

Errata*
OPERATING SYSTEM CONCEPTS, FIFTH EDITION
Silberschatz and Galvin
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Corrected in 2nd Printing:

page ix (Preface), Second to the last line: which which \Rightarrow which

page 119, section 4.7, third line: *halted* \Rightarrow *terminated*

page 171, remove second line from bottom: (i.e., “*S3: binary-semaphore;*”)

page 172, line 1: $S1 = S3 = 1 \Rightarrow S1 = 1$

page 172, remove fifth line: (i.e., “*wait (S3)*”)

page 172, line 13: *else signal (S1)* \Rightarrow *signal (S1)*

Page 172, remove 14th line: (i.e., “*signal (S3)*”)

page 172, line 20: *signal S1* \Rightarrow *else signal (S1)*;

page 172, remove lines 21, 22 (i.e., “The *S3* semaphore ... operation.”)

page 200, line 5 from the bottom: *ssystem* \Rightarrow *system*

page 224, line 7 from the bottom: *to to* \Rightarrow *to*

page 240 line 6 from bottom: *MS-DOS.COM* \Rightarrow *MS-DOS .COM*

page 258 line 2: *8192 bytes* \Rightarrow *16 megabytes*

page 285, Exercise 8.7: *pages* \Rightarrow *page*

page 407, line 11: *virtual-memory address translation* \Rightarrow *virtual- to physical memory address translation*

page 407, figure 12.5: *1. ... told to* \Rightarrow *... is told to.*

page 414, section 12.4, second paragraph: *buffering caching* \Rightarrow *buffering, caching*

page 414, line 3 from the bottom: *12.4.1 Scheduling* \Rightarrow *12.4.1 I/O Scheduling*

page 469, bibliographical notes, third line from bottom: *Mattson et al* \Rightarrow *Mattson et al [1970]*.

* Errors reported by: Angel Alvarez, Larry Anderson, Tom Doeppner, Jozo Dujmovic, M. Rasit Eskicioglu, Sid Fazel, Andrew Fraser, Sean Goldin, Robert Kerbs, Laura Koestinger, Tony Kusalik, Ajay Kshemkalyani, Roger Lignuaris, Pachinko Lin, Bob Mathis, Kathy Murphy, Paul E. Sevinç, Jonas Skeppstedt, Larry Tan, Donald Tanguay, Urs Thuermann, Travis Tull, and Betsy Zimmerman.

Errata - page 2

page 767, third paragraph, second line: consists of a 16-bit file number and a 48-bit sequence number. \Rightarrow consists of a 48-bit file number and a 16-bit sequence number.

Corrected in 3rd Printing:

page 7, line 12: 17 cards \Rightarrow 20 cards

page 99, line 21: Windows/NT \Rightarrow Windows NT

page 114, line 8: process of sending \Rightarrow process sending

page 141, line 7: scheduling \Rightarrow scheduling.

page 141, line 9: Any \Rightarrow any

page 141, line 10: 15 though 18 \Rightarrow 15 through 18

page 210, fifth paragraph, line 1: shonw \Rightarrow shown

page 249, line 25: Windows/NT \Rightarrow Windows NT

page 263, line 23: reference \Rightarrow reference.

page 299, line 6 from the bottom: page replacement is called \Rightarrow page replacement is called for, these pages can simply be overwritten (because they are never modified)

page 318, line 19 from bottom: (or priority) !! \Rightarrow (or priority)

page 347, second line from the bottom: $L + (N - 1) \Rightarrow L * (N - 1)$

page 353, line 14: and 1, is \Rightarrow and 1 is

page 355, line 11: Figure 10.10 \Rightarrow Figure 10.9

page 371, line 28: Windows/NT \Rightarrow Windows NT

page 372, line 6: Windows/NT \Rightarrow Windows NT

page 378, line 15: numberof \Rightarrow number of

page 395, line 8 from bottom: goals \Rightarrow goal

page 400, Figure 12.2: hexacimal \Rightarrow hexadecimal

page 419, line 8 from bottom: a a \Rightarrow a

page 419, Figure 12.9, twice: point to \Rightarrow pointer to

page 627, line 17 from bottom: They \Rightarrow The

page 628, line 15 from bottom: $f(secret, seed) \Rightarrow f(secret, seed)$.

Errata - page 3

page 736, line 14: Appletalk ⇒ AppleTalk

page 796, line 16: was retained. ⇒ were retained.

Corrected in the 4th Printing

page 32 line 16 from the bottom: control port ⇒ control bit

page 46, line 5 from the bottom: operations ⇒ instructions

page 70, figure 3.7: kernel interface to the kernel ⇒ kernel interface to the hardware

page 97, line 24: Operation ⇒ Operations

page 103, line 4 from the bottom: process ⇒ task

page 185, line 4 from the bottom: operation ⇒ operation

page 185, line 4 from the bottom: successfull ⇒ successful

page 188, line 6 from the bottom: within resource-allocation ⇒ within the resource-allocation

page 245, Section 8.2, third paragraph, last line: Section 2.4 ⇒ Section 2.5.3

page 268, line 7: segment ⇒ section

page 282, second paragraph, second line: The select register ⇒ The segment register

page 308, line 22: the page table for that page ⇒ The page table entry for that page

page 317, Section 9.7.1, second paragraph, line 6: taking pages ⇒ taking frames;
second paragraph line 7: taking pages ⇒ taking frames;
third paragraph, line 3: taking pages ⇒ taking frames

page 321, last paragraph before Section 9.7.3, line 3 from the bottom. the number of interrupts ⇒ the frequency of interrupts

page 328, three lines before Section 9.8.6: free page pool ⇒ free frame pool

page 331, second line of Exercise 9.5: empty page ⇒ empty frame

page 348, Section 10.2.3, first paragraph, line 4: find an entry ⇒ find a record;
first paragraph, line 5: desired entry ⇒ desired record;
second paragraph, line 2: Each entry ⇒ Each record;
second paragraph, line 3: 16 byte-entry ⇒ 16 byte-record;
second paragraph, line 4: 64 entries ⇒ 64 records; and 120,000 entries ⇒ 120,000 records;
second paragraph, line 9: desired entry ⇒ desired record

page 353, third paragraph, line 3: C:/bs userb/bs test ⇒ C:\userb\test

page 362, line 15: others ⇒ other

Errata - page 4

page 456, line 5, shop \Rightarrow spot

page 479, Section 15.3.4, line 5: site B \Rightarrow site to B

page 483, line 8 from the bottom: megabytes \Rightarrow megabits

page 484, Section 15.5, line 2: four \Rightarrow five

page 593, line 3: of D \Rightarrow of S_D

page 641, line 2 from the bottom: access permissions, a group security ID) \Rightarrow access permissions), a group security ID

page 650, line 6 from the bottom: Windows/NT \Rightarrow Windows NT

page 676, lines 22, 26 (twice), 28, 30: 232 \Rightarrow 2^{32}

page 697, line 5: Linus \Rightarrow Linux

page 699, line 25: kernels \Rightarrow kernel

page 718, line 17 from the bottom: allocatable \Rightarrow allocatable memory

page 727, line 16 from the bottom: Ext2fs \Rightarrow ext2fs

page 734, line 3 from the bottom: with \Rightarrow which

page 760, line 19: LPC it \Rightarrow LPC

page 770, Figure 23.8: LCNs 31-47 \Rightarrow LCNs 32-47

To be Corrected in the 5th Printing

p. 70, Figure 3.7: kernal \Rightarrow kernel

p. 100, third paragraph, last two sentences: Replace last two sentences with, If the parent terminates, however, all its children have assigned as their new parent the init process. Thus, the children still have a parent to collect their status and execution statistics.

p. 134, last line: 0 \Rightarrow 127

p. 135, first line: 127 \Rightarrow 0; second line 0 \Rightarrow 127; fourth line, 0 \Rightarrow 127 and 127 \Rightarrow 0

p. 276, second paragraph, last line: locations \Rightarrow location

p. 321 line 4, word 3: relocated \Rightarrow reallocated

p. 342, figure 10.1: in physical memory remove 6 & 1; replace 5 with 6; remove 4 & 2; add 1 to segment 8; add 5 to segment 9; add 4 to segment 11; add 2 to segment 12.

Errata - page 5

- p. 347, line 15, word 3: in-core \Rightarrow in memory; last paragraph, second line: L bytes \Rightarrow L bytes starting; within file.
 \Rightarrow (assuming first record is $N = 1$).
- p. 357, fourth line: The \Rightarrow If the; link and \Rightarrow line, then
- p. 423, first sentence: of file \Rightarrow of a file
- p. 419, line 1: f file \Rightarrow of a file
- p. 487, second bullet: Virtual circuit \Rightarrow Virtual routing
- p. 537, last paragraph, fifth line: *dir3* \Rightarrow *user*
- p. 608, section 19.4.1, line 4: where \Rightarrow with
- p. 611, line 5, word 3: keys \Rightarrow locks
- p. 627, line 14, first word: broached \Rightarrow breached
- p. 655, Figure 21.2: kernal \Rightarrow kernel
- p. 879, line 22: deadlocks an \Rightarrow deadlocks
- p. 885 line 7 from the bottom: circuit \Rightarrow routing