



hp services

education

course description

## AdvFS internals and troubleshooting u3704s

### course overview

This 2 day course focuses on the internals of the Advanced File System (AdvFS). It also presents practical troubleshooting training on AdvFS.

### audience

This course is designed for system administrators and support engineers who service or support AdvFS configurations.

### pre-requisites

To get the most from this course, you should be able to:

- Install and manage an hp Tru64 UNIX system
- Install layered products and register license PAKs
- Troubleshoot the operating system and make adjustments to improve performance
- Manage traditional UNIX disk partitions
- Perform typical UNIX system management tasks
- Use the hp Tru64 UNIX kernel configuration tools
- Set up and manage AdvFS using the command line or graphical user interface

### course objectives

Upon successful completion of this course, you should be able to:

- Describe AdvFS internals (architecture, on-disk structures, in-memory structures, algorithms, functions and commands)
- Isolate and troubleshoot AdvFS problems

### to order

You can order this course online at <http://education.hp.com>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

## detailed course outline: AdvFS internals and troubleshooting u3704s

module	key topics
advanced file system concepts	<ul style="list-style-type: none"><li>• introducing AdvFS</li><li>• using extent-based storage</li><li>• logging</li><li>• cloning</li><li>• striping</li><li>• using trashcans</li><li>• reviewing AdvFS commands</li><li>• examining AdvFS architecture and components</li></ul>
AdvFS on-disk structures	<ul style="list-style-type: none"><li>• introducing AdvFS on-disk structures</li><li>• describing BAS on-disk metadata bitfiles</li><li>• using extent maps</li><li>• using tags</li><li>• assigning fragments</li><li>• defining the storage bitmap bitfile and miscellaneous bitfile</li></ul>
AdvFS in-memory structures	<ul style="list-style-type: none"><li>• examining AdvFS in-memory structures</li><li>• checking the VFS layer</li><li>• explaining the FAS layer</li><li>• locating the BAS layer</li><li>• defining other in-memory structures</li></ul>
AdvFS system calls and kernel interfaces	<ul style="list-style-type: none"><li>• describing entries to AdvFS</li><li>• starting up and recovering in AdvFS</li><li>• providing storage management</li><li>• cloning</li><li>• migrating files and deleting files</li><li>• documenting threads</li></ul>
troubleshooting AdvFS	<ul style="list-style-type: none"><li>• describing AdvFS troubleshooting practices</li><li>• troubleshooting file system corruption</li><li>• resolving known AdvFS issues</li><li>• performing case studies</li></ul>

### for more information

For more information on HP Education Services, contact any of our worldwide offices or visit our worldwide web site on the internet at <http://education.hp.com>

Technical information in this document is subject to change without notice.

Microsoft®, Windows®, MS Windows®, and Windows NT® are U.S. registered trademarks of Microsoft Corporation. UNIX® is a registered trademark of the Open Group.

©Copyright Hewlett-Packard Company 2000. All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited except as allowed under the copyright laws.

7/02 rev. a U3704

