

# First-Time Installation

This section covers the following topics:

- Installing under VM/CMS
- Installing under BS2000, OS/390 or VSE/ESA with SMA
- Installation Steps for All Operating Systems

## Installing under VM/CMS

- Read the file INSTALL.README.
- Copy the tape contents to disk as described in the section General Information for VM/CMS
- Perform the Installation Steps described below for all operating systems.

## Installing under BS2000, OS/390 or VSE/ESA with SMA

1. Set the SMA switches as shown in the table below.

SMA Switch	
PRD-FIRST-INSTALL	Y
PRD-CONVERSION	N

**Note:**

Leaving a field blank is the equivalent of entering N.

2. Copy the tape contents to disk.  
The steps required depend on your operating system environment and are described in the section **Copying the Tape Contents to Disk** for
  - BS2000/OSD
  - OS/390
  - VSE/ESA
3. Perform the following installation steps.

## Installation Steps for All Operating Systems

**Note:**

If the last Predict version installed in your environment was Version 3.4 or below, delete all modules no longer used by Predict since Version 4.1 with dataset PRD43n.DE41 using the Natural utility INPL (Job I051, Step 0614).

If the last Predict version installed in your environment was Version 4.1 or below, delete all modules no longer used by Predict since Version 4.2 with dataset PRD43n.DE42 using the Natural utility INPL (Job I051, Step 0614).

### Step 1 - Load Predict System File

(Job I050, Step 0600)

Load the Predict 4.3 system file contained in dataset PRD43n.SYSF using the Adabas utility ADALOD.

## ▶ **Step 2 - Load Coordinator FDIC**

(Job I050, Step 0601)

Load the Coordinator FDIC contained in dataset PRD43n.SYSF using the Adabas utility ADALOD.

## ▶ **Step 3 - Load Predict System Programs**

(Job I061, Step 0600)

The Predict system programs are contained in the dataset PRD43n.INPL and are loaded to your Natural system file (FNAT) using the Natural utility INPL. This dataset also contains the Predict error messages.

## ▶ **Step 4- Define the Predict Libraries to Natural Security manually**

If Natural Security is installed, define the following libraries to Natural Security:

SYSDIC, SYSDICBE, SYSDICCO, SYSDICH, SYSDICMA

This step must be performed manually.

## ▶ **Step 5 - Copy DDMs from Natural system file FNAT to the Predict system file FDIC**

(Job I200, Step 0600)

If you were previously using Natural without Predict, the DDMs were stored on the Natural system file. With Predict, the DDMs are stored on the Predict system file.

## ▶ **Step 6 - Relink your Natural Nucleus**

(Job I060 for Batch Mode or Job I080 for Online Operation)

Predict requires the following Natural parameter settings:

### **Note:**

The size parameters are recommendations only. It may be necessary to adapt these values to your particular environment.

### **Note:**

Setting BPSFI to ON may cause a NAT0933, because programs with identical names are contained in different libraries starting with the prefix SYSDIC. You are recommended to set BPSFI=OFF.

- DATSIZE must be at least 250.
- SSIZE=64
- RI=OFF
- If you are using work files, you are recommended to specify WORK=(...,OPEN=ACC) instead of using the Natural default
- If Predict XRef data is to be used:  
set the XREF parameter to ON or FORCE.

Adapt your Natural parameter module with the new parameters and assemble it.

Link the new Natural parameter module and the following modules to the environment-independent part of the Natural nucleus:

### **Natural Version 3.1**

Natural Version	Operating System	Module	Load Library
3.1	BS2000/OSD	PRDXREF	NAT31n.MOD
3.1	VM/CMS	PRDXREF	NAT31n.TAPE
3.1	OS/390	PRDXREF	NAT31n.LOAD
3.1	VSE/ESA	PRDXREF	NAT31n.LIBR

#### Natural Version 4.1

Natural Version	Operating System	Module	Load Library
4.1	BS2000/OSD	PRDXREF	NAT41n.MOD
4.1	VM/CMS	PRDXREF	NAT41n.TAPE
4.1	OS/390	PRDXREF	NAT41n.LOAD
4.1	VSE/ESA	PRDXREF	NAT41n.LIBR

For details, see the **Natural Installation Guide for Mainframes** and the **Natural Operations for Mainframes documentation**.

### ▶ Step 7- Define Coordinator FDIC in new SYSDIC

(Job I200, Step 0601)

To set up your environment so you can use the Coordinator, start a Predict 4.3 online session (using the newly installed FDIC file) and perform the following:

```
LOGON SYSDIC
MENU
ASSIGN
COORDINATOR DBNR=n FNR=n UTILITY-CLEAR=Y
FIN
```

Where *n* represents the DBNR and FNR of the Coordinator FDIC you specified in Step 2.

### ▶ Step 8 - Load the Predict Description of the Predict System File

(Job I500, Step 0605)

This step is optional. Please note that, due to the number of checks performed by the Coordinator when loading this dataset, this step may take a long time.

The installation dataset PRD43n.DATA contains a description of the Predict 4.3 system file in Migrate 4.3 format. Load the description into the Predict system file with the Predict Coordinator.

#### Note:

No support is guaranteed if you manipulate the Predict system file with your own programs.

The following syntax is used:

```
LOGON SYSDICBE
MENU
LOAD OBJECTTYPE ALL,REPLACE=Y,ADA=N
FIN
```

If a previous import operation with the Coordinator terminated abnormally for any reason, the Coordinator FDIC is locked and a corresponding message is given. Enter the following commands to clear the Coordinator FDIC:

```
LOGON SYSDIC
MENU
SPECIAL REFRESH
FIN
```

### **Step 9 - Load the Predict Example Data**

(Job I500, Step 0606)

This step is optional. Please note that, due to the number of checks performed by the Coordinator when loading this dataset, this step may take a long time.

The installation dataset PRD43n.DEMO contains the example data in Migrate 4.3 format. Load the description into the Predict system file with the Predict Coordinator. The following syntax is used:

```
LOGON SYSDICBE
MENU
LOAD OBJECTTYPE ALL,REPLACE=Y,ADA=N
FIN
```

If a previous import operation with the Coordinator terminated abnormally for any reason, the Coordinator FDIC is locked and a corresponding message is returned. Enter the following commands to clear the Coordinator FDIC:

```
LOGON SYSDIC
MENU
SPECIAL REFRESH
FIN
```

### **Step 10 - Install Natural Construct Interface**

(Job I061, Step 1320)

If you are working with Natural Construct Version 4.4.n, use the Natural INPL utility to install the interfaces of Natural Construct using dataset CST441.CP43 as input.

If you are working with Natural Construct Version 4.5.n, use the Natural INPL utility to install the interfaces of Natural Construct using dataset CST451.CP43 as input.

Your first-time installation is now complete.