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hp Tru64 UNIX v5.1 internals overview u3701s

course overview

This 5 day course provides an overview of the hp Tru64 UNIX Version 5.1A operating system's internal features and their operation. This course describes the data structures, their relationships and the major algorithms used to manage:

- Alpha Architecture
- Processes
- System Calls
- Interrupts and Exceptions
- Virtual Memory
- File Systems (UFS)

audience

System programmers, support personnel and others who want to understand the implementation of the hp Tru64 UNIX operating system.

benefits to you

This course describes the internal features and data structures of the operating system.

pre-requisites

To get the most from this course, you should have:

- A minimum of one year of programming experience (C is preferred)
- A familiarity with UNIX commands and utilities
- General operating system concepts
- Computer architecture concepts, such as Alpha architecture

course objectives

Upon successful completion of this course, you should be able to describe the way the following components are implemented:

- Memory and process management
- System calls
- Interrupts and exceptions
- Virtual memory management
- File Systems (UFS, AdvFS)

next steps

- AdvFS Internals and Troubleshooting U3704
- LSM Internals and Troubleshooting U3705

to order

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detailed course outline: hp Tru64 UNIX v5.1 internals overview u3701s

module	key topics
computer architecture and Alpha	
memory architecture	
process management abstractions	
process management structures	
process management states	
system calls	
hardware interrupts	
software interrupts	
exceptions	
signals	
program image	
process life cycle	
representing a process' address space	
managing available memory	
file layer and the virtual file system (VFS)	
buffer caches	
UNIX file system (UFS)	
Advanced file system (AdvFS)	
I/O framework	

for more information

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