


```

CCCCCCCC VV VV TTTTTTTTTT UU UU AAAAAA FFFFFFFFFF
CCCCCCCC VV VV TTTTTTTTTT UU UU AAAAAA FFFFFFFFFF
CC VV VV TT UU AA AA FF
CC VV VV TT UU AA AA FF
CC VV VV TT UU AA AA FF
CC VV VV TT UU AA AA FFFFFFFF
CC VV VV TT UU AA AA FFFFFFFF
CC VV VV TT UU AA AA FF
CC VV VV TT UU AA AA FF
CC VV VV TT UU AA AA FF
CC VV VV TT UU AA AA FF
CCCCCCCC VV VV TT UU AA AA FF
CCCCCCCC VV VV TT UU AA AA FF

```

```

LL IIIIII SSSSSSSS
LL IIIIII SSSSSSSS
LL II SS
LL II SS
LL II SS
LL II SS
LL II SSSSSS
LL II SSSSSS
LL II SS
LL II SS
LL II SS
LL IIIIII SSSSSSSS
LL IIIIII SSSSSSSS

```

```

1 0001 0 MODULE CVTUAF ( %TITLE 'Convert Authorization File'
2 0002 0
3 0003 0     MAIN = MAIN,
4 0004 0     IDENT = 'V04-000'
5 0005 1 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1
32 0032 1 ++
33 0033 1 FACILITY:      Convert User Authorization File
34 0034 1
35 0035 1 ABSTRACT:      Converts a Release 3 compatible SYSUAF.DAT to Release 4 format.
36 0036 1 The new SYSUAF.DAT offsets are assumed. The old offsets have
37 0037 1 been renamed to OAF$etc...
38 0038 1
39 0039 1 ENVIRONMENT:   Release 3 to Release 4 conversion procedures
40 0040 1
41 0041 1 AUTHOR:       Chris Hume, CREATION DATE: 22-May-1979
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 V03-005 BLS0333      Benn Schreiber      19-JUL-1984
46 0046 1 If already in v4 format, just copy and upgrade selected
47 0047 1 quotas for all accounts (unless greater).
48 0048 1
49 0049 1 V03-004 BLS0284      Benn Schreiber      8-MAR-1984
50 0050 1 Add mulitple areas for better performance, set jtquota
51 0051 1 to 1024 if it comes up 0.
52 0052 1
53 0053 1 V03-003 ACG0388      Andrew C. Goldstein,  15-Jan-1984  18:29
54 0054 1 Make password date zero if password is null
55 0055 1
56 0056 1 V03-002 ACG0385      Andrew C. Goldstein,  11-Jan-1984  21:28
57 0057 1 Fix conversion of CLITABLES string; move OAFDEF to LIB$;

```

CVTUAF
V04-000

Convert Authorization File

C 15
16-Sep-1984 02:15:10
14-Sep-1984 13:21:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[UAF.SRC]CVTUAF.B32;1

CV1
V04

: 58
: 59
: 60
: 61
: 62
: 63

0058 1 |
0059 1 |
0060 1 |
0061 1 |
0062 1 |
0063 1 |--

last minute UAF changes
V03-001 ACG0385 Andrew C. Goldstein, 27-Dec-1983 17:30
Adapt for V3 to V4 conversion

```
65 0064 1 LIBRARY 'SYSSLIBRARY:LIB';
66 0065 1 REQUIRE 'LIBS:OAFDEF';
67 0185 1
68 0186 1 FORWARD ROUTINE
69 0187 1     ADJUST_RECORD_FIELDS : NOVALUE,
70 0188 1     COPY_ADJUST_SELECTED : NOVALUE;           !copy uaf, only adjust selected fields
71 0189 1
72 0190 1 MACRO
73 0191 1     RETURN_IF_ERROR[] =
74 0192 1     BEGIN
75 0193 1     LOCAL RMSERR;
76 0194 1     (IF NOT (RMSERR = %REMAINING) THEN RETURN .RMSERR)
77 0195 1     END
78 0196 1     %;
79 0197 1
80 0198 1 LITERAL
81 0199 1     TRUE = 1;
82 0200 1
83 0201 1 MACRO
84 0202 1     COPY_PADDED (NAME) =
85 0203 1     COPY_PADDED1 (%EXPLODE (NAME))
86 0204 1     %,
87 0205 1
88 0206 1     COPY_PADDED1 (C1, C2, C3, C4, C5) =
89 0207 1     COPY_PADDED2 (%STRING ('OAF$$', %REMAINING),
90 0208 1     %STRING ('OAF$', C5, %REMAINING),
91 0209 1     %STRING ('UAF$$', %REMAINING),
92 0210 1     %STRING ('UAF$', C5, %REMAINING))
93 0211 1     %,
94 0212 1
95 0213 1     COPY_PADDED2 (OLENGTH, ONAME, NLENGTH, NNAME) =
96 0214 1     CH$COPY (%NAME (OLENGTH), OAFBUF[%NAME (ONAME)]),
97 0215 1     %NAME (NLENGTH), UAFBUF[%NAME (NNAME)])
98 0216 1     %,
99 0217 1
100 0218 1
101 0219 1     COPY_COUNTED (NAME) =
102 0220 1     COPY_COUNTED1 (%EXPLODE (NAME))
103 0221 1     %,
104 0222 1
105 0223 1     COPY_COUNTED1 (C1, C2, C3, C4, C5) =
106 0224 1     COPY_COUNTED2 (%STRING ('OAF$$', %REMAINING),
107 0225 1     %STRING ('OAF$', C5, %REMAINING),
108 0226 1     %STRING ('UAF$$', %REMAINING),
109 0227 1     %STRING ('UAF$', C5, %REMAINING))
110 0228 1     %,
111 0229 1
112 0230 1     COPY_COUNTED2 (OLENGTH, ONAME, NLENGTH, NNAME) =
113 0231 1     CH$COPY (%VECTOR [OAFBUF[%NAME (ONAME)], 0;, BYTE]+1, OAFBUF[%NAME (ONAME)]),
114 0232 1     %NAME (NLENGTH), UAFBUF[%NAME (NNAME)])
115 0233 1     %,
116 0234 1
117 0235 1     PADDED_TO_COUNTED (NAME) =
118 0236 1     PADDED_TO_COUNTED1 (%EXPLODE (NAME))
119 0237 1     %,
120 0238 1
121 0239 1     PADDED_TO_COUNTED1 (C1, C2, C3, C4, C5) =
```

```

: 122      M 0240 1      PADDED_TO_COUNTED2 (%STRING ('OAF$$', %REMAINING),
: 123      M 0241 1      %STRING ('OAF$', C5, %REMAINING),
: 124      M 0242 1      %STRING ('UAF$$', %REMAINING),
: 125      M 0243 1      %STRING ('UAF$', C5, %REMAINING))
: 126      M 0244 1      %,
: 127      M 0245 1
: 128      M 0246 1      PADDED_TO_COUNTED2 (OLENGTH, ONAME, NLENGTH, NNAME) =
: 129      M 0247 1      BEGIN
: 130      M 0248 1      LOCAL COUNT, P : REF VECTOR [,BYTE];
: 131      M 0249 1      P = OAFBUF[%NAME (ONAME)] + %NAME (OLENGTH);
: 132      M 0250 1      UNTIL .P[-1] GTRU ' '
: 133      M 0251 1      OR .P LEQA OAFBUF[%NAME (ONAME)]
: 134      M 0252 1      DO P = .P - 1;
: 135      M 0253 1      COUNT = .P - OAFBUF[%NAME (ONAME)];
: 136      M 0254 1      VECTOR [UAFBUF[%NAME (NNAME)], 0; , BYTE] = .COUNT;
: 137      M 0255 1      CH$COPY (.COUNT, OAFBUF[%NAME (ONAME)],
: 138      M 0256 1      %NAME (NLENGTH)-1, UAFBUF[%NAME (NNAME)]+1)
: 139      M 0257 1
: 140      M 0258 1      END
: 141      M 0259 1      %:
: 142      M 0260 1
: 143      M 0261 1      EXTERNAL ROUTINE
: 144      M 0262 1      LIB$PUT_OUTPUT : ADDRESSING_MODE (GENERAL);
: 145      M 0263 1
: 146      M 0264 1      LITERAL
: 147      M 0265 2      PRIVSO = NOT (1^ %SBITPOSITION (PRV$V_GRPNAM)
: 148      M 0266 2      OR 1^ %SBITPOSITION (PRV$V_ALLSPOOL)
: 149      M 0267 2      OR 1^ %SBITPOSITION (PRV$V_NOACNT)
: 150      M 0268 2      OR 1^ %SBITPOSITION (PRV$V_PRCMB)
: 151      M 0269 2      OR 1^ %SBITPOSITION (PRV$V_PRCMBX)
: 152      M 0270 2      OR 1^ %SBITPOSITION (PRV$V_EXQUOTA)
: 153      M 0271 2      OR 1^ %SBITPOSITION (PRV$V_BUGCHK)
: 154      M 0272 2      OR 1^ %SBITPOSITION (PRV$V_PRCMBL)
: 155      M 0273 2      OR 1^ %SBITPOSITION (PRV$V_SHMEM)
: 156      M 0274 2      OR 1^ %SBITPOSITION (PRV$V_GROUP)
: 157      M 0275 2      OR 1^ %SBITPOSITION (PRV$V_TPCMBX)
: 158      M 0276 1      OR 1^ %SBITPOSITION (PRV$V_NETMBX));
: 159      M 0277 1      PRIVS1 = NOT (1^ %SBITPOSITION (PRV$V_GRPDRV));
: 160      M 0278 1      NEWPRIVO = - %FIELDMASK (PRV$V_SHARE);
: 161      M 0279 1      NEWPRIV1 = -1;
: 162      M 0280 1
: 163      M 0281 1      BIND
: 164      M 0282 1      DAY180 = UPLIT (-%X'D25B0000', NOT %X'8D71');
: 165      M 0283 1      DAY30 = UPLIT (-%X'F8648000', NOT %X'1792');
: 166      M 0284 1
: 167      M 0285 1      OWN
: 168      M 0286 1      UAFBUF: BLOCK [UAF$C_LENGTH, BYTE],
: 169      M 0287 1      OAFBUF: BLOCK [OAF$C_LENGTH, BYTE],
: 170      M 0288 1      OUTBUF: BLOCK [80, BYTE],
: 171      M 0289 1      OUTDSC: VECTOR [2] INITIAL (80, OUTBUF),
: 172      M 0290 1
: 173      P 0291 1      UAFKEY3: %XABKEY ( ! XAB for owner identifier key
: 174      P 0292 1      KREF = 3,
: 175      P 0293 1      POS0 = %BYTEOFFSET (UAF$Q_PARENT_ID),
: 176      P 0294 1      SIZ0 = UAF$S_PARENT_ID,
: 177      P 0295 1      DTP = BNB,
: 178      P 0296 1      FLG = (CHG, DUP, NUL),

```

```

179 P 0297 1      KNM = UPLIT BYTE ('Owner Identifier      '),
180 P 0298 1      IAN = 2,
181 P 0299 1      DAN = 2,
182 P 0300 1      LAN = 2,
183 P 0301 1      ),
184 P 0302 1
185 P 0303 1      UAFKEY2: $XABKEY (                ! XAB for extended identifier key
186 P 0304 1      KREF = 2,
187 P 0305 1      POSO = $BYTEOFFSET (UAFSL_UIC),
188 P 0306 1      SIZO = 8,
189 P 0307 1      DTP = BN8,
190 P 0308 1      FLG = (CHG, DUP),
191 P 0309 1      KNM = UPLIT BYTE ('Extended User Identifier      '),
192 P 0310 1      IAN = 2,
193 P 0311 1      DAN = 2,
194 P 0312 1      LAN = 2,
195 P 0313 1      NXT = UAFKEY3
196 P 0314 1      ),
197 P 0315 1
198 P 0316 1      UAFKEY1: $XABKEY (                ! XAB for UIC key
199 P 0317 1      KREF = 1,                ! alternate key
200 P 0318 1      POSO = $BYTEOFFSET (UAFSL_UIC),
201 P 0319 1      SIZO = 4,
202 P 0320 1      DTP = BN4,
203 P 0321 1      FLG = (CHG, DUP),
204 P 0322 1      KNM = UPLIT BYTE ('UIC
205 P 0323 1      IAN = 2,
206 P 0324 1      DAN = 2,
207 P 0325 1      LAN = 2,
208 P 0326 1      NXT = UAFKEY2
209 P 0327 1      ),
210 P 0328 1
211 P 0329 1      UAFKEY0: $XABKEY (                ! XAB for USERNAME key
212 P 0330 1      KREF = 0,                ! primary key
213 P 0331 1      POSO = $BYTEOFFSET (UAFST_USERNAME),
214 P 0332 1      SIZO = UAFSS_USERNAME,
215 P 0333 1      KNM = UPLIT BYTE ('Username
216 P 0334 1      DAN = 0,
217 P 0335 1      IAN = 1,
218 P 0336 1      LAN = 1,
219 P 0337 1      NXT = UAFKEY1
220 P 0338 1      ),
221 P 0339 1
222 P 0340 1
223 P 0341 1      UAFALL2 : $XABALL (
224 P 0342 1      AID = 2,
225 P 0343 1      AOP = CBT,
226 P 0344 1      ALQ = 12,
227 P 0345 1      BKZ = 3,
228 P 0346 1      DEQ = 18,
229 P 0347 1      NXT = UAFKEY0
230 P 0348 1      ),
231 P 0349 1
232 P 0350 1      UAFALL1: $XABALL (
233 P 0351 1      AID = 1,
234 P 0352 1      AOP = CBT,
235 P 0353 1      ALQ = 3,

```

```
.. 236 P 0354 1 BKZ = 3,  
.. 237 P 0355 1 DEQ = 3,  
.. 238 P 0356 1 NXT = UAFALL2  
.. 239 0357 1 ),  
.. 240 0358 1  
.. 241 P 0359 1 UAFALLO: $XABALL ( : XAB for UAF allocation  
.. 242 P 0360 1 AID = 0,  
.. 243 P 0361 1 AOP = CBT,  
.. 244 P 0362 1 ALQ = 16,  
.. 245 P 0363 1 BKZ = 3,  
.. 246 P 0364 1 DEQ = 12,  
.. 247 P 0365 1 NXT = UAFALL1  
.. 248 0366 1 ),  
.. 249 P 0367 1 UAFPRO: $XABPRO ( : XAB for file protection  
.. 250 P 0368 1 PRO = (RWE, RWE, RWE,). : deny world access  
.. 251 P 0369 1 NXT = UAFALLO  
.. 252 0370 1 ),  
.. 253 0371 1  
.. 254 P 0372 1 UAFFAB: $FAB ( : FAB for work file  
.. 255 P 0373 1 FAC = PUT, : access types  
.. 256 P 0374 1 FNM = 'NEWUAF', : temporary file name  
.. 257 P 0375 1 DNM = '.DAT',  
.. 258 P 0376 1 SHR = NIL,  
.. 259 P 0377 1 ORG = IDX, : indexed operations  
.. 260 P 0378 1 RFM = VAR,  
.. 261 P 0379 1 MRS = UAF$C LENGTH, : maximum record size  
.. 262 P 0380 1 XAB = UAFPRO : file protection XAB  
.. 263 0381 1 ),  
.. 264 0382 1  
.. 265 P 0383 1 UAFRAB: $RAB ( : RAB for temporary file  
.. 266 P 0384 1 RBF = UAFBUF,  
.. 267 P 0385 1 FAB = UAFFAB  
.. 268 0386 1 ),  
.. 269 0387 1  
.. 270 P 0388 1 OAFKEY2: $XABKEY ( : XAB to read old UAF key  
.. 271 P 0389 1 KREF = 2  
.. 272 0390 1 ),  
.. 273 0391 1  
.. 274 P 0392 1 OAFKEY1: $XABKEY ( : XAB to read old UAF key  
.. 275 P 0393 1 KREF = 1,  
.. 276 P 0394 1 NXT = OAFKEY2  
.. 277 0395 1 ),  
.. 278 0396 1  
.. 279 P 0397 1 OAFKEY0: $XABKEY ( : XAB to read old UAF key  
.. 280 P 0398 1 KREF = 0,  
.. 281 P 0399 1 NXT = OAFKEY1  
.. 282 0400 1 ),  
.. 283 0401 1  
.. 284 P 0402 1 OAFFAB: $FAB ( : FAB for old UAF file  
.. 285 P 0403 1 FAC = GET, : read only  
.. 286 P 0404 1 FNM = 'OLDUAF',  
.. 287 P 0405 1 DNM = '.DAT',  
.. 288 P 0406 1 XAB = OAFKEY0  
.. 289 0407 1 ),  
.. 290 0408 1  
.. 291 P 0409 1 OAFRAB: $RAB ( : RAB for old UAF  
.. 292 P 0410 1 RAC = SEQ,
```


CVTUAF
V04-000

Convert Authorization File

: 293
: 294
: 295
: 296
: 297

P	0411	1
P	0412	1
P	0413	1
P	0414	1
	0415	1

KRF = 0,
UBF = OAFBUF,
USZ = OAFSC LENGTH,
FAB = OAFFAB
);

H 15
16-Sep-1984 02:15:10
14-Sep-1984 13:21:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[UAF.SRC]CVTUAF.B32;1 Page 7
(2)

! key of reference

CV
VO

```
299 0416 1 ROUTINE MAIN =
300 0417 2 BEGIN
301 0418 2
302 0419 2 LOCAL
303 0420 2     RMSERR,
304 0421 2     LENGTH,
305 0422 2     NEW_FLAG,
306 0423 2     DATE           : VECTOR [2],
307 0424 2     USER_DATA      : REF VECTOR [,BYTE],
308 0425 2     USER_LENGTH;
309 0426 2
310 0427 2 $GETTIM (TIMADR = DATE);
311 0428 2
312 0429 2 ! Open the old UAF for input
313 0430 2
314 0431 2 RETURN_IF_ERROR ($OPEN (FAB = OAFFAB));
315 0432 2 RETURN_IF_ERROR ($CONNECT (RAB = OAFRAB));
316 0433 2
317 0434 2 ! Validate the keys of the UAF, checking if it is a new format,
318 0435 2 ! and then ' old format validity.
319 0436 2
320 0437 2 NEW_FLAG = 0;
321 0438 2 IF .OAFKEY0[XAB$W_POS0] EQL $BYTEOFFSET (UAF$T_USERNAME)
322 0439 2 AND .OAFKEY0[XAB$B_SIZE0] EQL UAF$S_USERNAME
323 0440 2 AND .OAFKEY1[XAB$W_POS0] EQL $BYTEOFFSET (UAF$L_UIC)
324 0441 2 AND .OAFKEY1[XAB$B_SIZE0] EQL 4
325 0442 2 AND .OAFKEY2[XAB$W_POS0] EQL $BYTEOFFSET (UAF$L_UIC)
326 0443 2 AND .OAFKEY2[XAB$B_SIZE0] EQL 8
327 0444 2 THEN
328 0445 2     BEGIN
329 0446 2     NEW_FLAG = 1;
330 0447 2     ! LIB$PUT_OUTPUT ($DESCRIPTOR ('UAF is already converted'));
331 0448 2     ! RETURN ST$M_INHIB_MSG;
332 0449 2     END
333 0450 2 ELSE
334 0451 2     BEGIN
335 0452 2     IF .OAFKEY0[XAB$W_POS0] NEQ $BYTEOFFSET (OAF$T_USERNAME)
336 0453 2     OR .OAFKEY0[XAB$B_SIZE0] NEQ OAF$S_USERNAME
337 0454 2     OR .OAFKEY1[XAB$W_POS0] NEQ $BYTEOFFSET (OAF$L_UIC)
338 0455 2     OR .OAFKEY1[XAB$B_SIZE0] NEQ 4
339 0456 2     OR .OAFKEY2[XAB$W_POS0] NEQ $BYTEOFFSET (OAF$W_MEM)
340 0457 2     OR .OAFKEY2[XAB$B_SIZE0] NEQ 2
341 0458 2     THEN
342 0459 2     BEGIN
343 0460 2     LIB$PUT_OUTPUT ($DESCRIPTOR ('UAF has invalid format'));
344 0461 2     RETURN ST$M_INHIB_MSG;
345 0462 2     END;
346 0463 2     END;
347 0464 2
348 0465 2 ! Create the new UAF.
349 0466 2
350 0467 2 IF .NEW_FLAG
351 0468 2 THEN
352 0469 2     UAFALLO[XAB$L_ALQ] = .OAFFAB[FAB$L_ALQ]
353 0470 2 ELSE
354 0471 2     UAFALLO[XAB$L_ALQ] = .OAFFAB[FAB$L_ALQ] / 2 + .OAFFAB[FAB$L_ALQ];
355 0472 2 RETURN_IF_ERROR ($CREATE (FAB = UAFFAB));
```

```
356 0473 RETURN_IF_ERROR ($CONNECT (RAB = UAFRAB));
357 0474
358 0475
359 0476
360 0477
361 0478
362 0479
363 0480
364 0481
365 0482
366 0483
367 0484
368 0485
369 0486
370 0487
371 0488
372 0489
373 0490
374 0491
375 0492
376 0493
377 0494
378 0495
379 0496
380 0497
381 0498
382 0499
383 0500
384 0501
385 0502
386 0503
387 0504
388 0505
389 0506
390 0507
391 0508
392 0509
393 0510
394 0511
395 0512
396 0513
397 0514
398 0515
399 0516
400 0517
401 0518
402 0519
403 0520
404 0521
405 0522
406 0523
407 0524
408 0525
409 0526
410 0527
411 0528
412 0529

RETURN_IF_ERROR ($CONNECT (RAB = UAFRAB));
:
: If uaf already in new format, simply copy and adjust the selected
: fields.
:
: IF .NEW_FLAG
: THEN
:   RETURN (COPY_ADJUST_SELECTED(); TRUE);
:
: Only do the upgrade if an old format uaf
:
: WHILE (RMSERR = $GET (RAB = OAFRAB))
: DO
:   BEGIN
:   CH$FILL (0, UAF$C_LENGTH, UAFBUF);
:   UAFBUF[UAF$B_RTYPE] = UAF$C_USER_ID;
:   UAFBUF[UAF$B_VERSION] = UAF$C_VERSION;
:
:   UAFBUF[UAF$B_ENCRYPT] = .OAFBUF[UAF$B_ENCRYPT];
:   UAFBUF[UAF$B_FLAGS] = .OAFBUF[UAF$B_FLAGS];
:   UAFBUF[UAF$B_MAXDETACH] = .OAFBUF[UAF$B_MAXDETACH];
:   UAFBUF[UAF$B_MAXACCTJOBS] = .OAFBUF[UAF$B_MAXGRPROC];
:   UAFBUF[UAF$B_MAXJOBS] = .OAFBUF[UAF$B_MAXPROC];
:   UAFBUF[UAF$B_LOCAL_ACCESS_P] = .OAFBUF[UAF$B_PDAYHOURS];
:   UAFBUF[UAF$B_LOCAL_ACCESS_S] = .OAFBUF[UAF$B_SDAYHOURS];
:   UAFBUF[UAF$B_DIALUP_ACCESS_P] = .OAFBUF[UAF$B_PDAYHOURS];
:   UAFBUF[UAF$B_DIALUP_ACCESS_S] = .OAFBUF[UAF$B_SDAYHOURS];
:   UAFBUF[UAF$B_REMOTE_ACCESS_P] = .OAFBUF[UAF$B_PDAYHOURS];
:   UAFBUF[UAF$B_REMOTE_ACCESS_S] = .OAFBUF[UAF$B_SDAYHOURS];
:   UAFBUF[UAF$B_BATCH_ACCESS_P] = .OAFBUF[UAF$B_PDAYHOURS];
:   UAFBUF[UAF$B_BATCH_ACCESS_S] = .OAFBUF[UAF$B_SDAYHOURS];
:   UAFBUF[UAF$B_NETWORK_ACCESS_P] = .OAFBUF[UAF$B_PDAYHOURS];
:   UAFBUF[UAF$B_NETWORK_ACCESS_S] = .OAFBUF[UAF$B_SDAYHOURS];
:   UAFBUF[UAF$B_PRI] = .OAFBUF[UAF$B_PRI];
:   UAFBUF[UAF$B_PRIMEDAYS] = .OAFBUF[UAF$B_PRIMEDAYS];
:   UAFBUF[UAF$B_QUEPRI] = .OAFBUF[UAF$B_QUEPRI];
:   UAFBUF[UAF$B_ASTLM] = .OAFBUF[UAF$B_ASTLM];
:   UAFBUF[UAF$B_BIOLM] = .OAFBUF[UAF$B_BIOLM];
:   UAFBUF[UAF$B_DFWSCNT] = .OAFBUF[UAF$B_DFWSCNT];
:   UAFBUF[UAF$B_DIOLM] = .OAFBUF[UAF$B_DIOLM];
:   UAFBUF[UAF$B_ENQLM] = .OAFBUF[UAF$B_ENQLM];
:   UAFBUF[UAF$B_FILLM] = .OAFBUF[UAF$B_FILLM];
:   UAFBUF[UAF$B_PRCNT] = .OAFBUF[UAF$B_PRCNT];
:   UAFBUF[UAF$B_SALT] = .OAFBUF[UAF$B_SALT];
:   UAFBUF[UAF$B_SHRFILLM] = .OAFBUF[UAF$B_SHRFILLM];
:   UAFBUF[UAF$B_TQCNT] = .OAFBUF[UAF$B_TQCNT];
:   UAFBUF[UAF$B_WSEXTENT] = .OAFBUF[UAF$B_WSEXTENT];
:   UAFBUF[UAF$B_WSQUOTA] = .OAFBUF[UAF$B_WSQUOTA];
:   UAFBUF[UAF$B_BYTLM] = .OAFBUF[UAF$B_BYTLM];
:   IF .UAFBUF[UAF$B_BYTLM] EQL 0
:   THEN
:     UAFBUF[UAF$B_BYTLM] = .OAFBUF[UAF$B_BYTLM];
:   UAFBUF[UAF$B_CPUTIM] = .OAFBUF[UAF$B_CPUTIM];
:   UAFBUF[UAF$B_JTQUOTA] = .OAFBUF[UAF$B_JTQUOTA];
:   UAFBUF[UAF$B_PBYTLM] = .OAFBUF[UAF$B_PBYTLM];
:   UAFBUF[UAF$B_PGFLQUOTA] = .OAFBUF[UAF$B_PGFLQUOTA];
```

```

: 413 0530 3 UAFBUF[UAF$S_PWD] = .OAFBUF[OAF$S_PWD];
: 414 0531 3 UAFBUF[UAF$S_UIC] = .OAFBUF[OAF$S_UIC];
: 415 0532 3
: 416 0533 3 UAFBUF[UAF$V_DISACNT] = 0;
: 417 0534 3
: 418 0535 3 IF .BITVECTOR [OAFBUF[OAF$B_PDAYFLAGS], $BITPOSITION (OAF$V_DISDIALUP)]
: 419 0536 3 THEN UAFBUF[UAF$B_DIALUP_ACCESS_P] = -1;
: 420 0537 3 IF .BITVECTOR [OAFBUF[OAF$B_SDAYFLAGS], $BITPOSITION (OAF$V_DISDIALUP)]
: 421 0538 3 THEN UAFBUF[UAF$B_DIALUP_ACCESS_S] = -1;
: 422 0539 3 IF .BITVECTOR [OAFBUF[OAF$B_PDAYFLAGS], $BITPOSITION (OAF$V_DISNETWORK)]
: 423 0540 3 THEN UAFBUF[UAF$B_REMOTE_ACCESS_P] = -1;
: 424 0541 3 IF .BITVECTOR [OAFBUF[OAF$B_SDAYFLAGS], $BITPOSITION (OAF$V_DISNETWRK)]
: 425 0542 3 THEN UAFBUF[UAF$B_REMOTE_ACCESS_S] = -1;
: 426 0543 3
: 427 0544 3 IF .OAFBUF[OAF$V_DISACNT]
: 428 0545 3 THEN
: 429 0546 3 BEGIN
: 430 0547 3 UAFBUF[UAF$B_LOCAL_ACCESS_P] = -1;
: 431 0548 3 UAFBUF[UAF$B_LOCAL_ACCESS_S] = -1;
: 432 0549 3 UAFBUF[UAF$B_DIALUP_ACCESS_P] = -1;
: 433 0550 3 UAFBUF[UAF$B_DIALUP_ACCESS_S] = -1;
: 434 0551 3 UAFBUF[UAF$B_REMOTE_ACCESS_P] = -1;
: 435 0552 3 UAFBUF[UAF$B_REMOTE_ACCESS_S] = -1;
: 436 0553 3 END;
: 437 0554 3
: 438 0555 3 IF (PRIVS0 AND .(OAFBUF[OAF$Q_PRIV]+0)) NEQ 0
: 439 0556 3 OR (PRIVS1 AND .(OAFBUF[OAF$Q_PRIV]+4)) NEQ 0
: 440 0557 3 THEN
: 441 0558 3 BEGIN
: 442 0559 3 UAFBUF[UAF$B_PWD_LENGTH] = 8;
: 443 0560 3 CH$MOVE (8, DAY30, UAFBUF[UAF$Q_PWD_LIFETIME]);
: 444 0561 3 END
: 445 0562 3 ELSE
: 446 0563 3 BEGIN
: 447 0564 3 UAFBUF[UAF$B_PWD_LENGTH] = 6;
: 448 0565 3 CH$MOVE (8, DAY180, UAFBUF[UAF$Q_PWD_LIFETIME]);
: 449 0566 3 END;
: 450 0567 3
: 451 0568 3 IF (. (OAFBUF[OAF$Q_PWD]+0) OR .(OAFBUF[OAF$Q_PWD]+4)) NEQ 0
: 452 0569 3 THEN CH$MOVE (UAF$S_PWD_DATE, DATE, UAFBUF[UAF$Q_PWD_DATE]);
: 453 0570 3 CH$MOVE (UAF$S_PRIV, OAFBUF[OAF$Q_PRIV], UAFBUF[UAF$Q_PRIV]);
: 454 0571 3 CH$MOVE (UAF$S_PRIV, OAFBUF[OAF$Q_PRIV], UAFBUF[UAF$Q_DEF_PRIV]);
: 455 0572 3 CH$MOVE (UAF$S_PWD, OAFBUF[OAF$Q_PWD], UAFBUF[UAF$Q_PWD]);
: 456 0573 3 COPY PADDED ('OAF$T_ACCOUNT');
: 457 0574 3 PADDED_TO_COUNTED ('UAF$T_CLITABLES');
: 458 0575 3 PADDED_TO_COUNTED ('UAF$T_DEFCLI');
: 459 0576 3 COPY_COUNTED ('UAF$T_DEFDEV');
: 460 0577 3 COPY_COUNTED ('UAF$T_DEFDIR');
: 461 0578 3 COPY_COUNTED ('UAF$T_LGICMD');
: 462 0579 3 PADDED_TO_COUNTED ('OAF$T_OWNER');
: 463 0580 3 COPY_PADDED ('UAF$T_USERNAME');
: 464 0581 3
: 465 0582 3 IF ( (NEWPRIV0 AND .(OAFBUF[OAF$Q_PRIV]+0)) NEQ 0
: 466 0583 3 OR (NEWPRIV1 AND .(OAFBUF[OAF$Q_PRIV]+4)) NEQ 0)
: 467 0584 3 AND ( .(OAFBUF[OAF$Q_PRIV]+0) NEQ -1
: 468 0585 3 OR .(OAFBUF[OAF$Q_PRIV]+4) NEQ -1)
: 469 0586 3 THEN
```

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: 470      0587 4      BEGIN
: 471      0588 4      OUTDSC[0] = 80;
: 472      P 0589 4      $FAO ($DESCRIPTOR ('User !AD has undefined privileges set'),
: 473      P 0590 4      OUTDSC[0],
: 474      P 0591 4      OUTDSC[0],
: 475      P 0592 4      OAF$$ USERNAME,
: 476      P 0593 4      OAFBUF[OAF$T_USERNAME]
: 477      0594 4      );
: 478      0595 4      LIB$PUT_OUTPUT (OUTDSC[0]);
: 479      0596 4      END;
: 480      0597 3
: 481      0598 3      LENGTH = UAF$C_FIXED;
: 482      0599 3      IF .OAFBUF[OAF$W_USRDATAOFF] NEQ 0
: 483      0600 3      THEN
: 484      0601 4      BEGIN
: 485      0602 4      USER_DATA = OAFBUF + .OAFBUF[OAF$W_USRDATAOFF];
: 486      0603 4      IF USER_DATA+1 LEQA OAFBUF + .OAFRAB[RAB$W_RSZ]
: 487      0604 4      THEN
: 488      0605 5      BEGIN
: 489      0606 5      USER_LENGTH = .USER_DATA[0] + 1;
: 490      0607 5      IF USER_DATA + .USER_LENGTH LEQA OAFBUF + .OAFRAB[RAB$W_RSZ]
: 491      0608 5      AND .USER_LENGTH LEQO UAF$C_LENGTH - UAF$C_FIXED
: 492      0609 5      THEN
: 493      0610 6      BEGIN
: 494      0611 6      CH$MOVE (.USER_LENGTH, .USER_DATA, OAFBUF + UAF$C_FIXED);
: 495      0612 6      LENGTH = .LENGTH + .USER_LENGTH;
: 496      0613 6      OAFBUF[OAF$W_USRDATAOFF] = UAF$C_FIXED;
: 497      0614 5      END;
: 498      0615 4      END;
: 499      0616 3      END;
: 500      0617 3      OAFRAB[RAB$W_RSZ] = LENGTH;
: 501      0618 3      ADJUST_RECORD_FIELDS(); !Ensure values at least our minimums
: 502      0619 3      RETURN_IF_ERROR ($PUT (RAB = OAFRAB));
: 503      0620 2      END;
: 504      0621 2      IF .RMSERR NEQ RMS$ EOF THEN RETURN .RMSERR;
: 505      0622 2      RETURN_IF_ERROR ($CLOSE (FAB = OAFFAB));
: 506      0623 3      $CLOSE (FAB = OAFFAB)
: 507      0624 1      END;

```

.TITLE CVTUAF Convert Authorization File
.IDENT \V04-000\

.PSECT \$SPLITS,NOWRT,NOEXE,2

65	69	66	69	74	6E	65	64	49	20	72	65	6E	77	4F	00000	P.AAA:	.LONG	765788160, -36210	:
20	20	20	20	20	20	20	20	20	20	20	20	20	20	72	00008	P.AAB:	.LONG	127631360, -6035	:
49	20	72	65	73	55	20	64	65	64	6E	65	74	78	45	00010	P.AAC:	.ASCII	\Owner Identifier	:
20	20	20	20	20	20	72	65	69	66	69	74	6E	65	64	0001F				:
20	20	20	20	20	20	20	20	20	20	20	20	43	49	55	0002E				:
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	00030	P.AAD:	.ASCII	\Extended User Identifier	:
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0003F				:
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0004E				:
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	00050	P.AAE:	.ASCII	\UIC	:
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0005F				:
20	20	20	20	20	20	20	65	6D	61	6E	72	65	73	55	0006E				:
20	20	20	20	20	20	20	65	6D	61	6E	72	65	73	55	00070	P.AAF:	.ASCII	\Username	:

00	00A84		.BYTE	0
00	00A85		.BYTE	0
00	00A86		.BYTE	0
00	00A87		.BYTE	0
00	00A88		.BYTE	0
00	00A89		.BYTE	0
00	00A8A		.BYTE	0
00	00A8B		.BYTE	0
00	00A8C		.BYTE	0
00	00A8D		.BYTE	0
	00A8E		.BLKB	2
15	00A90	UAFKEY1:	.BYTE	21
4C	00A91		.BYTE	76
0000	00A92		.WORD	0
00000000	00A94		.ADDRESS	UAFKEY2
02	00A98		.BYTE	2
02	00A99		.BYTE	2
02	00A9A		.BYTE	2
00	00A9B		.BYTE	0
00	00A9C		.BYTE	0
00	00A9D		.BYTE	0
00000000	00A9E		.LONG	0
03	00AA2		.BYTE	3
04	00AA3		.BYTE	4
00	00AA4		.BYTE	0
00	00AA5		.BYTE	0
00	00AA6		.BYTE	0
01	00AA7		.BYTE	1
0000	00AA8		.WORD	0
0000	00AAA		.WORD	0
0000	00AAC		.WORD	0
0024	00AAE		.WORD	36
0000	00AB0		.WORD	0
0000	00AB2		.WORD	0
0000	00AB4		.WORD	0
0000	00AB6		.WORD	0
0000	00AB8		.WORD	0
0000	00ABA		.WORD	0
0000	00ABC		.WORD	0
04	00ABE		.BYTE	4
00	00ABF		.BYTE	0
00	00AC0		.BYTE	0
00	00AC1		.BYTE	0
00	00AC2		.BYTE	C
00	00AC3		.BYTE	0
00	00AC4		.BYTE	0
00	00AC5		.BYTE	0
0000	00AC6		.WORD	C
00000000	00AC8		.ADDRESS	P.AAE
00000000	00ACC		.LONG	0
00	00AD0		.BYTE	0
00	00AD1		.BYTE	0
00	00AD2		.BYTE	0
00	00AD3		.BYTE	0
00	00AD4		.BYTE	0
00	00AD5		.BYTE	0
00	00AD6		.BYTE	0

.....

00	00AD7	.BYTE	0
00	00AD8	.BYTE	0
00	00AD9	.BYTE	0
	00ADA	.BLKB	2
15	00ADC	UAFKEY0: .BYTE	21
4C	00ADD	.BYTE	76
0000	00ADE	.WORD	0
00000000	00AE0	.ADDRESS	UAFKEY1
01	00AE4	.BYTE	1
01	00AE5	.BYTE	1
00	00AE6	.BYTE	0
00	00AE7	.BYTE	0
00	00AE8	.BYTE	0
00	00AE9	.BYTE	0
00000000	00AEA	.LONG	0
00	00AEE	.BYTE	0
00	00AEF	.BYTE	0
00	00AF0	.BYTE	0
00	00AF1	.BYTE	0
00	00AF2	.BYTE	0
00	00AF3	.BYTE	0
0000	00AF4	.WORD	0
0000	00AF6	.WORD	0
0000	00AF8	.WORD	0
0004	00AFA	.WORD	4
0000	00AFC	.WORD	0
0000	00AFE	.WORD	0
0000	00B00	.WORD	0
0000	00B02	.WORD	0
0000	00B04	.WORD	0
0000	00B06	.WORD	0
0000	00B08	.WORD	0
20	00B0A	.BYTE	32
00	00B0B	.BYTE	0
00	00B0C	.BYTE	0
00	00B0D	.BYTE	0
00	00B0E	.BYTE	0
00	00B0F	.BYTE	0
00	00B10	.BYTE	0
00	00B11	.BYTE	0
0000	00B12	.WORD	0
00000000	00B14	.ADDRESS	P.AAF
00000000	00B18	.LONG	0
00	00B1C	.BYTE	0
00	00B1D	.BYTE	0
00	00B1E	.BYTE	0
00	00B1F	.BYTE	0
00	00B20	.BYTE	0
00	00B21	.BYTE	0
00	00B22	.BYTE	0
00	00B23	.BYTE	0
00	00B24	.BYTE	0
00	00B25	.BYTE	0
	00B26	.BLKB	2
14	00B28	UAFALL2: .BYTE	20
20	00B29	.BYTE	32
0000	00B2A	.WORD	0

.....

```
00000000' 00B2C .ADDRESS UAFKEY0
      20 00B30 .BYTE 32
      00 00B31 .BYTE 0
      000C 00B32 .WORD 0
00000000 00B34 .LONG 0
0000000C 00B38 .LONG 12
      0012 00B3C .WORD 18
      03 00B3E .BYTE 3
      02 00B3F .BYTE 2
0000 0000 0000 00B40 .WORD 0, 0, 0
      0000 00B46 .WORD 0
      14 00B48 UAFALL1: .BYTE 20
      20 00B49 .BYTE 32
      0000 00B4A .WORD 0
00000000' 00B4C .ADDRESS UAFALL2
      20 00B50 .BYTE 32
      00 00B51 .BYTE 0
      0000 00B52 .WORD 0
00000000 00B54 .LONG 0
00000003 00B58 .LONG 3
      0003 00B5C .WORD 3
      03 00B5E .BYTE 3
      01 00B5F .BYTE 1
0000 0000 0000 00B60 .WORD 0, 0, 0
      0000 00B66 .WORD 0
      14 00B68 UAFALLO: .BYTE 20
      20 00B69 .BYTE 32
      0000 00B6A .WORD 0
00000000' 00B6C .ADDRESS UAFALL1
      20 00B70 .BYTE 32
      00 00B71 .BYTE 0
      0000 00B72 .WORD 0
00000000 00B74 .LONG 0
00000010 00B78 .LONG 16
      000C 00B7C .WORD 12
      03 00B7E .BYTE 3
      00 00B7F .BYTE 0
0000 0000 0000 00B80 .WORD 0, 0, 0
      0000 00B86 .WORD 0
      13 00B88 UAFPRO: .BYTE 19
      58 00B89 .BYTE 88
      0000 00B8A .WORD 0
00000000' 00B8C .ADDRESS UAFALLO
      F888 00B90 .WORD -1912
      00 00B92 .BYTE 0
      00 00B93 .BYTE 0
0000 0000 0000 00B94 .WORD 0, 0
      00 00B98 .BYTE 0
      00 00B99 .BYTE 0
      0000 00B9A .WORD 0
00000000 00B9C .LONG 0
00000000 00BA0 .LONG 0
      0000 00BA4 .WORD 0
      0000 00BA6 .WORD 0
00000000 00BA8 .LONG 0
00000000 00BAC .LONG 0
      00B80 .BLKB 48
```

.....

```

03 00BE0 UAFFAB: .BYTE 3
50 00BE1 .BYTE 80
0000 00BE2 .WORD 0
00000000 00BE4 .LONG 0
00000000 00BE8 .LONG 0
00000000 00BEC .LONG 0
00000000 00BF0 .LONG 0
0000 00BF4 .WORD 0
01 00BF6 .BYTE 1
20 00BF7 .BYTE 32
00000000 00BF8 .LONG 0
00 00BFC .BYTE 0
20 00BFD .BYTE 32
00 00BFE .BYTE 0
02 00BFF .BYTE 2
00000000 00C00 .LONG 0
00000000 00C04 .ADDRESS UAFPRO
00000000 00C08 .LONG 0
00000000 00C0C .ADDRESS P.AAG
00000000 00C10 .ADDRESS P.AAH
06 00C14 .BYTE 6
04 00C15 .BYTE 4
0584 00C16 .WORD 1412
00000000 00C18 .LONG 0
0000 00C1C .WORD 0
00 00C1E .BYTE 0
00 00C1F .BYTE 0
00000000 00C20 .LONG 0
00000000 00C24 .LONG 0
0000 00C28 .WORD 0
00 00C2A .BYTE 0
00 00C2B .BYTE 0
00000000 00C2C .LONG 0
01 00C30 UAFRAB: .BYTE 1
44 00C31 .BYTE 68
0000 00C32 .WORD 0
00000000 00C34 .LONG 0
00000000 00C38 .LONG 0
00000000 00C3C .LONG 0
0000 00C40 .WORD 0[3]
0000 00C46 .WORD 0
00000000 00C48 .LONG 0
0000 00C4C .WORD 0
00 00C4E .BYTE 0
00 00C4F .BYTE 0
0000 00C50 .WORD 0
0000 00C52 .WORD 0
00000000 00C54 .LONG 0
00000000 00C58 .ADDRESS UAFBUF
00000000 00C5C .LONG 0
00000000 00C60 .LONG 0
00 00C64 .BYTE 0
00 00C65 .BYTE 0
00 00C66 .BYTE 0
00 00C67 .BYTE 0
00000000 00C68 .LONG 0
00000000 00C6C .ADDRESS UAFFAB

```

.....

00000000	00C70	.LONG	0
15	00C74	OAFKEY2: .BYTE	21
4C	00C75	.BYTE	76
0000	00C76	.WORD	0
00000000	00C78	.LONG	0
00	00C7C	.BYTE	0
00	00C7D	.BYTE	0
00	00C7E	.BYTE	0
00	00C7F	.BYTE	0
00	00C80	.BYTE	0
00	00C81	.BYTE	0
00000000	00C82	.LONG	0
00	00C86	.BYTE	0
00	00C87	.BYTE	0
00	00C88	.BYTE	0
00	00C89	.BYTE	0
00	00C8A	.BYTE	0
02	00C8B	.BYTE	2
0000	00C8C	.WORD	0
0000	00C8E	.WORD	0
0000	00C90	.WORD	0
0000	00C92	.WORD	0
0000	00C94	.WORD	0
0000	00C96	.WORD	0
0000	00C98	.WORD	0
0000	00C9A	.WORD	0
0000	00C9C	.WORD	0
0000	00C9E	.WORD	0
0000	00CA0	.WORD	0
00	00CA2	.BYTE	0
00	00CA3	.BYTE	0
00	00CA4	.BYTE	0
00	00CA5	.BYTE	0
00	00CA6	.BYTE	0
00	00CA7	.BYTE	0
00	00CA8	.BYTE	0
00	00CA9	.BYTE	0
0000	00CAA	.WORD	0
00000000	00CAC	.LONG	0
00000000	00CB0	.LONG	0
00	00CB4	.BYTE	0
00	00CB5	.BYTE	0
00	00CB6	.BYTE	0
00	00CB7	.BYTE	0
00	00CB8	.BYTE	0
00	00CB9	.BYTE	0
00	00CBA	.BYTE	0
00	00CBB	.BYTE	0
00	00CBC	.BYTE	0
00	00CBD	.BYTE	0
	00CBE	.BLKB	2
15	00CC0	OAFKEY1: .BYTE	21
4C	00CC1	.BYTE	76
0000	00CC2	.WORD	0
00000000	00CC4	.ADDRESS OAFKEY2	
00	00CC8	.BYTE	0
00	00CC9	.BYTE	0

.....

00	00C A	.BYTE	0
00	00C B	.BYTE	0
00	00C C	.BYTE	0
00	00C D	.BYTE	0
000000	00C E	.LONG	0
00	00C D2	.BYTE	0
00	00C D3	.BYTE	0
00	00C D4	.BYTE	0
00	00C D5	.BYTE	0
00	00C D6	.BYTE	0
01	00C D7	.BYTE	1
0000	00C D8	.WORD	0
0000	00C D A	.WORD	0
0000	00C D C	.WORD	0
0000	00C D E	.WORD	0
0000	00C E 0	.WORD	0
0000	00C E 2	.WORD	0
0000	00C E 4	.WORD	0
0000	00C E 6	.WORD	0
0000	00C E 8	.WORD	0
0000	00C E A	.WORD	0
0000	00C E C	.WORD	0
00	00C E E	.BYTE	0
00	00C E F	.BYTE	0
00	00C F 0	.BYTE	0
00	00C F 1	.BYTE	0
00	00C F 2	.BYTE	0
00	00C F 3	.BYTE	0
00	00C F 4	.BYTE	0
00	00C F 5	.BYTE	0
0000	00C F 6	.WORD	0
00000000	00C F 8	.LONG	0
0000C000	00C F C	.LONG	0
00	00D 0 0	.BYTE	0
00	00D 0 1	.BYTE	0
00	00D 0 2	.BYTE	0
00	00D 0 3	.BYTE	0
00	00D 0 4	.BYTE	0
00	00D 0 5	.BYTE	0
00	00D 0 6	.BYTE	0
00	00D 0 7	.BYTE	0
00	00D 0 8	.BYTE	0
00	00D 0 9	.BYTE	0
00	00D 0 A	.BLKB	2
15	00D 0 C	.BYTE	21
4C	00D 0 D	.BYTE	76
0000	00D 0 E	.WORD	0
00000000	00D 1 0	.ADDRESS	OAFKEY1
00	00D 1 4	.BYTE	0
00	00D 1 5	.BYTE	0
00	00D 1 6	.BYTE	0
00	00D 1 7	.BYTE	0
00	00D 1 8	.BYTE	0
00	00D 1 9	.BYTE	0
000000	00D 1 A	.LONG	0
00	00D 1 E	.BYTE	0
00	00D 1 F	.BYTE	0

.....

00	00D20	.BYTE	0
00	00D21	.BYTE	0
00	00D22	.BYTE	0
00	00D23	.BYTE	0
0000	00D24	.WORD	0
0000	00D26	.WORD	0
0000	00D28	.WORD	0
0000	00D2A	.WORD	0
0000	00D2C	.WORD	0
0000	00D2E	.WORD	0
0000	00D30	.WORD	0
0000	00D32	.WORD	0
0000	00D34	.WORD	0
0000	00D36	.WORD	0
0000	00D38	.WORD	0
00	00D3A	.BYTE	0
00	00D3B	.BYTE	0
00	00D3C	.BYTE	0
00	00D3D	.BYTE	0
00	00D3E	.BYTE	0
00	00D3F	.BYTE	0
00	00D40	.BYTE	0
00	00D41	.BYTE	0
0000	00D42	.WORD	0
00000000	00D44	.LONG	0
00000000	00D48	.LONG	0
00	00D4C	.BYTE	0
00	00D4D	.BYTE	0
00	00D4E	.BYTE	0
00	00D4F	.BYTE	0
00	00D50	.BYTE	0
00	00D51	.BYTE	0
00	00D52	.BYTE	0
00	00D53	.BYTE	0
00	00D54	.BYTE	0
00	00D55	.BYTE	0
	00D56	.BLKB	2
03	00D58	OAFFAB: .BYTE	2
50	00D59	.BYTE	80
0000	00D5A	.WORD	0
00000000	00D5C	.LONG	0
00000000	00D60	.LONG	0
00000000	00D64	.LONG	0
00000000	00D68	.LONG	0
0000	00D6C	.WORD	0
02	00D6E	.BYTE	2
00	00D6F	.BYTE	0
00000000	00D70	.LONG	0
00	00D74	.BYTE	0
00	00D75	.BYTE	0
00	00D76	.BYTE	0
02	00D77	.BYTE	2
00000000	00D78	.LONG	0
00000000	00D7C	.ADDRESS OAFKEY0	
00000000	00D80	.LONG	0
00000000	00D84	.ADDRESS P.AAI	
00000000	00D88	.ADDRESS P.AAJ	

.....

```

06 00D8C .BYTE 6
04 00D8D .BYTE 4
0000 00D8E .WORD 0
00000000 00D90 .LONG 0
0000 00D94 .WORD 0
00 00D96 .BYTE 0
00 00D97 .BYTE 0
00000000 00D98 .LONG 0
00000000 00D9C .LONG 0
0000 00DA0 .WORD 0
00 00DA2 .BYTE 0
00 00DA3 .BYTE 0
00000000 00DA4 .LONG 0
01 00DA8 OAFRAB: .BYTE 1
44 00DA9 .BYTE 68
0000 00DAA .WORD 0
00000000 00DAC .LONG 0
00000000 00DB0 .LONG 0
00000000 00DB4 .LONG 0
0000# 00DB8 .WORD 0[3]
0000 00DBE .WORD 0
00000000 00DC0 .LONG 0
0000 00DC4 .WORD 0
00 00DC6 .BYTE 0
00 00DC7 .BYTE 0
041C 00DC8 .WORD 1052
0000 00DCA .WORD 0
00000000' 00DCC .ADDRESS OAFBUF
00000000 00DD0 .LONG 0
00000000 00DD4 .LONG 0
0C000000 00DD8 .LONG 0
00 00DDC .BYTE 0
00 00DDD .BYTE 0
00 00DDE .BYTE 0
00 00DDF .BYTE 0
00000000 00DE0 .LONG 0
00000000' 00DE4 .ADDRESS OAFFAB
00000000 00DE8 .LONG 0

```

DAY180=
DAY30=

P.AAA
P.AAB

```

.EXTRN LIB$PUT OUTPUT, SYSS$GETTIM
.EXTRN SYSS$OPEN, SYSS$CONNECT
.EXTRN SYSS$CREATE, SYSS$GET
.EXTRN SYSS$FAO, SYSS$PUT
.EXTRN SYSS$CLOSE

```

.PSECT \$CODE\$,NOWRT,2

```

5B 00000000G 00 0FFC 00000 MAIN: .WORD Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 : 0416
5A 0000' 00 9E 00002 MOVAB SYSS$CONNECT, R11
5E 00 0C 9E 00009 MOVAB OAFBUF, R10
04 AE C2 0000E SUBL2 #12, SP : 0427
00000000G 00 01 9F 00011 PUSHAB DATE
07D4 01 FB 00014 CALLS #1, SYSS$GETTIM
00000000G 00 CA 9F 0001B PUSHAB OAFFAB : 0431
01 FB 0001F CALLS #1, SYSS$OPEN

```

	07		50	E9	00026		BLBC	RMSERR, 1\$		
		0824	CA	9F	00029		PUSHAB	OAFRAB		0432
6B			01	FB	0002D		CALLS	#1, SYSSCONNECT		
01			50	E8	00030	1\$:	BLBS	RMSERR, 2\$		
				04	00033		RET			
			52	D4	00034	2\$:	CLRL	NEW_FLAG		0437
04		07A6	CA	B1	00036		CMPW	OAFKEY0+30, #4		0438
			28	12	0003B		BNEQ	3\$		
20		07B6	CA	91	0003D		CMPB	OAFKEY0+46, #32		0439
			21	12	00042		BNEQ	3\$		
24		075A	CA	B1	00044		CMPW	OAFKEY1+30, #36		0440
			1A	12	00049		BNEQ	3\$		
04		076A	CA	91	0004B		CMPB	OAFKEY1+46, #4		0441
			13	12	00050		BNEQ	3\$		
24		070E	CA	B1	00052		CMPW	OAFKEY2+30, #36		0442
			0C	12	00057		BNEQ	3\$		
08		071E	CA	91	00059		CMPB	OAFKEY2+46, #8		0443
			05	12	0005E		BNEQ	3\$		
52			01	D0	00060		MOVL	#1, NEW_FLAG		0446
			3C	11	00063		BRB	5\$		0438
		07A6	CA	B5	00065	3\$:	TSTW	OAFKEY0+30		0452
			23	12	00069		BNEQ	4\$		
0C		07B6	CA	91	0006B		CMPB	OAFKEY0+46, #12		0453
			1C	12	00070		BNEQ	4\$		
1C		075A	CA	B1	00072		CMPW	OAFKEY1+30, #28		0454
			15	12	00077		BNEQ	4\$		
04		076A	CA	91	00079		CMPB	OAFKEY1+46, #4		0455
			0E	12	0007E		BNEQ	4\$		
1C		070E	CA	B1	00080		CMPW	OAFKEY2+30, #28		0456
			07	12	00085		BNEQ	4\$		
02		071E	CA	91	00087		CMPB	OAFKEY2+46, #2		0457
			13	13	0008C		BEQL	5\$		
		0000'	CF	9F	0008E	4\$:	PUSHAB	P.AAK		0460
	00000000G	00	01	FB	00092		CALLS	#1, LIB\$PUT_OUTPUT		
		50	8F	D0	00099		MOVL	#268435456, -R0		0461
				04	000A0		RET			
		07E4	CA	D0	000A1	5\$:	MOVL	OAFFAB+16, R0		0469
			52	E9	000A6		BLBC	NEW_FLAG, 6\$		0467
	05F4	CA	50	D0	000A9		MOVL	R0, -UAFALLO+16		0469
			0A	11	000AE		BRB	7\$		
		50	02	C7	000B0	6\$:	DIVL3	#2, R0, R1		0471
05F4	51	CA	50	C1	000B4		ADDL3	R0, R1, UAFALLO+16		
		065C	CA	9F	000BA	7\$:	PUSHAB	UAFFAB		0472
	00000000G	00	01	FB	000BE		CALLS	#1, SYSSCREATE		
		07	50	E9	000C5		BLBC	RMSERR, 8\$		
		06AC	CA	9F	0C0C8		PUSHAB	UAFRAB		0473
			01	FB	000CC		CALLS	#1, SYSSCONNECT		
6B			50	E8	000CF	8\$:	BLBS	RMSERR, 9\$		
01				04	000D2		RET			
			52	E9	000D3	9\$:	BLBC	NEW_FLAG, 10\$		0479
	0000V	CF	00	FB	000D6		CALLS	#0, -COPY_ADJUST_SELECTED		0481
		50	01	D0	000DB		MOVL	#1, R0		
				04	000DE		RET			
		0824	CA	9F	000DF	10\$:	PUSHAB	OAFRAB		0485
	00000000G	00	01	FB	000E3		CALLS	#1, SYSSGET		
		59	50	D0	000EA		MOVL	R0, RMSERR		
		03	59	E8	000ED		BLBS	RMSERR, 11\$		

0584	BF	00	6E		035E	31	000F0		BRW	33\$				
					00	2C	000F3	11\$:	MOVCS	#0	(SP), #0, #1412, UAFBUF			0488
				FA7C	CA		000FA							
				FBE4	CA	0101	8F	B0	MOVW	#257, UAFBUF				0489
				FC50	CA	59	AA	90	MOVW	OAFBUF+89, UAFBUF+360				0492
				FC86	CA	00A1	CA	9A	MOVZBL	OAFBUF+161, UAFBUF+468				0493
				FC84	CA	00DF	CA	9B	MOVZBW	OAFBUF+223, UAFBUF+522				0494
				FC82	CA	00DD	CA	9B	MOVZBW	OAFBUF+221, UAFBUF+520				0495
					CA	00DC	CA	9B	MOVZBW	OAFBUF+220, UAFBUF+518				0496
					CA	00D4	CA	D0	MOVL	OAFBUF+212, R1				0497
FC60	CA	18	00			51	F0	0012B	INSV	R1, #0, #24, UAFBUF+484				
			50	00D8	CA	D0	00132		MOVL	OAFBUF+216, R0				0498
FC63	CA	18	00			50	F0	00137	INSV	R0, #0, #24, UAFBUF+487				
FC66	CA	18	00			51	F0	0013E	INSV	R1, #0, #24, UAFBUF+490				0499
FC69	CA	18	00			50	F0	00145	INSV	R0, #0, #24, UAFBUF+493				0500
FC6C	CA	18	00			51	F0	0014C	INSV	R1, #0, #24, UAFBUF+496				0501
FC6F	CA	18	00			50	F0	00153	INSV	R0, #0, #24, UAFBUF+499				0502
FC5A	CA	18	00			51	F0	0015A	INSV	R1, #0, #24, UAFBUF+478				0503
FC5D	CA	18	00			50	F0	00161	INSV	R0, #0, #24, UAFBUF+481				0504
FC54	CA	18	00			51	F0	00168	INSV	R1, #0, #24, UAFBUF+472				0505
FC57	CA	18	00			50	F0	0016F	INSV	R0, #0, #24, UAFBUF+475				0506
				FC80	CA	00A0	CA	90	MOVW	OAFBUF+160, UAFBUF+516				0507
				FC7E	CA	00DE	CA	90	MOVW	OAFBUF+222, UAFBUF+514				0508
				FC81	CA	0104	CA	90	MOVW	OAFBUF+260, UAFBUF+517				0509
				FC8A	CA	66	AA	B0	MOVW	OAFBUF+102, UAFBUF+526				0511
				FC9C	CA	74	AA	3C	MOVZWL	OAFBUF+116, UAFBUF+544				0512
				FC8C	CA	6A	AA	B0	MOVW	OAFBUF+106, UAFBUF+528				0513
				FC90	CA	76	AA	D0	MOVL	OAFBUF+118, UAFBUF+532				0510
				FC94	CA	6C	AA	B0	MOVW	OAFBUF+108, UAFBUF+536				0515
				FC88	CA	70	AA	B0	MOVW	OAFBUF+112, UAFBUF+524				0516
				FBE2	CA	00D0	CA	B0	MOVW	OAFBUF+208, UAFBUF+358				0517
				FC96	CA	00CC	CA	B0	MOVW	OAFBUF+204, UAFBUF+538				0518
				FC8E	CA	6E	AA	B0	MOVW	OAFBUF+110, UAFBUF+530				0519
				FCA0	CA	00D2	CA	3C	MOVZWL	OAFBUF+210, UAFBUF+548				0520
				FC98	CA	72	AA	3C	MOVZWL	OAFBUF+114, UAFBUF+540				0521
				FCAC	CA	00E0	CA	D0	MOVL	OAFBUF+224, UAFBUF+560				0522
							06	12	BNEQ	12\$				0523
				FCAC	CA	68	AA	3C	MOVZWL	OAFBUF+104, UAFBUF+560				0525
				FCA8	CA	5A	AA	D0	MOVL	OAFBUF+90, UAFBUF+556				0526
				FCB4	CA	0105	CA	D0	MOVL	OAFBUF+261, UAFBUF+568				0527
				FCB0	CA	00C8	CA	D0	MOVL	OAFBUF+200, UAFBUF+564				0528
				FCA4	CA	7A	AA	D0	MOVL	OAFBUF+122, UAFBUF+552				0529
				FBDO	CA	0C	AA	D0	MOVL	OAFBUF+12, UAFBUF+340				0530
				FAA0	CA	1C	AA	D0	MOVL	OAFBUF+28, UAFBUF+36				0531
				FC50	CA		10	8A	BICB2	#16, UAFBUF+468				0533
					CA	00D7	CA	E9	BLBC	OAFBUF+215, 13\$				0535
				FC66	CA	00FFFFFF	8F	C8	BISL2	#16777215, UAFBUF+490				0536
					CA	00DB	CA	E9	BLBC	OAFBUF+219, 14\$				0537
		09		FC69	CA	00FFFFFF	8F	C8	BISL2	#16777215, UAFBUF+493				0538
				00D7	CA		01	E1	BBC	#1, OAFBUF+215, 15\$				0539
		09		FC6C	CA	00FFFFFF	8F	C8	BISL2	#16777215, UAFBUF+496				0540
				00DB	CA		01	E1	BBC	#1, OAFBUF+219, 16\$				0541
		36		FC6F	CA	00FFFFFF	8F	C8	BISL2	#16777215, UAFBUF+494				0542
				00A1	CA		04	E1	BBC	#4, OAFBUF+161, 17\$				0544
				FC60	CA	00FFFFFF	8F	C6	BISL2	#16777215, UAFBUF+484				0547
				FC63	CA	00FFFFFF	8F	C8	BISL2	#16777215, UAFBUF+487				0548
				FC66	CA	00FFFFFF	8F	C8	BISL2	#16777215, UAFBUF+490				0549

			FC69	CA	00FFFFFF	8F	C8	00265		BISL2	#16777215, UAFBUF+493	0550
			FC6C	CA	00FFFFFF	8F	C8	0026E		BISL2	#16777215, UAFBUF+496	0551
			FC6F	CA	00FFFFFF	8F	C8	00277		BISL2	#16777215, UAFBUF+499	0552
				57	5E	AA	D0	00280	17\$:	MOVL	OAFBUF+94, R7	0555
			F66770E7	8F		57	D3	00284		BITL	R7, #-160993049	
						0A	12	0028B		BNEQ	18\$	
			FFFFFFFB	8F	62	AA	D3	0028D		BITL	OAFBUF+98, #-5	0556
						0F	13	00295		BEQL	19\$	
			FBE6	CA		08	90	00297	18\$:	MOVB	#8, UAFBUF+362	0559
	FBFO	CA	0000	CF		08	28	0029C		MOVCS	#8, DAY30, UAFBUF+372	0560
						0D	11	002A4		BRB	20\$	0555
			FBE6	CA		06	90	002A6	19\$:	MOVB	#6, UAFBUF+362	0564
	FBFO	CA	0000	CF		08	28	002AB		MOVCS	#8, DAY180, UAFBUF+372	0565
		50		AA	10	AA	C9	002B3	20\$:	BISL3	OAFBUF+16, OAFBUF+12, R0	0568
			OC			07	13	002B9		BEQL	21\$	
	FBF8	CA	04	AE		08	28	002BB		MOVCS	#8, DATE, UAFBUF+380	0569
	FC18	CA	5E	AA		08	28	002C2	21\$:	MOVCS	#8, OAFBUF+94, UAFBUF+412	0570
	FC20	CA	5E	AA		08	28	002C9		MOVCS	#8, OAFBUF+94, UAFBUF+420	0571
	FBDO	CA	OC	AA		08	28	002D0		MOVCS	#8, OAFBUF+12, UAFBUF+340	0572
20		20	14	AA		08	2C	002D7		MOVCS	#8, OAFBUF+20, #32, #32, UAFBUF+52	0573
						CA		002DD				
				50	FAB0	CA	9E	002E0		MOVAB	OAFBUF+260, P	0574
				20	0104	AO	91	002E5	22\$:	CMPB	-1(P), #32	
					FF	OE	1A	002E9		BGTRU	23\$	
				51	00E4	CA	9E	002EB		MOVAB	OAFBUF+228, R1	
				51		50	D1	002F0		CMPL	P, R1	
						04	1B	002F3		BLEQU	23\$	
						50	D7	002F5		DECL	P	
						EC	11	002F7		BRB	22\$	
				51	00E4	CA	9E	002F9	23\$:	MOVAB	OAFBUF+228, R1	
				50		51	C2	002FE		SUBL2	R1, COUNT	
			FBB0	CA		50	90	00301		MOVB	COUNT, UAFBUF+308	
1F		20	00E4	CA		50	2C	00306		MOVCS	COUNT, OAFBUF+228, #32, #31, UAFBUF+309	
						CA		0030D				
				50	FBB1	CA	9E	00310		MOVAB	OAFBUF+89, P	0575
				20	59	AO	91	00314	24\$:	CMPB	-1(P), #32	
					FF	OD	1A	00318		BGTRU	25\$	
				51	50	AA	9E	0031A		MOVAB	OAFBUF+80, R1	
				51		50	D1	0031E		CMPL	P, R1	
						04	1B	00321		BLEQU	25\$	
						50	D7	00323		DECL	P	
						ED	11	00325		BRB	24\$	
				51	50	AA	9E	00327	25\$:	MOVAB	OAFBUF+80, R1	
				50		51	C2	0032B		SUBL2	R1, COUNT	
			FB90	CA		50	90	0032E		MOVB	COUNT, UAFBUF+276	
1F		20	50	AA		50	2C	00333		MOVCS	COUNT, OAFBUF+80, #32, #31, UAFBUF+277	
						CA		00339				
				50	FB91	CA	9A	0033C		MOVZBL	OAFBUF+64, R0	0576
					40	50	D6	00340		INCL	R0	
	20	20	40	AA		50	2C	00342		MOVCS	R0, OAFBUF+64, #32, #32, UAFBUF+116	
						CA		00348				
				50	FAF0	CA	9A	0034B		MOVZBL	OAFBUF+32, R0	0577
					20	50	D6	0034F		INCL	R0	
						50	2C	00351		MOVCS	R0, OAFBUF+32, #32, #64, UAFBUF+148	
0040	8F	20	20	AA		CA		00359				
						CA	9A	0035C		MOVZBL	OAFBUF+166, R0	0578
				50	00A6	50	D6	00361		INCL	R0	

CVTUAF
V04-000

Convert Authorization File

B 1
16-Sep-1984 02:15:10
14-Sep-1984 13:21:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[UAF.SRC]CVTUAF.B32;1

00000000G	00	01	FB	00443	CALLS	#1, SYSSPUT	:	
	03	50	E9	0044A	BLBC	RMSERR, 32\$:	
		FC8F	31	0044D	BRW	10\$:	
			04	00450	RET		:	
0001827A	8F	59	D1	00451	32\$:	CMPL	RMSERR, #98938	0621
		04	13	00458	33\$:	BEQL	34\$	
	50	59	D0	0045A		MOVL	RMSERR, R0	
			04	0045D		RET		
		065C	CA	9F	0045E	34\$:	PUSHAB	UAFFAB
00000000G	00	01	FB	00462	CALLS	#1, SYSSCLOSE	:	0622
	0B	50	E9	00469	BLBC	RMSERR, 35\$:	
		07D4	CA	9F	0046C	PUSHAB	OAFFAB	0623
00000000G	00	01	FB	00470	CALLS	#1, SYSSCLOSE	:	0624
			04	00477	35\$:	RET	:	

; Routine Size: 1144 bytes, Routine Base: \$CODE\$ + 0000

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509 0625 1 ROUTINE ADJUST_RECORD_FIELDS : NOVALUE=
510 0626 1 |++
511 0627 1 | FUNCTIONAL DESCRIPTION:
512 0628 1 |
513 0629 1 | Checks the currently converted record to ensure that
514 0630 1 | values are at least the minimums we want.
515 0631 1 |
516 0632 1 | --
517 0633 2 BEGIN
518 0634 2 IF .UAFBUF[UAF$W_ASTLM] LEQU 24
519 0635 2 THEN
520 0636 2     UAFBUF[UAF$W_ASTLM] = 24;
521 0637 2 IF .UAFBUF[UAF$W_BIOLM] LEQU 18
522 0638 2 THEN
523 0639 2     UAFBUF[UAF$W_BIOLM] = 18;
524 0640 2 IF .UAFBUF[UAF$W_DIOLM] LEQU 18
525 0641 2 THEN
526 0642 2     UAFBUF[UAF$W_DIOLM] = 18;
527 0643 2 IF .UAFBUF[UAF$L_JTQUOTA] LEQU 1024
528 0644 2 THEN
529 0645 2     UAFBUF[UAF$L_JTQUOTA] = 1024;
530 0646 2 IF .UAFBUF[UAF$W_ENQLM] LEQU 30
531 0647 2 THEN
532 0648 2     UAFBUF[UAF$W_ENQLM] = 30;
533 0649 2 IF .UAFBUF[UAF$L_BYTLM] LEQU 8192
534 0650 2 THEN
535 0651 2     UAFBUF[UAF$L_BYTLM] = 8192;
536 0652 2
537 0653 2 RETURN;
538 0654 1 END;

```

0004 0000 ADJUST_RECORD_FIELDS:											
									.WORD	Save R2	0625
	52	0000'	CF	9E	00002				MOVAB	UAFBUF+532, R2	0634
	18		62	B1	00007				CMPW	UAFBUF+532, #24	0636
			03	1A	0000A				BGTRU	1\$	0637
	62		18	B0	0000C				MOVW	#24, UAFBUF+532	0639
	12	FA	A2	B1	0000F	1\$:			CMPW	UAFBUF+526, #18	0640
			04	1A	00013				BGTRU	2\$	0642
	FA	A2	12	B0	00015				MOVW	#18, UAFBUF+526	0643
			12	B1	00019	2\$:			CMPW	UAFBUF+528, #18	0645
			04	1A	0001D				BGTRU	3\$	0646
	FC	A2	12	B0	0001F				MOVW	#18, UAFBUF+528	0648
	00000400	8F	24	A2	D1	00023	3\$:		CMPL	UAFBUF+568, #1024	0649
			06	1A	0002B				BGTRU	4\$	
	24	A2	0400	8F	3C	0002D			MOVZWL	#1024, UAFBUF+568	
		1E	02	A2	B1	00033	4\$:		CMPW	UAFBUF+534, #30	
			04	1A	00037				BGTRU	5\$	
	02	A2	1E	B0	00039				MOVW	#30, UAFBUF+534	
	00002000	8F	1C	A2	D1	0003D	5\$:		CMPL	UAFBUF+560, #8192	
			06	1A	00045				BGTRU	6\$	
	1C	A2	2000	8F	3C	00047			MOVZWL	#8192, UAFBUF+560	
			04	0004D	6\$:				RET		0654

CVTUAF
V04-000

Convert Authorization File

D 1
16-Sep-1984 02:15:10
14-Sep-1984 13:21:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMMASTER:[UAF.SRC]CVTUAF.B32;1 Page 28
(4)

RI
VO

; Routine Size: 78 bytes, Routine Base: \$CODE\$ + 0478

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540 0655 1 ROUTINE COPY_ADJUST_SELECTED : NOVALUE =
541 0656 1 |++
542 0657 1 | FUNCTIONAL DESCRIPTION:
543 0658 1 |
544 0659 1 |         This routine copies an already-converted uaf, and adjusts
545 0660 1 |         fields as needed.
546 0661 1 | --
547 0662 2 BEGIN
548 0663 2 LOCAL
549 0664 2     STATUS;
550 0665 2
551 0666 2 WHILE (STATUS = $GET(RAB=OAFRAB)) NEQ RMS$_EOF
552 0667 2 DO
553 0668 2     BEGIN
554 0669 2     IF NOT .STATUS
555 0670 2     THEN
556 0671 2         RETURN SIGNAL(.STATUS);
557 0672 2     CH$MOVE(.OAFRAB[RAB$W_RSZ],OAFBUF,UAFBUF);
558 0673 2     UAFRAB[RAB$W_RSZ] = .OAFRAB[RAB$W_RSZ];
559 0674 2     ADJUST_RECORD_FIELDS();
560 0675 2     STATUS = $PUT(RAB=UAFRAB);
561 0676 2     IF NOT .STATUS
562 0677 2     THEN SIGNAL(.STATUS);
563 0678 2     END;
564 0679 2 STATUS = $CLOSE(FAB=UAFFAB);
565 0680 2 IF NOT .STATUS
566 0681 2 THEN
567 0682 2     SIGNAL(.STATUS);
568 0683 2 $CLOSE(FAB=UAFFAB);
569 0684 2 RETURN;
570 0685 1 END;

```

4F

45

03FC 0000 COPY_ADJUST_SELECTED

						.WORD	Save R2,R3,R4,R5,R6,R7,R8,R9	: 0655
	59	00000000G	00	9E	00002	MOVAB	SYSSCLOSE, R9	:
	58	00000000G	00	9E	00009	MOVAB	LIB\$SIGNAL, R8	:
	57	0000'	CF	9E	00010	MOVAB	OAFRAB+34, R7	:
			DE	A7	9F	PUSHAB	OAFRAB	: 0666
	00000000G		00	01	FB	CALLS	#1, SYSSGET	:
	0001827A		56	50	DO	MOVL	R0, STATUS	:
			8F	56	D1	CMPL	STATUS, #98938	:
			06	33	13	BEQL	3\$:
			68	56	E8	BLBS	STATUS, 2\$: 0669
				56	DD	PUSHL	STATUS	: 0671
				01	FB	CALLS	#1, LIB\$SIGNAL	:
				04	00033	RET		:
F236	C7	F7BA	C7	67	28	MOV3	OAFRAB+34, OAFBUF, UAFBUF	: 0672
		FE88	C7	67	B0	MOVW	OAFRAB+34, UAFRAB+34	: 0673
		FF6C	CF	00	FB	CALLS	#0, ADJUST_RECORD_FIELDS	: 0674
			FE66	C7	9F	PUSHAB	UAFRAB	: 0675
	00000000G		00	01	FB	CALLS	#1, SYSSPUT	:
			56	50	DO	MOVL	R0, STATUS	:
			BE	56	z8	BLBS	STATUS, 1\$: 0676

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        56 DD 00057      PUSHL STATUS                : 0677
        68 01 FB 00059    CALLS #1, LIB$SIGNAL          :
        BRB 11 0005C      BRB 1$                      : 0666
        FE16 C7 9F 0005E 3$: PUSHAB UAFFAB              : 0679
        69 01 FB 00062    CALLS #1, SYS$CLOSE          :
        56 50 D0 00065    MOVL R0, STATUS              :
        05 56 E8 00068    BLBS STATUS, 4$              : 0680
        56 DD 00068      PUSHL STATUS                  : 0682
        68 01 FB 0006D    CALLS #1, LIB$SIGNAL          :
        8E A7 9F 00070 4$: PUSHAB OAFFAB              : 0683
        69 01 FB 00073    CALLS #1, SYS$CLOSE          :
        04 00076      RET                               : 0685
    
```

: Routine Size: 119 bytes, Routine Base: \$CODE\$ + 04C6

```

: 571      0686 1 END
: 572      0687 0 ELUDOM
    
```

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$SPLITS	244	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$OWNS	3564	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODE\$	1341	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Symbols -----		Pages Mapped	Processing Time
	Total	Loaded Percent		
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	159 0	1000	00:01.8

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:CVTUAF/OBJ=OBJ\$:CVTUAF MSRC\$:CVTUAF/UPDATE=(ENH\$:CVTUAF)

```

: Size:      1341 code + 3808 data bytes
: Run Time:   00:42.4
: Elapsed Time: 01:30.0
: Lines/CPU Min: 971
: Lexemes/CPU-Min: 39437
    
```


CVTUAF
V04-000

Convert Authorization File

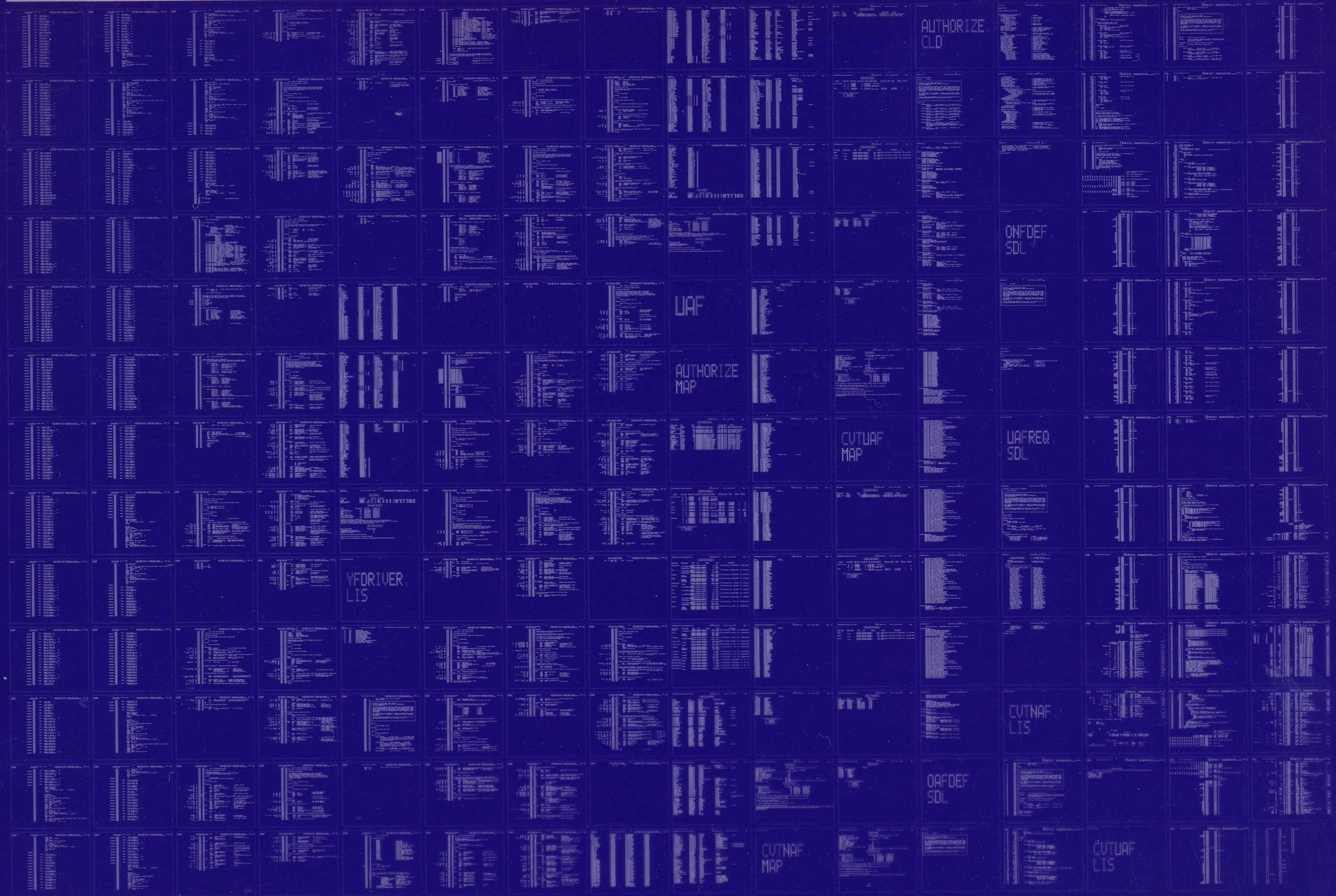
G 1
16-Sep-1984 02:15:10

VAX-11 Bliss-32 V4.0-742

Page 31

RI
VO

: Memory Used: 400 pages
: Compilation Complete



The image displays a grid of 144 small terminal window screenshots, arranged in 12 rows and 12 columns. Each window shows a different view of a system, likely a VAX/VMS environment. The windows contain various types of data and text, including command-line interfaces, data tables, and graphical plots. Some windows are clearly labeled with titles like "RIGHTSMAN LIS" and "DAFMAN LIS". The overall appearance is that of a multi-processor system or a terminal farm, where each window represents a separate user session or process. The text is small and dense, typical of a terminal display from that era.