



# natural

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Single Point of  
Development

Administration Policies and Procedure

This document applies to Natural Version 4.1.2 for Mainframes, Version 6.1.1 for UNIX, Version 6.1.1 for Windows, and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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# SPoD Administration Policies and Procedures - Overview

This documentation provides information which is required to be able to administer a Natural development environment that is based on the Natural Single Point of Development (SPoD) approach.

It is primarily aimed at those who are responsible for setting up an effective working environment for Natural application developers and covers the following topics:

## **Administration Policies and Procedures**

- Installing Natural Single Point of Development
- Configuring Natural Single Point of Development

# 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 or under SMARTS on VSE/ESA or UNIX.

The following topics are covered:

- Prerequisites
  - Installation Procedure
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## Prerequisites

### Products Required or Involved

Detailed information on required or involved Products can be found in the section Prerequisites for Natural Single Point of Development.

### 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 Natural for UNIX
- Installing the Natural Development Server

### 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
- Installing Natural under VSE/ESA

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 Natural for UNIX

Refer to the Natural for UNIX Installation Guide

## 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 and CICS Adapter, if required
- Installing the Natural Development Server under SMARTS on VSE/ESA and CICS Adapter, if required
- Installing the Natural Development Server under UNIX

## 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 off 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.

# Configuring Natural Single Point of Development

This section provides an overview of the configuration facilities that exist for the individual products involved in a Natural Single Point of Development environment. References are given to documents where the relevant configuration functions or parameters are described.

The following topics are covered:

- Configuring Natural for Windows
- Configuring Natural for Mainframes
- Configuring Natural for UNIX
- Configuring the Natural Development Server

See also Operating the Natural Development Server.

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## Configuring Natural for Windows

Natural for Windows offers configuration possibilities which are documented in the Natural for Windows Operations documentation. For details, refer to:

- Local Configuration File
  - Buffer Pool Assignments
  - Installation Assignments
- Global Configuration File
  - DBMS Assignments
  - Dictionary Server Assignments
  - Printer Profiles
  - System File Assignments

## Configuring Natural for Mainframes

Information on how to configure Natural in a mainframe environment is primarily contained in the Natural Operations for Mainframes and in the Natural Reference documentation. The following topics are relevant:

- Profile Parameter Usage
  - Natural Parameter Hierarchy
  - Assignment of Parameter Values
  - Profile Parameters Grouped by Function
- Profile Parameters

## Configuring Natural for UNIX

Information on how to configure Natural in a UNIX environment is primarily contained in the Natural Operations for UNIX and in the Natural Reference documentation. The following topics are relevant:

- Profile Parameters
- Natural Buffer Pool

## Configuring the Natural Development Server

For details on how to configure the Natural Development Server, refer to the corresponding platform-specific Natural Development Server documentation.