

NNN		NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFFFFFFFFFFFFF
NNN		NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFFFFFFFFFFFFF
NNN		NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFFFFFFFFFFFFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNNNNN		NNN	III	CCC	NNNNNN	NNN	FFF
NNNNNN		NNN	III	CCC	NNNNNN	NNN	FFF
NNNNNN		NNN	III	CCC	NNNNNN	NNN	FFF
NNN	NNN	NNN	III	CCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	NNN	III	CCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	NNN	III	CCC	NNN	NNN	FFFFFFFFFFFFFF
NNN		NNNNNN	III	CCC	NNN	NNNNNN	FFF
NNN		NNNNNN	III	CCC	NNN	NNNNNN	FFF
NNN		NNNNNN	III	CCC	NNN	NNNNNN	FFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNN		NNN	III	CCC	NNN	NNN	FFF
NNN		NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFF
NNN		NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFF
NNN		NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFF

```

CCCCCCCC NN    NN  FFFFFFFF PPPPPPP RRRRRRRR EEEEEEEEE FFFFFFFF IIIIII XX    XX
CCCCCCCC NN    NN  FFFFFFFF PPPPPPP RRRRRRRR EEEEEEEEE FFFFFFFF IIIIII XX    XX
CC        NN    NN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NN    NN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NNNN   NN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NNNN   NN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NN  NN  NN  FFFFFFFF PPPPPPP RRRRRRRR EEEEEEEEE FFFFFFFF IIIIII XX    XX
CC        NN  NN  NN  FFFFFFFF PPPPPPP RRRRRRRR EEEEEEEEE FFFFFFFF IIIIII XX    XX
CC        NN    NNNN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NN    NNNN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NN    NN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CC        NN    NN  FF          PP      PP  RR      RR  EE          FF          II      XX    XX
CCCCCCCC NN    NN  FF          PP      PP  RR      RR  EEEEEEEEE FFFFFFFF IIIIII XX    XX
CCCCCCCC NN    NN  FF          PP      PP  RR      RR  EEEEEEEEE FFFFFFFF IIIIII XX    XX

```

```

RRRRRRRR EEEEEEEEE QQQQQQ
RRRRRRRR EEEEEEEEE QQQQQQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RRRRRRRR EEEEEEEEE QQ      QQ
RRRRRRRR EEEEEEEEE QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EEEEEEEEE QQQQ  QQ
RR      RR  EEEEEEEEE QQQQ  QQ

```

CN  
VO  
:



Require file for CNF

Version: 'V04-000'

```

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```

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FACILITY: CNF

ABSTRACT: The NICONFIG utility maintains a data base of the node configuration on the Ethernet and returns information when queried.

ENVIRONMENT: VAX native, user mode

AUTHOR: Bob Grosso

CREATION DATE: October 1982

MODIFIED BY:

---

```
Define useful macros
```

```
MACRO
```

```
Macro to generate a pointer to a counted string
```

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

```
Macro to describe a string
```

```
STRINGDESC (STRING) = %CHARCOUNT (STRING), UPLIT (%ASCII STRING)%,
```

```
Macro to generate a quadword string descriptor
```

```
DESCRIPTOR (STRING) = BBLOCK [DSC$C_S_BLN] INITIAL (STRINGDESC (STRING))%,
```

```
Macro to generate a counted string
```

```
COUNTEDSTRING(STRING) = VECTOR [%CHARCOUNT (STRING)+1, BYTE] INITIAL (BYTE(%CHARCOUNT(STRING),%ASCII STRING ))%,
```

```
Macro to execute a procedure and report any error
```

```
execute (command, errorcode) =
```

```
  BEGIN
```

```
  LOCAL
```

```
    status;
```

```
  status = command;
```

```
  IF NOT .status
```

```
    ! If error detected,
```

```
  THEN
```

```
    %IF %LENGTH GTR 1
```

```
      ! If errorcode arg is present
```

```
    %THEN
```

```
      SIGNAL (errorcode, %REMAINING, .status);
```

```
    %ELSE
```

```
      RETURN .status;
```

```
      ! then return with error
```

```
    %FI
```

```
  END%;
```

```
Define VMS block structures
```

```
STRUCTURE
```

```
  BBLOCK [O, P, S, E; N] =
```

```
    [N]
```

```
    (BBLOCK + O) <P, S, E>;
```

```
LITERAL
```

```
  TRUE
```

```
    =
```

```
    1;
```

```
    ! Boolean TRUE
```

```
  FALSE
```

```
    =
```

```
    0;
```

```
    ! Boolean FALSE
```



