

# Installing and Setting up Entire Operations on UNIX Platforms

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## Overview

The installation of Entire Operations consists of the following main steps:

- Unpacking datasets from the **cpio** installation file
- Menu-driven installation

## Prerequisites

- **Memory**  
There is no specific memory requirement for operating the product;
- **Disk Space**  
The application SYSEOR requires approximately 20 MB of disk space during operation. At installation time, double the amount should be available;
- **Operating System**  
The UNIX operating system available on the selected platform;
- **Other Software AG Products**  
Natural for UNIX, version 5.1.1 PL 3 and above;  
Adabas for UNIX, version 2.2.3 and above.

### Note:

The ADANUC parameter LU must be set to **18000** or above and the ADANUC parameter LS must be set to a value of **20000** (default) or above.

- **Further Requirements:**  
System Automation Tools (SAT) version 3.1.1 or higher;  
Entire System Server for UNIX or Windows (see the section Installing and Setting up Entire System Server on UNIX Platforms and the section Installing and Setting up Entire System Server on Windows Platforms).
- **Optional Software AG Products**  
Entire Net-Work is required for any kind of multi-CPU constellation where remote partners (mainframe and/or UNIX and/or Windows) are involved.  
Entire Broker is required for any kind of multi-CPU constellation, if one partner is a UNIX or Windows system or different UNIX or Windows systems are involved. Entire Broker is not required, if you are running Entire

Operations on a UNIX or Windows platform and controlling the job networks on a mainframe system (see the subsection Platforms and Required Middleware).

## Environment Variables

The following environment variables must exist and must point to valid directories:

<b>SAG</b>	Installation directory for Software AG products
<b>ADADIR</b>	Adabas base directory
<b>ADAVERS</b>	Adabas version subdirectory
<b>NATDIR</b>	Natural base directory
<b>NATVERS</b>	Natural version subdirectory

The existence of these directories is checked during the installation.

In addition, the following environment variables must be defined:

<b>NPRDIR</b>	Entire System Server base directory (default: <b>\$SAG/npr</b> )
<b>NPRVERS</b>	Entire System Server version subdirectory
<b>NOPDIR</b>	Entire Operations base directory (default: <b>\$SAG/nop</b> )
<b>NOPVERS</b>	Entire Operations version subdirectory

These variables will be temporarily set to their correct values by the installation script. Their setting should be integrated in any **sagenv** file after the installation.

After having copied in the **cpio** installation file, proceed as follows.

## Directory Structure

After unpacking the **cpio** installation file, the following Entire Operations directory structure is generated:

SAG				\$SAG
	nop			\$NOPDIR
		v4111		\$NOPVERS
			INSTALL	Installation script directory
			bin	Special executable files for Entire Operations
			example	Sample networks and their JCL

The following table outlines the contents of the Entire Operations version directories.

### \$NOPDIR/\$NOPVERS Directory

Directory	Explanation
INSTALL	Directory containing the shell scripts and other files to be used during the installation of Entire Operations.
bin	This directory contains several scripts and other files necessary to install Entire Operations. These scripts are invoked internally from "nopinstall.bsh" (see Main Menu). Do not use them standalone.
example	This directory contains several text files: <b>example.imp</b> contains all sample networks in Import/Export external format. The files <b>x60-flow.imp</b> , <b>b60-flow.imp</b> , <b>e60-flow.imp</b> and <b>v60-flow.imp</b> each contain only one sample network definition, demonstrating how jobs in UNIX, BS2000/OSD, OS/390 and VSE/ESA environments (respectively) can be controlled.

File	Explanation
inpl.sag	Input file for the Natural INPL. Used during installation only.

## Main Menu

Loading the **cpio** file:

```
cd $SAG
cpio -icvdBm <nopv4111.cpio
```

The directory structure for Entire Operations will be created.

### To invoke the installation menu

- Use **setup.ux**

The graphical installation frontend will be started.

## Database File Creation

The database file creation is part of the menu-driven installation procedure. Follow the instructions on the screen.

## Loading Sample Networks

The data for the sample networks of Entire Operations are contained in the directory \$NOPDIR/\$NOPVERS/example. Before proceeding, ensure that you have completed the installation of System Automation Tools (SAT) as described in the separate SAT Documentation.

Import the definitions of one sample network necessary for verification from the file **x60-flow.imp**. This file has standard ASCII format and must be assigned to Natural Workfile 1 using the appropriate Natural parameter module. For information on the Import/Export utility, see the Utilities Documentation.

### Note:

You could, alternatively, import all sample network definitions from the file **example.imp**. However, this would take considerably longer and only a few examples are designed for UNIX environments. Though the other examples in the example file help you understand some functions, they must be adapted before they can be used in a UNIX environment.

For more information about installation verification, see the subsection Installation Verification in the section Installing and Setting up Entire Operations on Mainframe Platforms.