





LOGINOUT data structure definitions

IDENT 'V04-000'

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++ FACILITY: Command language interpreter

ABSTRACT:

These are the structure definitions used by LOGIN

ENVIRONMENT:

VAX/VMS operating system.

AUTHOR: Tim Halvorsen, March 1981

Modified by:

- V03-005 PCG0001 Peter George 07-Sep-1983  
Add INPCCL and OUTCCL bits.
- V03-004 GAS0096 Gerry Smith 9-Mar-1983  
Add the PPD\$V\_RESTART bit, as well as space  
for the name of the original SYSSINPUT.
- V03-003 GAS0095 Gerry Smith 22-Nov-1982  
Add PPD\$V\_CONTINUE and PPD\$V\_CAPTIVE.

V03-002 GAS0085 Gerry Smith 11-Aug-1982  
Change order of FID and DID fields.

V001 TMH0001 Tim Halvorsen 27-Oct-1981  
Break into two structures, one for LOGIN-CLI communication,  
and one for LOGIN-LOGOUT communication.

Define LOGIN <--> CLI <--> LOGOUT communication region

This structure is based at CTL\$AG\_CLIDATA. It contains all cells which are used by both LOGINOUT and the CLI.

Do NOT define LOGINOUT private storage here. Any cells which are strictly local to LOGIN and LOGOUT are defined in LGI.

These cells MUST be maintained constant from release to release, or else all CLIs will have to be re-assembled.

In addition to the following data items, the following logical names are also passed from LOGIN to the CLI initialization code:

```

PROC1-8          ; Procedures to initially execute
P1-8             ; Initial parameters for batch jobs
SYSS$INPUT       ; Primary input stream (PPF)
SYSS$OUTPUT      ; Primary output stream (PPF)
SYSS$ERROR       ; Primary error stream (PPF)
SYSS$COMMAND     ; Command terminal (PPF)

$STRUCT PPD
F      SIZE,W      ; Actual size of structure
F      FLAGS,W     ; Flags
V      <M
        NOCTLY     ; Initially disable CTRL/Y in CLI
        MODE       ; 1 if network, batch, or detached
                ; 0 if subprocess or interactive
        CONTINUE   ; Used by DCL for context in batch
        CAPTIVE    ; 1 if captive, 0 if not
        RESTART    ; 1 if a restart, 0 otherwise
        INPCL      ; 1 if input is concealed
        OUTCL      ; 1 if output is concealed
        >
F      CLIREG,Q    ; Descriptor of CLI private data storage
                ; (approximately 2-3 pages or so)
S      PRC,4,L     ; Address of CLI private data storage
F      CLISYMTBL,Q ; Descriptor of symbol table storage
                ; (size from SYSGEN param CLISYMTBL)
F      LGI,L       ; Address of LOGINOUT private storage
F      LSTSTATUS   ; Final status code from CLI to LOGOUT
F      NPROCS,B    ; Number of procedures to initially
                ; execute (names in lognames PROC1-N)
F      B
F      INPCHAN,W   ; Channel to SYSS$INPUT (used to $CANCEL
                ; outstanding I/O)
F      INPIFI,W    ; SYSS$INPUT IFI
F      INPISI,W    ; SYSS$INPUT ISI
F      OUTIFI,W    ; SYSS$OUTPUT IFI
F      OUTISI,W    ; SYSS$OUTPUT ISI
C      DVIFID,28   ; Length of DVI/DID/FID block
F      INPDVI,T,16 ; SYSS$INPUT ASCII device name

```



