

Installing the Natural Net Data Interface

The Natural Net Data Interface NATNETTO supports the EntireX CICS 3270 Bridge and similar client/server solutions in message-oriented server environments, i.e. TP monitors.

The following topics are covered:

- Device Configuration in NATCONFIG
 - Installation Procedure under OS/390
 - Installation Procedure under VSE
 - Installation Procedure under BS2000/OSD
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Device Configuration in NATCONFIG

Logical net data devices are configured with the flag byte IONET, all other flag and value settings must be made as in the sample definition given below. The module entry is VCNETTO, additional device entries must be specified with WXTRN=OFF. The settings of FLAG1, FLAG2 and RTAL must be according to the example below.

If the delimited mode is set, the delimiter character which separates the fields in the value buffer can be set via cmbel.

IONET Settings

IONET	DS	XL1	NETDATA CONTROL FLAG
NECUFNR	EQU	X'01'1	CURSOR POSITION = FIELDNR
NEMSG	EQU	X'02'1	SEND MESSAGE LINE (if not set, message line will be skipped)
NEABO	EQU	X'04'1	ATTRIBUTE BUFFER OPTION
NEFBO	EQU	X'08' 1	FORMAT BUFFER OPTION
NEFLG	EQU	X'10' ...1 ...	FIELD LENGTH OPTION
NEDLM	EQU	X'20' ..1.	DATA DELIMITED OPTION
NEFIX	EQU	X'40' .1.	FIXED FORMAT OPTION
NEFBOPT	EQU	X'80' 1...	EXTENDED FORMAT BUFF. OPT.

NATCONFIG, as delivered with Natural Version 3.1.3, already has a device entry for NATNETTO. The TTYPE is "NETF". The potocol options are set as follows:

- Value buffer structure is fixed (without delimitation between the fields).
- Format buffer exetended format buffer and attribute buffer options are set.
- The cursor position is in field number notation.

Message line and pf-key line are suplesed

Example:

```
NTDVCE TYP=NETF, NAME=NETTF, ENTRY=VCNETTO, MSG=BOT,           HS06-
      FLAG1=CMNIXD, FLAG2=CMTNOPT, RTAL=255,                   HS07-
      FLAGS=( IONET, -, CO, IONET, +, NEFIX+NEFBO+NEABO+NECUFNR+NEFB-
      OPTE, WINDTITI, +, PFKNDISP)                               HS06
```

Installation Procedure under OS/390

To install the Natural Net Data Interface under OS/390, adapt the following link step for Natural.

- Add the following INCLUDE instruction and the corresponding DD-statements in the link instructions for the linkage editor:

```
INCLUDE NATLIB(NATNETTO)
```

Installation Procedure under VSE

To install the Natural Net Data Interface under VSE, adapt the following link step for Natural.

- Add the following INCLUDE instruction in the search chain for the linkage-editor:

```
INCLUDE NATNETTO
```

Installation Procedure under BS2000/OSD

To install the Natural Net Data Interface under BS2000/OSD, adapt the following link steps for Natural.

- Add the following INCLUDE instruction to the element LNATSHAR in LIB.NAT nnn :

```
INCLUDE NATNETTO , NAT $nnn$ .MOD
```

- Relink your Natural shared nucleus with procedure P.LINKMOD in LIB.NAT nnn