

IIIIIIIIII	NNN	NNN	SSSSSSSSSSSS	TTTTTTTTTTTTTTTT	AAAAAAAAA	LLL	
IIIIIIIIII	NNN	NNN	SSSSSSSSSSSS	TTTTTTTTTTTTTTTT	AAAAAAAAA	LLL	
IIIIIIIIII	NNN	NNN	SSSSSSSSSSSS	TTTTTTTTTTTTTTTT	AAAAAAAAA	LLL	
III	NNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNNNNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNNNNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNNNNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLL
IIIIIIIIII	NNN	NNN	SSSSSSSSSSSS	TTT	AAA	AAA	LLLLLLLLLLLLLLLL
IIIIIIIIII	NNN	NNN	SSSSSSSSSSSS	TTT	AAA	AAA	LLLLLLLLLLLLLLLL
IIIIIIIIII	NNN	NNN	SSSSSSSSSSSS	TTT	AAA	AAA	LLLLLLLLLLLLLLLL

V  
80  
80  
80  
80  
80  
80  
80



Require file for INSTALL

Version: 'V04-000'

```

*****
*
* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
* ALL RIGHTS RESERVED.
*
* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
* TRANSFERRED.
*
* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
* CORPORATION.
*
* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
*
*****

```

+++

FACILITY: Install

ABSTRACT: The INSTALL utility makes image files known to the VMS operating system

ENVIRONMENT: VAX native, user and kernel mode

AUTHOR: Bob Grosso

CREATION DATE: June 1981

MODIFIED BY:

- |         |   |                |             |
|---------|---|----------------|-------------|
| V03-004 | BLS0256<br>Clean up pass.                       | Benn Schreiber | 27-Dec-1983 |
| V03-003 | RPG0003<br>Add macro to set IPL.                | Bob Grosso     | 06-Sep-1983 |
| V03-002 | RPG0002<br>Add lock status block offset macros. | Bob Grosso     | 21-Jun-1983 |
| V02-001 | RPG0001<br>Use shared message openin.           | Bob Grosso     | 28-Dec-1981 |

---

```

: Define VMS block structures

```

```

STRUCTURE
  BBLOCK [O, P, S, E; N] =
    [N]
    (BBLOCK + 0) <P, S, E>;

```

```

: Useful macros

```

```

MACRO

```

```

: Macro to generate a pointer to a counted string

```

```

  CSTRING (STRING) = UPLIT BYTE (%CHARCOUNT (STRING), STRING)%,

```

```

: Macro to execute a given sequence of commands and return if any error

```

```

  execute (command, errorcode) =
    BEGIN
    LOCAL
      status;
    status = command;
    IF NOT .status                ! if an error is detected
    THEN
      %IF %LENGTH GTR 1          ! If errorcode argument is present
      %THEN SIGNAL (errorcode, %REMAINING, .status);
      %ELSE RETURN .status;      ! Return with error status
      %FI
    END%,

```

```

: Macro to execute a given sequence of commands and signal if any error

```

```

  report (command) =
    BEGIN
    LOCAL
      status;
    status = command;
    IF NOT .status                ! if an error is detected
    THEN
      SIGNAL (.status);
    END%;

```

```

: Set processor IPL

```

Andy Goldstein

```

MACRO

```

```

  SET_IPL (LEVEL) =
    BEGIN
    BUILTIN MTPR;
    MTPR (%REF (LEVEL), PR$_IPL)
    END
    %;

```

```

LITERAL
  TRUE = 1, ! Boolean TRUE

```

INSPREFIX.REQ;1

16-SEP-1984 16:51:03.30<sup>4.12</sup> Page 3

FALSE = 0; ! Boolean FALSE

I  
V  
:  
:  
:  
:  
:  
:

5

4

```
LITERAL
  INSSC_GBLNAMLEN = 39 + 4;           ! Length of global section name plus suffix "_nnn"
```

```
MACRO
  LK$W_STATUS = 0, 0, 16, 0%;
  LK$W_SPARE = 0, 16, 16, 0%;
  LK$L_LOCKID = 0, 32, 32, 0%;
```

```
MACRO
  DYN_DESC_DECL =
    BLOCK[8, BYTE] PRESET ([DSC$B_CLASS] = DSC$K_CLASS_D,
                          [DSC$B_DTYPE] = DSC$K_DTYPE_T);
```

```
MACRO
  INIT_DDESC(D) =                       ! Init dynamic string descriptor
    BEGIN
      D[DSC$W_LENGTH] = 0;
      D[DSC$B_CLASS] = DSC$K_CLASS_D;
      D[DSC$B_DTYPE] = DSC$K_DTYPE_T;
      D[DSC$A_POINTER] = 0;
    END%,
  INIT_SDESC(D) =                       !Init static string descriptor
    BEGIN
      D[DSC$W_LENGTH] = 0;
      D[DSC$B_CLASS] = 0;
      D[DSC$B_DTYPE] = 0;
      D[DSC$A_POINTER] = 0;
    END%;
```

