

1. Record Nr.	UNINA9910824524003321
Autore	Dasgupta Tim
Titolo	IBM eserver certification study guide AIX 5L problem determination tools and techniques // [Tim Dasgupta, Stephen Sommer]
Pubbl/distr/stampa	[Austin, Tex.], : IBM International Technical Support Organization, 2003
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (384 p.)
Collana	IBM redbooks
Altri autori (Persone)	SommerStephen
Disciplina	004.6/076
Soggetti	Electronic data processing personnel - Certification Operating systems (Computers) - Examinations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"January 2003." "SG24-6185-01."
Nota di contenuto	Front cover -- Contents -- Figures -- Tables -- Notices -- Trademarks -- Preface -- The team that wrote this redbook -- Become a published author -- Comments welcome -- Chapter 1. Certification overview -- 1.1 Certification requirements -- 1.1.1 Required prerequisite -- 1.1.2 Recommended prerequisite -- 1.1.3 Information and registration for the certification exam -- 1.1.4 Core requirements -- 1.2 Certification education courses -- Chapter 2. Customer relations -- 2.1 Defining the problem -- 2.2 Collecting information from the user -- 2.3 Collecting information about the system -- 2.4 Quiz -- 2.4.1 Answers -- Chapter 3. Booting problem determination -- 3.1 A general overview of the boot process -- 3.2 BIST - POST -- 3.2.1 MCA systems -- 3.2.2 PCI systems -- 3.3 Boot phase 1 -- 3.4 Boot phase 2 -- 3.4.1 LED 551, 555, or 557 -- 3.4.2 LED 552, 554, or 556 -- 3.4.3 LED 518 -- 3.4.4 The alog command -- 3.5 Boot phase 3 -- 3.5.1 The /etc/inittab file -- 3.5.2 LED 553 -- 3.5.3 LED c31 -- 3.5.4 LED 581 -- 3.5.5 pSeries servers -- 3.6 Boot-related information in the error log -- 3.7 Boot summary -- 3.8 Command summary -- 3.8.1 The errpt command -- 3.8.2 The w command -- 3.9 Quiz -- 3.9.1 Answers -- 3.10 Exercises -- Chapter 4. Hardware problem determination -- 4.1 Hardware basics -- 4.1.1 Hardware inventory -- 4.2 Running diagnostics -- 4.2.1 Concurrent mode -- 4.2.2 Stand-alone diagnostics from disk - service mode -- 4.2.3 Stand-alone diagnostics from CD-ROM -- 4.2.4 Task

selection or service aids -- 4.3 Serial Storage Architecture disks -- 4.3.1 General SSA setup rules -- 4.3.2 SSA devices -- 4.3.3 SSA disk considerations -- 4.3.4 Three-digit display values -- 4.3.5 Common boot time LEDs -- 4.3.6 888 in the three-digit display -- 4.4 Command summary -- 4.4.1 The chdev command -- 4.4.2 The lsattr command -- 4.5 Quiz -- 4.5.1 Answers -- 4.6 Exercises.

Chapter 5. System dumps -- 5.1 Configuring the dump device -- 5.2 Starting a system dump -- 5.2.1 Using the command line -- 5.2.2 Using the SMIT interface -- 5.2.3 Using the Reset button -- 5.2.4 Using special key sequences -- 5.2.5 System Hang Detection -- 5.3 System dump status check -- 5.3.1 Status codes -- 5.4 Increasing the size of the dump device -- 5.5 Configuring remote dump devices -- 5.6 Copying a system dump -- 5.7 Reading dumps -- 5.8 Core dumps -- 5.8.1 Checking for core dump -- 5.8.2 Locating a core dump -- 5.8.3 Determining the program that caused the core dump -- 5.9 Command summary -- 5.9.1 The crash command -- 5.9.2 Types of crashes -- 5.9.3 The snap command -- 5.9.4 The strings command -- 5.9.5 The sysdumpdev command -- 5.9.6 The sysdumpstart command -- 5.10 Quiz -- 5.10.1 Answers -- 5.11 Exercises -- Chapter 6. Error reports -- 6.1 The error daemon -- 6.2 The errdemon command -- 6.3 The errpt command -- 6.3.1 Error classes -- 6.4 The errclear command -- 6.5 Accounting -- 6.5.1 Setting up an accounting system -- 6.5.2 Setting up disk-usage accounting -- 6.6 The syslogd daemon -- 6.7 Quiz -- 6.7.1 Answers -- 6.8 Exercises -- Chapter 7. LVM, file system, and disk problem determination -- 7.1 LVM data -- 7.1.1 Physical volumes -- 7.1.2 Volume groups -- 7.1.3 Logical volumes -- 7.1.4 Object Data Manager (ODM) -- 7.2 LVM problem determination -- 7.2.1 Data relocation -- 7.2.2 Backup data -- 7.2.3 ODM resynchronization -- 7.2.4 Understanding importvg problems -- 7.2.5 Extending the number of max physical partitions -- 7.3 Disk replacement -- 7.3.1 Replacing a disk -- 7.3.2 Recovering an incorrectly removed disk -- 7.4 The AIX JFS -- 7.4.1 Creating a JFS -- 7.4.2 Increasing the file system size -- 7.4.3 File system verification and recovery -- 7.4.4 Sparse file allocation -- 7.4.5 Unmount problems -- 7.4.6 Removing file systems. 7.4.7 Different output from du and df commands -- 7.4.8 Enhanced journaled file system -- 7.4.9 The /proc file system -- 7.4.10 Disk quota -- 7.5 Paging space -- 7.5.1 Recommendations for creating or enlarging paging space -- 7.5.2 Determining if more paging space is needed -- 7.5.3 Reducing and removing paging space -- 7.6 Command summary -- 7.6.1 The lsvg command -- 7.6.2 The chvg command -- 7.6.3 The importvg command -- 7.6.4 The rmlvcopy command -- 7.6.5 The reducevg command -- 7.6.6 The rmdev command -- 7.6.7 The syncvg command -- 7.7 Quiz -- 7.7.1 Answers -- 7.8 Exercises -- Chapter 8. Network problem determination -- 8.1 Network interface problems -- 8.2 Routing problems -- 8.2.1 Dynamic or static routing -- 8.3 Name resolution problems -- 8.3.1 The tcpdump and iptrace commands -- 8.4 NFS troubleshooting -- 8.4.1 General steps for NFS problem solving -- 8.4.2 NFS mount problems -- 8.4.3 Increasing NFS Socket Buffer Size -- 8.4.4 The biod and nfsd daemons -- 8.5 Command summary -- 8.5.1 The chdev command -- 8.5.2 The exportfs command -- 8.5.3 The ifconfig command -- 8.5.4 The iptrace command -- 8.5.5 The lsattr command -- 8.5.6 The netstat command -- 8.5.7 The route command -- 8.5.8 The tcpdump command -- 8.6 Quiz -- 8.6.1 Answers -- 8.7 Exercises -- Chapter 9. System access and printer problem determination -- 9.1 User license problems -- 9.2 Telnet troubleshooting -- 9.2.1 Network problems -- 9.2.2 The telnet subserver -- 9.2.3 Slow telnet login -- 9.2.4 Telnet

error -- 9.3 FTP troubleshooting -- 9.3.1 File limits -- 9.4 System settings -- 9.4.1 Adjusting AIX kernel parameters -- 9.4.2 The su command -- 9.4.3 A full file system -- 9.5 Tracing -- 9.5.1 Trace hook IDs -- 9.5.2 Starting a trace -- 9.5.3 Trace reports -- 9.5.4 Tracing example -- 9.6 Managing mail logging -- 9.7 TTY troubleshooting -- 9.7.1 Respawnng too rapidly errors.
9.8 Printing -- 9.8.1 Local printing problem -- 9.8.2 Remote printing problem -- 9.8.3 The /var file system -- 9.8.4 Default printing subsystem -- 9.9 Command summary -- 9.9.1 The lslicense command -- 9.9.2 The lssrc command -- 9.9.3 The startsrc command -- 9.9.4 The trace command -- 9.9.5 The trcrpt command -- 9.10 Quiz -- 9.10.1 Answers -- 9.11 Exercises -- Chapter 10. Performance problem determination -- 10.1 CPU-bound system -- 10.1.1 The sar command -- 10.1.2 The vmstat command -- 10.1.3 The ps command -- 10.1.4 The tprof command -- 10.2 Memory-bound system -- 10.2.1 The vmstat command -- 10.2.2 The ps command -- 10.2.3 The svmon command -- 10.2.4 The schedtune command -- 10.3 Disk I/O bound system -- 10.3.1 The iostat command -- 10.3.2 The filemon command -- 10.3.3 The fileplace command -- 10.3.4 The sar command -- 10.4 Network I/O bound system -- 10.4.1 The netstat command -- 10.4.2 The nfsstat command -- 10.4.3 The netpmon command -- 10.5 Workload Manager (WLM) -- 10.5.1 WLM concepts and architecture -- 10.5.2 Automatic assignment -- 10.5.3 Manual assignment -- 10.5.4 Backward compatibility -- 10.5.5 Resource sets -- 10.5.6 rset registry -- 10.6 System debuggers -- 10.6.1 The dbx command -- 10.6.2 The kdb command -- 10.7 Summary -- 10.8 Command summary -- 10.8.1 The sar command -- 10.8.2 The ps command -- 10.8.3 The netstat command -- 10.8.4 The nfsstat command -- 10.9 Quiz -- 10.9.1 Answers -- Chapter 11. Software updates -- 11.1 Overview -- 11.1.1 Terminology -- 11.1.2 Software layout -- 11.1.3 Software states -- 11.2 Installing a software patch -- 11.2.1 Software patch installation procedure -- 11.3 Software inventory -- 11.4 Command summary -- 11.4.1 The lspp command -- 11.4.2 The installp command -- 11.4.3 The instfix command -- 11.4.4 The lppchk command -- 11.5 Quiz -- 11.5.1 Answers -- 11.6 Exercises.
Chapter 12. Online documentation -- 12.1 Installing the Web browser -- 12.2 Installing the Web server -- 12.3 Installing the Documentation Library Service -- 12.4 Configuring the Documentation Library Service -- 12.5 Installing online manuals -- 12.6 Invoking the Documentation Library Service -- 12.7 Exercises -- Abbreviations and acronyms -- Related publications -- IBM Redbooks -- Other resources -- Referenced Web sites -- How to get IBM Redbooks -- IBM Redbooks collections -- Index -- Back cover.
