

Installing Natural Single Point of Development

The following installation guide summarizes the prerequisites and the installation steps that are necessary to create a Natural Single Point of Development environment that uses Natural Studio as a remote development client and the Natural Development Server plug-in as a remote development server for Mainframes running under the operating system OS/390.

The following topics are covered:

- Prerequisites
 - Installation Procedure
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Prerequisites

Products Required or Involved

The following products are involved:

- Natural Version 5.1.1 for Windows
- Natural Development Server Version 1.1.1 for OS/390
- Natural Version 3.1.5 or higher for Mainframes
- System Management Hub
- Predict Version 4.2 for Mainframes (optional, if you wish to continue using Predict)

Technical Requirements

If you are working in a wide-area network (WAN) environment, please note that the minimum transmission rate must be 10 Mbit or higher.



The speed of a modem or an ISDN connection will be insufficient.

Installation Procedure

Installing the products that make up Natural Single Point of Development comprises the following general installation steps:

- Installing Natural Studio
- Installing Natural for Mainframes
- Installing the Natural Development Server
- Installing the System Management Hub

Installing Natural Studio

- **General Installation**

Refer to Installing Natural for Windows.

- **Installing the SPoD-Specific Features of Natural Studio**

If you wish to have the SPoD-specific parts of Natural Studio enabled, select the setup type referring to server development (SPoD) in the course of Natural for Windows installation procedure.

Installing Natural for Mainframes

Refer to the relevant section of the Natural for Mainframes Installation Guide:

- Installing Natural under OS/390
- (other SPoD-enabled platforms in preparation)

For background information on the automated installation of Software AG products, see also Concepts of System Maintenance Aid in the System Maintenance Aid documentation.

Installing the Natural Development Server

Refer to the relevant section of the Natural Development Server installation instructions:

- Installing the Natural Development Server under OS/390
- (other SPoD-enabled platforms in preparation)

Defining a Natural Development Server File

The Natural Development Server File is used as a central dictionary file for storing Natural applications and the links to objects making up an application. It also holds object locking information. This information is not bound to certain groups of application developers, but has an impact on the entire application development of an enterprise. Therefore, this file should be available only once, to ensure that the application definitions and locking states are kept consistent.

To ensure the use of one single Natural development file

1. Set the NTDYNP parameter in the default Natural parameter module NATPARM to OFF:
 - Specify `NTDYNP OFF`, if you want to disallow overwriting of all dynamic parameters
 - or specify `NTDYNP OFF,FDIC`, if you want to disallow overwriting of the Natural development server file only.
2. Disallow any changes to profiles by the end user.

Installing the System Management Hub

Software AG's System Management Hub must have been installed as described in the document System Management Hub Installation for Natural Manager.