



hp services

education

course description

hp Tru64 UNIX v5 performance management u3698s

course overview

This 5 day course is designed for individuals with experience managing a hp Tru64 UNIX operating system, who are interested in maximizing the performance on their systems. Course topics include factors that affect system performance, monitoring and identifying system bottlenecks, and system tuning. Examples are based on hp Tru64 UNIX v5.1A.

audience

This course is intended for individuals with experience managing an hp Tru64 UNIX operating system, who are interested in the advanced topics of performance tuning. This includes service engineers, customers, and hp's business partners.

benefits to you

This course will show the student how to use multiple interfaces, and introduces various hp Tru64 UNIX commands used to monitor system performance. The course includes tuning lab activities and will aid in preparation for the hp Tru64 UNIX v5 advanced administration, support, and performance certification exam.

pre-requisites

Students should be able to manage files, monitor and manage user processes, write and debug simple shell programs and customize the system configuration file and build a new kernel in an hp Tru64 UNIX system.

course objectives

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

- Identify the factors that affect system performance
- Use various system tools to monitor system performance
- Identify system bottlenecks
- Tune the disk partitions and file systems
- Tune process control and the memory subsystem

next steps

- hp Tru64 UNIX Performance for GS Series Systems u3703

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.

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detailed course outline: hp Tru64 UNIX v5 performance management u3698s

module	key topics
hp Tru64 UNIX features and subsystems overview	<ul style="list-style-type: none">• hardware components• hp Tru64 UNIX features• UNIX layers• privileged architecture library• subsystems
performance introduction	<ul style="list-style-type: none">• factors affecting performance• tuning methodology• monitoring tools• basic performance tips to the system manager• changing system parameters
identifying and modifying performance problems	<ul style="list-style-type: none">• finding the performance problem• balanced system guidelines• identifying bottlenecks on an hp Tru64 UNIX system• accessing and modifying kernel subsystems• improving system performance• solving common performance problems• obtaining information about system events
virtual memory concepts	<ul style="list-style-type: none">• hp Tru64 UNIX memory management• virtual memory• swap space• memory management• unified buffer cache• virtual memory lists• swapping I/O
virtual memory tuning	<ul style="list-style-type: none">• UBC/VM interaction• swap suggestions• memory resource tuning• paging and swapping
I/O concepts	<ul style="list-style-type: none">• I/O components• I/O bottlenecks• memory vs. disk storage• I/O sequence• comparing I/O devices• file subsystem
I/O tuning	<ul style="list-style-type: none">• I/O subsystem tuning• cache tuning• LSM tuning• AdvFS tuning• UFS tuning
process concepts	<ul style="list-style-type: none">• process concepts• process scheduling• process creation• applications• CPU concepts
process tuning	<ul style="list-style-type: none">• process performance
network concepts	<ul style="list-style-type: none">• hp Tru64 UNIX networking• TCP/IP concepts• TCP/IP implementation• monitoring the network• internet considerations
network tuning	<ul style="list-style-type: none">• network components• network bottlenecks• tuning recommendations

detailed course outline: hp Tru64 UNIX v5 performance management u3698s

applied performance tuning

- hp Tru64 UNIX performance highlights
- configuration and tuning examples

sys_check and collect utilities

DCPI

AlphaServer performance

overview

enterprise capacity and
performance (ECP)/PAWZ

PM command scripts

ShareExpress from ARMTech

for more information

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