Installing the Natural Web I/O Interface Server CICS Adapter under SMARTS on z/VSE

This chapter describes how to install the CICS connection for a Natural Web I/O Interface server (product code NWO) running under SMARTS on z/VSE.

The following topics are covered:

- Prerequisites

- Installation Procedure

Prerequisites

For details, refer to the section *Prerequisites*.

Installation Procedure

To install the Natural Web I/O Interface Server CICS Adapter, perform the following steps:

Step 1: Customize CICS

(Job I005, Step 9405)

The Natural Web I/O Interface server sublibrary must be defined in the CICS Libdef search chain.

Customize the standard listener `EZAL` of the CICS socket interface using the CICS transaction `EZAC` and define `NATUXRFE` in the `SECEXIT` field of `EZAL`.

As of z/VSE Version 4.1, the CICS *task related user exit* must be active (transaction `EZAT`).

Start the standard listener using the CICS transaction `EZAO`.

The following CICS resource definitions are required:

1. Define the CICS transaction for the remote front-end. This transaction name is an arbitrary name which must be defined in the NWO configuration parameter `RFE_CICS_TA_NAME`. This document uses the transaction name `NRFE`.

   ```
   DEFINE TRANSACTION(NRFE) GROUP(NWOgroup)
           PROGRAM(NATCNRFE)
           TWASIZE(128)
           RESART(NO)
           TASKDATAKEY(USER)
           TASKDATALOC(ANY)
   ```

2. Define the programs `NATCNRFE` and `NATLRGWO`.

```
DEFINE PROGRAM(NATCNRFE) GROUP(NWOgroup)
       LANGUAGE(C) DATALOCATION(ANY) EXECKEY(USER)
*
DEFINE PROGRAM(NATLRGWO) GROUP(NWOgroup)
       LANGUAGE(C) DATALOCATION(ANY) EXECKEY(USER)
```

Note:
If CICS runs with storage protection, `NATCNRFE` must be defined with `EXECKEY=(CICS)`.

Step 2 : Customize the Natural Web I/O Interface Server

In order to dispatch the NWO Natural sessions in CICS, you must adapt the configuration file of your Natural Web I/O Interface server running under SMARTS on z/VSE. For this purpose, one sample JCL member (SMAI009 Step 9410) is available.

Refer to *Configuring the Natural Web I/O Interface Server CICS Adapter* and to *Configuring the Natural Web I/O Interface Server*.

Step 3: Link the object modules into the NWO load library

(Job I054, Step 9420)

The NWO object modules must be linked with the necessary runtime extensions of your CICS installations into executable load modules.