

Installation Prerequisites

This section contains general information on the prerequisites needed before installing and setting up Predict on a UNIX platform.

The information contained in this section is independent of hardware type and platform.

This section covers the following topics:

- Important Notices
- Installation Package
- Space Requirements
- Product Requirements
- Other Related Software AG Products
 - Entire Net-Work
 - Accessing the Dictionary Server with Natural for Windows
- Using Predict in Heterogeneous Environments
- Which Installation Method?
 - First-Time Installation
 - Upgrading to a new Version of Predict with Inplace Conversion
 - Upgrading from Version 3.4 of Predict
 - Considerations Prior to Upgrading to Version 4.2

Product-specific installation, configuration and installation verification procedures are described in the section Setup and Installation of Predict on UNIX.

Important Notices



For users of Predict Version 3.4 with Natural Version 4.1:

If you are using Predict Version 3.4 with Natural Version 4.1 and want to migrate to a newer version, it is necessary to perform the following actions in the order given below:

1. Perform a Predict Unload operation using Predict Version 3.4 under Natural Version 4.1.
2. Install Natural Version 5.1.
3. Install Predict Version 4.2.
4. Perform a Predict Load operation using Predict Version 4.2.

Note:

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

Installation Package

The installation package containing Software AG products is available on ISO 9660 CD-ROM in **cpio** format.

Space Requirements

- For the Natural programs, you require approximately 48 MB of disk space, plus an additional 66 MB of disk space for the installation.
- For the database, you require the following:

FDIC	
ASSO	1188 blocks (2kB)
DATA	1000 blocks (4kB)
Coordinator FDIC	
ASSO	1188 blocks (2kB)
DATA	1000 blocks (4kB)

Note:
 WORK must be at least 20 MB.

Product Requirements

The products listed below must be installed in order to use Predict 4.2.

Product Name (Product ID)	Requirements
Natural (NAT)	<p>Natural 5.1.1 Patch Level 2 or above.</p> <p>The following parameter settings are recommended during the installation of Predict 4.2:</p> <ul style="list-style-type: none"> ● MADIO=0 ● MAXCL=0 ● MT=0 ● RI=OFF ● WORK: Workfile 1 must be specified in portable format. <p>The Natural buffer pool must be available.</p> <p>For information on the recommended Natural parameter settings after a successful Predict installation see Natural Parameters in the section Preparing your Natural/Adabas Environment for Working with Predict.</p>
Adabas (ADA)	<p>Adabas 3.1.1.24 or above.</p> <p>The following Adabas parameter should be set during the installation of Predict 4.2:</p> <ul style="list-style-type: none"> ● LWP = 100000 or greater ● OPTIONS: The option TRUNCATION must be set. <p>For information on the recommended Adabas parameter settings after a successful Predict installation see Adabas Parameters in the section Preparing your Natural/Adabas Environment for Working with Predict.</p>

Other Related Software AG Products

These products are not necessary in order to use Predict 4.2, but if they are installed, the following requirements must be met.

Product Name (Product ID)	Requirements
Adabas SQL Server (ESQ)	Adabas SQL Server Version 1.4.2 or above. Note: To enable Predict access to Adabas SQL Server, you have to relink your Natural environment with the command Make natural esq=yes ada=dyn.
Natural Security	The Natural Security version that corresponds to your Natural version.
Natural Construct (CST)	Natural Construct Version 3.3.4 or above.
Entire Access	Entire Access is required if you need to access any of the following SQL database systems. Access to SQL databases is required for Incorporation functions. You do not need access to SQL databases to generate CREATE statements. The following SQL database systems are supported: <ul style="list-style-type: none"> ● Adabas D 11 or above ● INFORMIX 7.1 or above ● INGRES II or above ● ORACLE 8 or above ● SYBASE 11.04 or above

Entire Net-Work

- Entire Net-Work 2.1.1 for UNIX or above

This product is required if you are using Predict in a heterogeneous environment.

When the Predict FDIC file is shared between Natural on mainframe and Natural on a Windows or UNIX platform, Entire Net-Work must be used. For details concerning each platform, see the corresponding **Installation documentation**.

Accessing the Dictionary Server with Natural for Windows

With dictionary servers, you can access remote DDMs, free rules and automatic rules maintained in Predict once you have access to Predict on a mainframe or UNIX host. Predict rules can only be used by accessing Predict on a UNIX or mainframe server.

Additional Prerequisites

The following products must be installed in addition to the products listed above under Required Products:

Client Side
<ul style="list-style-type: none"> ● Natural for Windows 4.1.2 or above ● Entire Net-Work 2.6.1 for Windows or above
Server Side
<ul style="list-style-type: none"> ● Entire Net-Work for UNIX 2.1.1 or above ● Natural for UNIX 5.1.1 or above ● Adabas 3.1.1 or above

Starting the Server

Please read the **Natural RPC documentation** before starting the RPC server. The dictionary server name must be known in order to set up the remote dictionary access on the client side.

Accessing the Server

Please ask your data center for the appropriate settings to access EntireX.

Before starting Natural, define the dictionary server using the Natural for Windows NATPARM utility with the following two steps:

1. Define a logical dictionary server. For this you need to know:
 - the server name of the dictionary server (DDM server) that has been defined to the Entire Broker on the server system.
 - the node name on which this server is running. This is the name of the broker.

Ask your data center for these names.

The logical dictionary server is defined in the menu Global CONFIG File > Dictionary Server Assignments.

2. Set the parameter USEDIC (remote dictionary access) to a logical dictionary server name that has been defined in the global CONFIG file.

When running Natural using this parameter module, you must have access to the server. To check whether you are connected to the server, use the command MENU from SYSRPC to ping the server. You therefore need to define the server using the SERVER MAINTENANCE option.

Please ensure that the Server Node Classification has been set to the appropriate values. You can then use the SERVER COMMAND EXECUTION option to ping the server. The server should reply "I'm still up!".

Note:

It is not necessary to generate a client stub to access the server.

Using Predict in Heterogeneous Environments

The following applies:

- If you are using Natural on the mainframe, the Predict system file FDIC must be located in the mainframe database.
- If you want to access FDIC only under Natural for Windows, UNIX or OpenVMS platforms, FDIC can be located in an Adabas database on any of these platforms.
- If you share the FDIC file between Natural on the mainframe and a Natural for Windows or UNIX installation, your FDIC file must be located on the mainframe and you need to configure the translation definitions in Entire Net-Work. Add the following translation definitions to your Entire Net-Work on the mainframe:

```
Translate Define ADD ID=( <FDIC-DBnr> , <FDIC-Fnr> ) Field=LO, FORMAT=(A,33,X,2)
Translate Define ADD ID=( <FDIC-DBnr> , <FDIC-Fnr> ) Field=LK, FORMAT=(X,2,A,88)
Translate Define ADD ID=( <FDIC-DBnr> , <FDIC-Fnr> ) Field=LJ, FORMAT=(A,16,X,2)
Translate Define ADD ID=( <FDIC-DBnr> , <FDIC-Fnr> ) Field=L2, FORMAT=(X,2,A,32)
```

- For the Predict Coordinator FDIC file, the same translation definition as described above must be configured, but using the following syntax. Replace the ID parameter in the four above definitions with:

```
ID=( <Coordinator-DBnr> , <Coordinator-Fnr> )
```

- If you are using the Predict Coordinator, it must be installed on the same platform as the main FDIC.
- Set the Coordinator defaults parameter Clear with System Utility to N.

Which Installation Method?

The installation method you choose depends on whether Predict is already installed at your site. There are two methods available: first-time installation and inplace conversion.

First-Time Installation

If you are installing Predict for the first time or in an environment where Predict is not yet installed, go straight to the section First-Time Installation.

Upgrading to a new Version of Predict with Inplace Conversion

When upgrading from Version 4.1 of Predict, data in the format of the previous version must be converted to Predict 4.2 format.

The Predict data is converted directly on your Predict system file to Predict 4.2 format.

Upgrading from Version 3.4 of Predict

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 PRD42n.DE41 using the Natural utility INPL.

See also the Important Notices in the Installation Prerequisites.

Then perform a first-time installation and then transfer the data using Predict Coordinator.

You are strongly recommended to unload the data in the source environment using Internal-ID=Y.

Considerations Prior to Upgrading to Version 4.2

Superfluous Fields

A Predict system file converted with inplace conversion will still contain a number of Adabas fields no longer used in Predict 4.2. These can be ignored.

User Exit Routines

Predict provides a number of user exits which can be used to customize many Predict functions to meet special needs. Sample user exit routines illustrating the use of user exits and explaining the parameters are delivered with Predict.

All user exit routines from previous Predict versions with the prefix U- together with their parameter data areas will be replaced by new sample routines during the installation.

Other Programs Delivered in Source Form

In addition to user exits, a number of other Predict programs are delivered in source form. During installation, these source programs replace those delivered with the previous Predict version.

The following source programs in the library SYSDIC are replaced:

EXIT	MAIN	MAINM1	PUNCH01
------	------	--------	---------

The following type-dependent user exits are also replaced:

ACM**EX	CAT**EX	PUR**EX
---------	---------	---------

Note:

The asterisks above represent an object type code, for example FI or SY.

If you adapted any of these programs to meet special needs at your site, save them to a different library before starting the installation.

User Programs which access the Predict System File

All fields in the Predict system file (FDIC) that have been modified since the last version are assigned the keyword SAG-PRD-V42-MOD.

All new fields in Predict 4.2 are assigned the keyword SAG-PRD-V42.

All fields that are no longer used in Predict 4.2 are assigned the keyword SAG-PRD-V42-DEL.

If you have written your own programs which access these fields in the Predict system file, check that these programs are still compatible with these modified fields.

To access Predict data, use the user exit USR1051N.

Help Texts

Predict supplies a large number of online help texts as Natural text members with the prefix H- in the library SYSDIC. These texts can be customized and extended with the special function Maintain Predict Help Texts.

All help texts with the prefix H- are replaced during installation. To prevent user-modified help texts being replaced with new SAG-supplied texts, rename the prefix H- of modified help texts to T-.

If a help text with the prefix T- exists, this is always used by the Predict help system instead of the standard help text with the prefix H-.