

Installing the Natural Development Server

This document describes how to install a Natural Development Server (product code: NDV) under the runtime environment SMARTS on BS2000/OSD.

The following topics are covered:

- Prerequisites
- Content of the Development Server Distribution Tape
- Installation Procedure

Prerequisites

For details, refer to the section Prerequisites.

Content of the Development Server Distribution Tape

The installation tape contains the datasets listed in the table below. The sequence of the datasets and the number of library blocks needed are shown in the **Report of Tape Creation** which accompanies the installation tape.

Dataset Name	Contents
APSnnn.???	Contains the load modules of the SMARTS Server.
NDVnnn.???	Contains the load modules of the development server. See Natural Development Server on Mainframes.
NDVnnn.???	Contains Installation Job Control for customers who install without using System Maintenance Aid.
NDVnnn.DE11	Contains instructions for deleting NDV Version 1.1 modules not used in NDV Version 2.1.
NDVnnn.INPL	Contains the transaction processor. See Natural Development Server on Mainframes.
NDVnnn.ERRN	Contains the error messages of the transaction processor.
NDVnnn.SYSF	Contains the FDT of the Development Server File (the layout is identical with PRDnnn.SYSF provided with a Predict version as specified under Natural and Other Software AG Products in the current Natural Release Notes).
NAT31601.LIBR	NDV requires the module NATGWSTG in the Natural load library. Since this module has not been delivered with Natural Version 3.1.6 for Mainframes, this correction library containing this module was provided. Future system maintenance (SM) levels and versions of Natural will already include the module NATGWSTG.

The notation *nnn* in dataset names represents the version number of the product.

Installation Procedure

To install the Natural Development Server in the SMARTS environment, perform the following steps:

Copying the Tape Contents to Disk

If you are not using SMA, use the procedure described below. In this procedure, the values specified below must be supplied.

To copy the datasets from tape to disk, perform the following steps:

1. Copy the Library SRVnnn.LIB from Tape to Disk

This step is not necessary if you have already copied the library SRVnnn.LIB from another Software AG tape. For more information, refer to the element #READ-ME in this library.

The library SRVnnn.LIB is stored on the tape as the sequential file SRVnnn.LIBS containing LMS commands. The current version *nnn* can be obtained from the **Report of Tape Creation**. To convert this sequential file into an LMS-library, execute the following commands:

```
/IMPORT-FILE  SUPPORT=*TAPE(FILE-NAME=SRVnnn.LIBS, -
/  VOLUME=<volser>, DEV-TYPE=<tape-device>)
/ADD-FILE-LINK LINK-NAME=EDTSAM, FILE-NAME=SRVnnn.LIBS, -
/  SUPPORT=*TAPE(FILE-SEQ=3), ACC-METH=*BY-CAT, -
/  BUF-LEN=*BY-CAT, REC-FORM=*BY-CAT, REC-SIZE=*BY-CAT
/START-EDT
@READ  '/'
@SYSTEM 'REMOVE-FILE-LINK  EDTSAM'
@SYSTEM 'EXPORT-FILE  FILE-NAME=SRVnnn.LIBS'
@WRITE  'SRVnnn.LIBS'
@HALT
/ASS-SYSDTA  SRVnnn.LIBS
/MOD-JOB-SW  ON=1
/START-PROG  $LMS
/MOD-JOB-SW  OFF=1
/ASS-SYSDTA  *PRIMARY
```

Where:

<tape-device> is the device-type of the tape, e.g. TAPE-C4

<volser> is the VOLSER of the tape (see **Report of Tape Creation**)

2. Copy the Procedure COPY.PROC from Tape to Disk

To copy the procedure COPY.PROC to disk, call the procedure P.COPYTAPE in the library SRVnnn.LIB:

```
/CALL-PROCEDURE  (SRVnnn.LIB,P.COPYTAPE), -
/  (VSNT=<volser>, DEVT=<tape-device>)
```

If you use a TAPE-C4 device, you may omit the parameter DEVT.

3. Copy all Product Files from Tape to Disk

To copy all Software AG product files from tape to disk, enter the procedure COPY.PROC:

```
/ENTER-PROCEDURE  COPY.PROC, DEVT=<tape-device>
```

If you use a TAPE-C4 device, you may omit the parameter DEVT. The result of this procedure is written to the file 'L.REPORT.SRV'.