- Identify compression considerations for live and on-demand media.

- Describe the benefits of MPEG-4, AAC, and H.264.
- Describe creation, delivery, and playback using 3GPP and 3GPP2.
- Identify tradeoffs when using different codec settings with live streaming.
- Describe how to:
 - Capture and distribute a live video stream.
 - Load test streams using different codecs and configurations.
 - Archive a stream.
 - Use QuickTime Streaming Server for reflecting and relaying.
 - Configure QuickTime Streaming Server for reflecting.
- Identify the benefits of reflecting and relaying as they pertain to load balancing.
- Recognize the difference between unicast and multicast transmission methods.
- Identify the impact of a chosen transmission method on a network's available bandwidth.
- Recognize the appropriate configuration and transmission method for a streaming server based on bandwidth availability and client access demands.

On-Demand Streaming

This topic has 14 items, drawn randomly from the following objectives:

- Identify QuickTime features related to on-demand streaming media.
- Detail the benefits of on-demand streaming.
- Recognize the protocols used for real-time streaming.
- Describe how to configure QTSS to host on-demand media streams.
- Describe the file formats and compression methods used for on-demand streaming media.
- Describe how to:
 - Create reference movies to optimize network bandwidth usage.
 - Add hint tracks to media files to prepare them for streaming.
 - Edit video files for on-demand streaming.
- Describe the different methods for accessing media from QuickTime Streaming Server.
- Identify the key considerations for hosting internet media.
- Outline the playlisting features of QuickTime Streaming Server.
- Describe how to:
 - Create a playlist of media files using QuickTime Streaming Server Publisher.
 - Access a streaming playlist from QuickTime Player.
 - Calculate network bit-rate requirements for on-demand media.
- Describe the file system and network factors of network bandwidth bit-rate calculations.
- Describe network infrastructure issues associated with streaming on-demand media.
- Describe security issues associated with streaming on-demand media.
- Describe how to configure QuickTime Streaming Server to use port 80.
- Describe how to configure QuickTime Streaming Server for content protection.

Podcast Content Preparation

This topic has 7 items, drawn randomly from the following objectives:

- Describe audio and video podcasts and how they differ from traditional downloaded media files.
- Outline how to create podcasts, including appropriate file format and compression considerations.
- List tools available for creating podcasts, including editing and compressing tools.
- List different ways podcasts can be viewed.
- Contrast enhanced and unenhanced podcasts.
- List Apple software for creating enhanced podcasts.
- Describe how to use GarageBand to create an enhanced audio podcast.
- Describe how to use iMovie to create an enhanced video podcast.

Podcast Distribution

This topic has 15 items, drawn randomly from the following objectives:

- Describe the difference between hosting podcasts via the Mac OS X Server Web server (Apache) and the Mac OS X Server weblog server (blojsom).
- Describe the RSS feed file that is used when hosting podcast media files.
- Describe how to:
 - Configure weblog services on Mac OS X Server for hosting podcasts.
 - Configure Web services on Mac OS X Server for hosting podcasts, including customizing HTML files as appropriate.
 - Create HREF links to podcasts.

To Register

You are required to have an Apple Tech ID number before registering for an exam. You can apply for a Tech ID by following the instructions at certifications.apple.com. Then, to register for an exam, call Prometric toll-free at 888-APL-EXAM (888-275-3926) or register online at 2test.com.

To register for an Apple Training course, please visit www.apple.com/training or call 800-848-6398 in the US or Canada. To schedule an onsite course at your organization's location, please call 800-848-6398 or email abouttraining@apple.com.

For More Information

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