

# 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, that is, TP monitors.

The following topics are covered:

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

**Notation vrs or vr:** If used in the following document, the notation *vrs* or *vr* stands for the relevant version, release, system maintenance level numbers. For further information on product versions, see Version in the *Glossary*.

## 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	XLL	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
NEFBOPTE	EQU	X'80' 1... ....	EXTENDED FORMAT BUFF. OPT.

NATCONFIG already has a device entry for NATNETTO.

The TTYPE is NETF. The protocol options are set as follows:

- Value buffer structure is fixed (without delimitation between the fields).

- Format buffer extended format buffer and attribute buffer options are set.
- The cursor position is in field number notation.

Message line and PF-key line are suppressed

### 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 z/OS

 To install the Natural Net Data Interface under z/OS, 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 z/VSE

 To install the Natural Net Data Interface under z/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.

1. Add the following `INCLUDE` instruction to the element `LNATSHAR` in `LIB.NATvrs`:

```
INCLUDE NATNETTO ,NATvrs .MOD
```

2. Relink your Natural shared nucleus with procedure `P.LINKMOD` in `LIB.NATvrs`