



Distributed Systems: Concepts and Design

Edition 3

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Addison-Wesley, ©Pearson Education 2001

Errata List

As with virtually all books, some bugs were discovered after printing. These errors will be corrected in subsequent printings (impressions). The corrections recorded to date are listed below.

Third impression

<i>Page</i>	<i>existing version</i>	<i>correction</i>	<i>date</i>					
93	Figure 3.15	Class E addresses need no have a 0 in the fifth binary digit. Delete the box containing a 0 in the row for Class E addresses and replace 27 by 28 in the arrow label. Class E (reserved): <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>1</td><td>1</td><td>1</td><td style="width: 100px;">unused</td></tr></table>	1	1	1	1	unused	15-03-02
1	1	1	1	unused				
94	line 5	replace “set to 1” by “set to 0”	26-02-03					
108	line 4	replace “model” by “modem”	20-2-03					
152	Figure 4.15	replace “//www.dcs.qmw.ac.uk/index.html” by “http://www.dcs.qmw.ac.uk/index.html”	2-3-02					
205	last line	replace “Exercise 5.13” by “Exercise 5.15”	27-11-01					
218	line 24	replace first two sentences of paragraph 4 by: “ <i>Migratory</i> load-sharing systems can shift load at any time, not just when a new process is created. They use a mechanism called <i>process migration</i> : the transfer of an executing process from one node to another.”	15-10-01					
274	line 5	replace “idempotent” by “self-inverse”	17-01-02					

326	Figure 8.9	replace <i>link(newdirfh, newname, dirfh, name) → status</i> Creates an entry <i>newname</i> in the directory <i>newdirfh</i> which refers to file <i>name</i> in the directory <i>dirfh</i> . with <i>link(newdirfh, newname, fh) → status</i> Creates an entry <i>newname</i> in the directory <i>newdirfh</i> which refers to the file or directory <i>fh</i> .	02-04-03
328	lines 14-16	replace The file handle returned in the previous step is used as a parameter in the next <i>lookup</i> step; the file system identifier in the file handle is first compared with the entries in the remote mount table held in the client to see whether another remote-mounted file store should be accessed. with The file handle returned in the previous step is used as a parameter in the next lookup step. Since file handles are opaque to NFS client code, the virtual file system is responsible for resolving file handles to a local or a remote directory and performing the necessary indirection when it references a local mount point.	09-04-03
330	line -8	insert at start of paragraph There is one value of Tm_{server} for all the data blocks in a file and another for the file attributes.	09-04-03
341	line 9	replace “For each file with a valid token, Venus must send a cache validation request ...” by “Before the first use of each cached file or directory after a restart, Venus therefore generates a cache validation request ... “	8-11-01
366	line 10	replace “IP” by “IN”	19-4-01
387	line 16	replace “17” by “16”	8-11-01
446	Figure 11.14	replace <i>On B-deliver(<"order", i, S>) with $g = group(m)$ wait until $\langle m, i \rangle$ in hold-back queue and $S = r_g + 1$; TO-deliver m; // (after deleting it from the hold-back queue) $r_g = S$;</i> by <i>On B-deliver($m_{order} = \langle "order", i, S \rangle$) with $g = group(m_{order})$ wait until $\langle m, i \rangle$ in hold-back queue and $S = r_g$; TO-deliver m; // (after deleting it from the hold-back queue) $r_g = S + 1$</i>	20-03-01
449	Figure 11.16	replace “ <i>On B-deliver(<$V_j^g, m \rangle$) from p_j, with $g = group(m)$” by “<i>On B-deliver(<$V_j^g, m \rangle$) from p_j ($j \neq i$), with $g = group(m)$”</i></i>	10-04-03

454	line -10	Insert "For the case where a majority of processes are correct," before "we construct a solution to C from IC...".	23-07-02
455	line 4	Insert "In systems with crash failures," before beginning of paragraph "Solving consensus is equivalent...".	23-07-02
457	line 3	replace "Figure 11.18" by "Figure 11.19"	27-10-02
482	line 9	replace "Transfer \$100 from A to B" by "Transfer \$100 from B to A"	16-8-02
498	line 22	replace " T_v " by " T_j "	12-11-01
562	lines -5 to -11	replace paragraphs on Agreement and Integrity with: <i>Agreement:</i> Correct processes deliver the same sequence of views (starting from the view in which they join the group), and the same set of messages in any given view. That is, if a correct process delivers message m in view $v(g)$, then all other correct processes that deliver m also do so in the view $v(g)$. <i>Integrity:</i> If a correct process p delivers message m , then it will not deliver m again. Furthermore, $p \in group(m)$ and the process that sent m is in the view in which p delivers m .	26-2-03
670	line -3	replace "Seetharamanan" by "Seetharaman"	19-7-02
673	Section 17.2.1	This example is described for Java 2 version 1.3 or earlier. See 'Java CORBA with Java 2 version 1.4' under 'Additional Material' on www.cdk3.net . (under Supplementary Material for Chapter 17.)	2-4-03
714	line 14	insert the following: "a 'copy-inherited' region is one that is" after "copied:"	6-9-01
751	fifth reference	replace "Seetharamanan" by "Seetharaman" (twice)	19-7-02

Most recently reported error 14 April 2003 ©George Coulouris, Jean Dollimore and Tim Kindberg 2000