


```

000000    AAAAAA    FFFFFFFFFF    DDDDDDDD    EEEEEEEEEE    FFFFFFFFFF
000000    AAAAAA    FFFFFFFFFF    DDDDDDDD    EEEEEEEEEE    FFFFFFFFFF
00      00    AA      AA    FF      DD      DD    EE      FF      FF
00      00    AA      AA    FF      DD      DD    EE      FF      FF
00      00    AA      AA    FF      DD      DD    EE      FF      FF
00      00    AA      AA    FF      DD      DD    EE      FF      FF
00      00    AA      AA    FFFFFFFF    DD      DD    EEEEEEEE    FFFFFFFF
00      00    AA      AA    FFFFFFFF    DD      DD    EEEEEEEE    FFFFFFFF
00      00    AAAAAAAAAA    FF      DD      DD    EE      FF      FF
00      00    AAAAAAAAAA    FF      DD      DD    EE      FF      FF
00      00    AA      AA    FF      DD      DD    EE      FF      FF
00      00    AA      AA    FF      DD      DD    EE      FF      FF
000000    AA      AA    FF      DDDDDDDD    EEEEEEEEEE    FF
000000    AA      AA    FF      DDDDDDDD    EEEEEEEEEE    FF

```

```

....
....
....
....

```

```

SSSSSSSS    DDDDDDDD    LL
SSSSSSSS    DDDDDDDD    LL
SS      DD      DD    LL
SS      DD      DD    LL
SS      DD      DD    LL
SS      DD      DD    LL
SSSSSS    DD      DD    LL
SSSSSS    DD      DD    LL
SS      DD      DD    LL
SS      DD      DD    LL
SS      DD      DD    LL
SS      DD      DD    LL
SSSSSSSS    DDDDDDDD    LLLLLLLLLL
SSSSSSSS    DDDDDDDD    LLLLLLLLLL

```



{ Version: 'V04-000'

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```
module $OAFDEF;
```

```
/*  
/* USER AUTHORIZATION FILE FORMAT  
/*--
```

```
aggregate OAFDEF structure prefix OAF$;
```

```
  USERNAME character length 12;
```

```
  PWD_OVERLAY union fill;
```

```
    PWD quadword unsigned;
```

```
    PWD longword unsigned;
```

```
  end PWD_OVERLAY;
```

```
  ACCOUNT character length 8;
```

```
  UIC_OVERLAY union fill;
```

```
    UIC longword unsigned;
```

```
    UIC_FIELDS structure fill;
```

```
      MEM word unsigned;
```

```
      GRP word unsigned;
```

```
    end UIC_FIELDS;
```

```
  end UIC_OVERLAY;
```

```
  DEFDIR character length 32;
```

```
  DEFDEV character length 16;
```

```
  DEFCLI character length 9;
```

```
  ENCRYPT byte unsigned;
```

```
  constant(
```

```
    AD_II
```

```
    , Purdy
```

```
  ) equals 0 increment 1 prefix OAF tag $C;
```

```
  CPUTIM longword unsigned;
```

```
  PRIV quadword unsigned;
```

```
  BIOLM word unsigned;
```

```
  BYTLM word unsigned;
```

```
  DIOLM word unsigned;
```

```
  FILM word unsigned;
```

```
  TQCNT word unsigned;
```

```
  PRCCNT word unsigned;
```

```
  WSQUOTA word unsigned;
```

```
  DFWSCNT word unsigned;
```

```
  ASTLM word unsigned;
```

```
  ENQLM word unsigned;
```

```
  PGFLQUOTA longword unsigned;
```

```
  OWNER character length 32;
```

```
  FILPRT word unsigned;
```

```
  PRI byte unsigned;
```

```
  FLAGS_OVERLAY union fill;
```

```
    FLAGS byte unsigned;
```

```
    FLAGS_BITS structure fill;
```

```
      DISCTLY bitfield;
```

```
      DEFCLI bitfield;
```

```
      LOCKPWD bitfield;
```

```
      CAPTIVE bitfield;
```

```
      DISACNT bitfield;
```

```
      DISWELCOM bitfield;
```

```
      DISMAIL bitfield;
```

```
/* USERNAME
```

```
/* HASHED PASSWORD
```

```
/* 32 BIT SUBFIELD
```

```
/* ACCOUNT NAME
```

```
/* USER ID CODE
```

```
/* MEMBER SUBFIELD
```

```
/* GROUP SUBFIELD
```

```
/* DEFAULT DIRECTORY (counted string)
```

```
/* DEFAULT DEVICE (counted string)
```

```
/* DEFAULT COMMAND INTERPRETER
```

```
/* ENCRYPTION ALGORITHM
```

```
/* ENCRYPTION CODES
```

```
/* AUTODIN-11 32 BIT CRC CODE
```

```
/* Purdy POLYNOMIAL OVER SALTED INPUT
```

```
/* CPU TIME QUOTA
```

```
/* PROCESS PRIVILEGE VECTOR
```

```
/* BUFFERED I/O LIMIT
```

```
/* BUFFERED I/O BYTE COUNT LIMIT
```

```
/* DIRECT I/O LIMIT
```

```
/* OPEN FILE LIMIT
```

```
/* TIMER QUEUE ENTRY LIMIT
```

```
/* SUBPROCESS CREATION LIMIT
```

```
/* WORKING SET SIZE QUOTA
```

```
/* DEFAULT WORKING SET SIZE
```

```
/* AST QUEUE LIMIT
```

```
/* ENQUEUE LIMIT
```

```
/* PAGE FILE QUOTA
```

```
/* OWNER'S NAME
```

```
/* DEFAULT FILE PROTECTION
```

```
/* BASE PROCESS PRIORITY
```

```
/* USER FLAGS BYTE
```

```
/* DON'T ALLOW USER CONTROL-Y
```

```
/* ONLY ALLOW USER DEFAULT CLI
```

```
/* DISABLE SET PASSWORD COMMAND
```

```
/* NO OVERRIDES ALLOWED ON LOGIN-EG /DISK
```

```
/* DON'T ALLOW INTERACTIVE LOGIN
```

```
/* FLAG TO ALLOW LOGIN TO SKIP WELCOME
```

```
/* FLAG TO ALLOW LOGIN TO SKIP NEW MAIL
```

```

end FLAGS BITS;
end FLAGS_OVERLAY;
LEVEL longword unsigned; /* FOR RECORD AND FILE LEVEL INFO
LGICMD character length 32; /* LOGIN COMMAND FILE (counted string)
MAIL word unsigned; /* LOWEST VERSION OF NEW MAIL.TXT
PBYTLM longword unsigned; /* PAGED BUFFER I/O BYTE COUNT LIMIT
SHRFILLM word unsigned; /* SHARED FILE LIMIT
USRDATOFF word unsigned; /* OFFSET OF COUNTED STRING OF USER DATA
SALT word unsigned; /* RANDOM PASSWORD SALT
WSEXTENT word unsigned; /* WORKING SET SIZE LIMIT
PDAYHOURS_OVERLAY union fill;
  PDAYHOURS longword unsigned; /* FIELD DESCRIBING PRIMARY DAY ACCESS
  /* HOURS, FROM 0:00 TO 23:00
  PDAYHOURS_FIELDS structure fill;
    FILL 7 byte dimension 3 fill prefix OAFDEF tag $$;
    PDAYFLAGS_OVERLAY union fill;
      PDAYFLAGS byte unsigned; /* FLAGS ASSOCIATED WITH PRIMARY DAYS
      PDAYFLAGS BITS structure fill;
        DISDIALUP bitfield; /* SET DISALLOWS DIAL-IN USE OF ACCOUNT
        DISNETWORK bitfield; /* SET DISALLOWS NETWORK USE OF ACCOUNT
      end PDAYFLAGS BITS;
    end PDAYFLAGS_OVERLAY;
  end PDAYHOURS_FIELDS;
end PDAYHOURS_OVERLAY;
SDAYHOURS_OVERLAY union fill;
  SDAYHOURS longword unsigned; /* FIELD DESCRIBING SECONDARY DAY ACCESS
  /* HOURS, 0:00 TO 23:00
  SDAYHOURS_FIELDS structure fill;
    FILL 8 byte dimension 3 fill prefix OAFDEF tag $$;
    SDAYFLAGS byte unsigned; /* FLAGS ASSOCIATED WITH SECONDARY DAY
    /* USAGE: SEE PDAYFLAGS
  end SDAYHOURS_FIELDS;
end SDAYHOURS_OVERLAY;
MAXPROC byte unsigned; /* MAXIMUM PROCESSES FOR UIC ALLOWED
/* 0 MEANS NO LIMIT
MAXGRPROC byte unsigned; /* MAXIMUM PROCESSES FOR GROUP ALLOWED
/* 0 MEANS NO LIMIT
PRIMEDAYS_OVERLAY union fill;
  PRIMEDAYS byte unsigned; /* BITS REPRESENTING PRIMARY DAYS
  PRIMEDAYS BITS structure fill;
    MONDAY bitfield; /* BIT CLEAR MEANS THIS IS A PRIMARY DAY
    TUESDAY bitfield; /* BIT SET MEANS THIS IS AN OFF DAY
    WEDNESDAY bitfield;
    THURSDAY bitfield;
    FRIDAY bitfield;
    SATURDAY bitfield;
    SUNDAY bitfield;
  end PRIMEDAYS BITS;
end PRIMEDAYS_OVERLAY;
MAXDETACH byte unsigned; /* MAXIMUM DETACHED PROCESSES FOR UIC
/* 0 MEANS NO LIMIT
BYTLM longword unsigned; /* BUFFERED I/O BYTE COUNT LIMIT
/* (longword)
CLITABLES character length 32; /* USER CLI TABLES
QUEPRI byte unsigned; /* Maximum job queuing priority
JTQUOTA longword unsigned; /* Job-wide Logical Name Table Creation Quota

```


