

LABEL 000000000PRINTER0017510100 EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/LOGOUTR;END+

OBJECT /READ

SYMBOL/LOGOUTR

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COMMENT: * TITLE: B5500/B5700 MARK XIV SYSTEM RELEASE * 00000100
* FILE ID: SYMBOL/LOGOUTR TAPE ID: SYMBOL2/FILE000 * 00000101
* THIS MATERIAL IS PROPRIETARY TO BURROUGHS CORPORATION * 00000102
* AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED * 00000103
* EXCEPT IN ACCORDANCE WITH PROGRAM LICENSE OR UPON * 00000104
* WRITTEN AUTHORIZATION OF THE PATENT DIVISION OF * 00000105
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* * 00000107
* COPYRIGHT (C) 1972 BURROUGHS CORPORATION * 00000108
* AA386657 *; 00000109
BEGIN 00001000
COMMENT REMOTE LOG ANALYSIS PROGRAM FOR THE DATA COMMUNICATION MCP;00002000
LABEL JOBSTATS,NOJOB; 00003000
FILE IN DISLOG DISK SERIAL (2,5,30); 00004000
FILE PRINTER 1( 5,15); 00005000
FILE LGNOUT DISK RANDOM [1:1000] (2,5,30); 00006000
FILE CCFILE DISK RANDOM [1:1000] (2,10,30); 00007000
FILE STATFILE DISK RANDOM [3:1000](2,10,30); 00008000
FILE JSTATFILE DISK SERIAL [3:1000] (2,10,30); 00009000
FILE LOGCARD 0(1,10); 00009500
REAL ARRAY LGNOUTREC[0:999],CCRJNDIC[0:999],RUNARRAY[0:5,0:1999],
NRQW[0:5],A[0:9],B[0:15],LOG[0:1]; 00011000
REAL NAME11,NAME12,NAME21,NAME22,USERID1,USERID2,II 00012000
,STARTDATE,STOPDATE,PROCTIME,IDLETIME,IDLETIME,TU,BL,ELAPSDTIME,
TOTALPROC,TOTALIDLE,TOTALIO,RUNUM,I,J,K,L,M,MM,N,RECOUNT,TEMP,
LGCNT,CCCNT; 00013000
INTEGER AH,AM,AS,CH,DM,DS; 00014000
BOOLEAN FOUNDACARD; 00015000
FORMAT BADREC (" **BAD RECORD**" 00016000
), 00017000
CCNQ(X10,"RUN NO. = ",I8,X2,"STA = ",I2,"/",I2,".",X77), 00018000
HOOZCC(X5,"REMOTE LOG CONTAINS NO STATISTICS FOR CONTROL ", 00019000
"CARDS" /), 00020000
LOGNFO("REMOTE LOG CONTAINS",I5,X1,"RECORDS.",X2,"RECORD CAPACITY 00021000
IS",I5,X1,"RECORDS."), 00022000
EOJ("END OF JOB-REMOTE LOG ANALYZER"), 00023000
LOGN(X25,"STATION",X2,I2,"/",I2,X1,"LOGGED-IN AT",X1,I2,":",A2,":", 00024000
A2," ON ",A5,".",X5," USER ID ",A1,A6), 00025000
LOGOWT(X25,"STATION",X2,I2,"/",I2,X1,"LOGGED-OUT AT",X1,I2,":",A2, 00026000
",",A2," ON ",A5,".",X5,"USER ID ",A1,A6), 00027000
PAGEHDR(X10,2(X1,A1,A6),X5,"RUN NO. = ",I8//), 00028000
STAHDR(X20,"STA ",I2,"/",I2," ATTACHED BY ",X77), 00029000
STASUBHDR(X30,"ATTACHED AT ",I2,":",A2,":",A2," ON ",A5/X30, 00030000
"DETACHED AT ",I2,":",A2,":",A2," ON ",A5//), 00031000
JSTATS(X44,I2,"/",I2,X1,4(X1,F9,2),X3,A1,A6), 00032000
TOTALSTATS(X60,3(X2,"-----")/X54,"TOTALS",3F10,2), 00033000
JOBHDR(X40,"*****JOB STATISTICS*****"/X53,"ELAPSED",X5,"PROC",X6, 00034000
"IDLE",X7,"I/O",X4,"USER ID"/X55,"TIME",X6,"TIME",X6,"TIME",X6,00035000
"TIME"/X43,"STA NO."//); 00036000
STREAM PROCEDURE MOVEBTOA(B,A);%MOVE 40 CHARACTERS FROM B TO A 00037000
BEGIN 00038000
DI ← A ; 00039000
DI ← DI + 40; 00040000
SI ← B; 00041000
DS ← 5 WDS; 00042000
END MOVEBTOA; 00043000
STREAM PROCEDURE FILLWITHBLANKS(B); 00044000
BEGIN 00045000
DI←B; 00046000
DS←B LIT" "; 00047000

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SI+B;
DS+14 WDS;
END FILLWITHBLANKS;
1 STREAM PROCEDURE MOVEATOB(A,B);%AND LOOK FOR GROUP MARK
2 BEGIN
3 LABEL L;
4 SI+A; SI+SI+8;
5 DI+B; DI+DI+48;
6 2(36(IF SC="+" THEN DS+1 CHR ELSE JUMP OUT 2 TO L));L;
7 END MOVEATOB;
8 STREAM PROCEDURE BYDEFAULT(HOW);
9 BEGIN
10 DI+HOW;
11 DS+8 LIT " ";
12 SI+HOW;
13 DS+5 WDS;
14 DS+ 8 LIT "DEFAULT ";
15 END BYDEFAULT;
16 STREAM PROCEDURE BYOBJPROGRAM(HOW);
17 BEGIN
18 DI+ HOW;
19 DS+8 LIT " ";
20 SI+HOW;
21 DS+5 WDS;
22 DS+16 LIT "OBJECT PROGRAM ";
23 END BYOBJPROGRAM;
24 STREAM PROCEDURE BYWHCKNOWS(HOW);
25 BEGIN
26 DI+HOW;
27 DS+8 LIT " ";
28 SI+HOW;
29 DS+5 WDS;
30 DS+16 LIT "EXECUTE UR RUN ";
31 END BYWHCKNOWS;
32 STREAM PROCEDURE SCANFILE(LOG);
33 BEGIN REAL LOCAL2,LOCAL1;
34 SI+LOG; DI+LOC LOCAL1; DI+DI+1;
35 7(IF SC="/" THEN DS+LIT " " ELSE DS+CHR);
36 SI+SI+1; DI+DI+1; DS+7 CHR;
37 SI+LOC LOCAL1; DI+LOG;
38 DS+16 CHR;
39 END;
40 STREAM PROCEDURE CNVTDATE(BINDATE,BCDATE); VALUE BINDATE;
41 BEGIN%CONVERT BINARY DATE TO BCD
42 SI+LOC BINDATE;
43 DI+BCDATE; DS+3 LIT"000";
44 DS+5 DEC;
45 END CNVTDATE;
46 PROCEDURE WHOATTACHED(J); VALUE J; REAL J;
47 BEGIN
48 READ(CCFILE[J],10, LGNOUTREC[*]);
49 FILLWITHBLANKS(B);
50 MOVEATOB(LGNOUTREC,B);
51 END WHOATTACHED;
52 PROCEDURE WHYATTACHED(J); VALUE J; REAL J;
53 BEGIN
54 READ(CCFILE[J],10,A[*]);
55 FILLWITHBLANKS(B);
56 MOVEATOB(A,B);
57 WRITE(PRINTER(OBL),15,B[*]);

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END WHYATTACHED;                                00102000
PROCEDURE GETJOBSTATS(N,I);VALUE N,I; REAL N,I;  00103000
BEGIN                                             00104000
1 LABEL FOUND;                                  00105000
2 REAL J;                                        00106000
3 COMMENT STATION ATTACH AND DETACH RECORDS;    00107000
4 TU ← A[0],[9:4]; BU ← A[0],[14:4];           00108000
5 IF TU = 0 AND BU = 0 THEN                     00109000
6 BEGIN                                         00110000
7 BYDEFAULT(B); ;                              00111000
8 WRITE(PRINTER[NO],STAHDR,TU,BU);             00112000
9 WRITE(PRINTER[DBL],7,B[*]);                  00113000
10 END                                          00114000
11 ELSE IF RUNARAY[N,I],[2:1]=1 THEN%STATION ATTACHED BY EXECUTE OR RUN 00115000
12 BEGIN                                       00116000
13 FOR J ← 0 STEP 1 UNTIL CCNT DO              00117000
14 IF RUNARAY[N,I],[9:33] = CCRUND[J],[9:33] THEN 00118000
15 BEGIN                                       00119000
16 WHOATTACHED(J); CCRUND[J] ← 0;             00120000
17 WRITE(PRINTER[NO],STAHDR,TU,BU);           00121000
18 WRITE(PRINTER[DBL],15,B[*]);                00122000
19 GO FOUND;                                   00123000
20 END;                                        00124000
21 BYWHOKNOWS(B);                              00125000
22 WRITE(PRINTER[NO],STAHDR,TU,BU);           00126000
23 WRITE(PRINTER[DBL],8,B[*]);                 00127000
24 GO FOUND;                                   00128000
25 END                                          00129000
26 ELSE BEGIN                                  00130000
27 BYOBJPROGRAM(B);                            00131000
28 WRITE(PRINTER[NO],STAHDR,TU,BU);           00132000
29 WRITE(PRINTER[DBL],8,B[*]);                 00133000
30 END;                                        00134000
31 FOUND:                                       00135000
32 COMMENT TIME OF ATTACH;                      00136000
33 AS ← (AM ← A[8] DIV 60) MOD 60; %SECONDS    00137000
34                                             00138000
35 AM ← (AH ← AM DIV 60) MOD 60; %MINUTES      00139000
36 AH ← AH DIV 60; %HOURS                       00140000
37 COMMENT TIME OF DETACH;                      00141000
38 DS ← (DM ← A[9] DIV 60) MOD 60; % SECONDS   00142000
39 DM ← (DH ← DM DIV 60) MOD 60; %MINUTES      00143000
40 DH ← DH DIV 60; %HOURS                       00144000
41 PROCTIME ← A[4] /60;                          00145000
42 IDLETIME ← A[5]/60;                           00146000
43 IOTIME ← A[6]/60;                             00147000
44 ELAPSDTIME ← (A[9]-A[8])/60+(A[7],[27:21]-A[7],[3:21])*86400; 00148000
45 USERID1 ← A[1],[6:6]; USERID2 ← A[1],[12:36]; 00149000
46 CNVTDATE(AS,AS); CNVTDATE(AM,AM); CNVTDATE(A[7],[3:21],STARTDATE); 00150000
47 CNVTDATE(DS,DS); CNVTDATE(DM,DM); CNVTDATE(A[7],[27:21],STOPDATE); 00151000
48 WRITE(PRINTER[DBL],STASUBHDR,AH,AM,AS,STARTDATE,DH,DM,DS,STOPDATE); 00152000
49 COMMENT STATION STATISTICS FILE;             00153000
50 A[0] ← TU; A[1] ← BU;                         00154000
51 A[2] ← ELAPSDTIME;                             00155000
52 A[3] ← PROCTIME;                               00156000
53 A[4] ← IDLETIME;                              00157000
54 A[5] ← IOTIME;                                00158000
55 A[6] ← USERID1;                               00159000
56 A[7] ← USERID2;                              00160000
57 LGCNT ← LGCNT + 1;                           00161000

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WRITE(JSTATSFILE,10,A[*]);
END GETJOBSTATS;
PROCEDURE WRITEJOBSTATS;
1 BEGIN
2 LABEL EOF,START;
3 REAL I;
4 WRITE(PRINTER,PAGE); WRITE(PRINTER,JOBHDR);
5 REWIND(JSTATSFILE);
6 TOTALPROC + TOTALIO + TOTALIDLE + 0;
7 START;
8 FOR I + 0 STEP 1 UNTIL LGCNT DO
9 BEGIN
10 READ(JSTATSFILE,10,A[*]) [EOF];
11 WRITE(PRINTER[DBL],JSTATS,A[0],A[1],A[2],A[3],A[4],A[5],A[6],A[7]);
12 TOTALPROC+ TOTALPROC+A[3];
13 TOTALIDLE+TOTALIDLE+A[4];
14 TOTALIO+TOTALIO+A[5];
15 END;
16 EOF;
17 WRITE(PRINTER,TOTALSTATS,TOTALPROC,TOTALIDLE,TOTALIO);
18 REWIND(JSTATSFILE);
19 END WRITEJOBSTATS;
20 PROCEDURE WRITELOGNOUT(I); VALUE I; REAL I;
21 BEGIN
22 READ(LGNOUT[I],5,A[*]);
23 TU + A[0].[9:4]; BU+ A[0].[14:4];
24 AS + (AM + A[3] DIV 60) MOD 60;
25 AM + (AH + AM DIV 60) MOD 60;
26 AH + AH DIV 60;
27 CNVDATE(AS,AS); CNVDATE(AM,AM);
28 USERID1 + A[1].[6:6]; USERID2 + A[1].[12:36];
29 IF A[0].[42:6] = 2 THEN
30 WRITE(PRINTER[DBL],LOGN,TU,BU,AH,AM,AS,A[2],USERID1,USERID2)
31 ELSE
32 WRITE(PRINTER[DBL],LOGONT,TU,BU,AH,AM,AS,A[2],USERID1,USERID2);
33 END WRITELOGNOUT;
34 READ(LOGCARD,2,LOG[*]);
35 SCANFILE(LOG);
36 FILL DISLOG WITH LOG[0],LOG[1];
37 READ(DISLOG,5,A[*]); RECOUNT + A[0];
38 LGCNT + A[1];
39 WRITE(PRINTER,LOGNEU,RECOUNT,LGCNT);%NO OF REC & LOG SIZE
40 L+0; K+LGCNT+CCCNT+1; %INITIALIZE FILE POINTERS
41 FOR I+1 STEP 1 UNTIL RECOUNT DO
42 BEGIN
43 READ(DISLOG,5,A[*]);
44 IF TEMP+A[0].[42:6]>0 AND TEMP < 6 THEN
45 BEGIN
46 IF TEMP=5 OR TEMP=6 THEN
47 BEGIN
48 READ(DISLOG,5,B[*]);
49 I+I+1; %UPDATE RECORDS READ
50 K+K+1;
51 IF K<1000 THEN
52 BEGIN
53 NROW[L]+999; K+0; L+L+1;
54 END;
55 MOVEBTOA(B,A);
56 WRITE(STATSFILE[L*1000+K],10,A[*]);
57 RUNARAY[L,K] + A[0];

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      END
ELSE
      IF TEMP=4 THEN
1         BEGIN
2         CCCNT+CCCNT+1;%CC REQUIRED TWO RECORDS
3         I+I+1;%UPDATE COUNT OF RECORDS
4         READ(DISLOG,5,B[*]);
5         MOVEBTOA(B,A);
6         WRITE(CCFILE[CCCNT],10,A[*]); CCRUND[CCCNT]+
7         A[0];
8         END
9         ELSE IF TEMP=3 THEN%CC REQUIRED 1 RECORD
10        BEGIN
11        CCCNT+CCCNT+1;
12        WRITE(CCFILE[CCCNT],5,A[*]); CCRUND[CCCNT]+
13        A[0];
14        END
15        ELSE BEGIN %RECORD WAS EITHER A LOG-IN OR LOG-OUT
16        LGCNT+LGCNT+1;
17        WRITE(LGNOUT [LGCNT],5,A[*]);
18        LGNOUTREC[LGCNT] + A[0];
19        END ;
20        END
21        ELSE BEGIN
22        WRITE(PRINTER[NO],BADREC);%CANT IDENTIFY THIS RECORD
23        WRITE(PRINTER,5,A[*]);%SO WRITE IT ON THE PRINTER
24        END
25        END;
26        NROW[L] + K;
27        WRITE(PRINTER[PAGE]);
28        IF LGCNT ≠ -1 THEN
29        FOR I + 0 STEP 1 UNTIL LGCNT DO
30        IF LGNOUTREC[I] ≠ 0 THEN
31        BEGIN
32        WRITELOGNOUT(I);
33        FOR J + I+1 STEP 1 UNTIL LGCNT DO
34        BEGIN
35        IF LGNOUTREC[J] ≠ 0 THEN
36        IF LGNOUTREC[I].[9:9] = LGNOUTREC[J].[9:9] THEN
37        BEGIN
38        WRITELOGNOUT(J);
39        LGNOUTREC[J] + 0;
40        END
41        END
42        END;
43        JOBSTATS;
44        IF K ≠ -1 THEN
45        BEGIN
46        WRITE(PRINTER[PAGE]);
47        FOR M + 0 STEP 1 UNTIL L DO
48        FOR I + 0 STEP 1 UNTIL NROW[M] DO
49        IF RUNUM + RUNARAY[M,I].[18:24] ≠ 0 THEN
50        BEGIN
51        READ(STATSFILE[M*1000+I],10,A[*]);
52        WRITE(PRINTER[PAGE]); NAME11+A[2],[6:6];NAME12+A[ 2],[12:36];
53        NAME21+A[3],[6:6];NAME22+A[3],[12:36];
54        WRITE(PRINTER[DBL],PAGEHDR,NAME11,NAME12,NAME21,NAME22,RUNUM);
55        LGCNT + -1;
56        GETJOBSTATS(M,I);
57        FOR MM + M STEP 1 UNTIL L DO

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LABEL 000000000PRINTER0017510100 EX OBJECT/READ;FILE SOURCEFILE=SYMBOL/LOGOUTR;END+

OBJECT /READ

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