

# Installing and Setting up SAG Products on UNIX Platforms

This section contains general information which applies when installing and setting up any Software AG product on a UNIX platform. The information contained in this section is independent of hardware type and platform.

The following topics are covered:

- Installation Package
- Writing Conventions
- Performing General Installation and Setup
- SAG Environment

## Installation Package

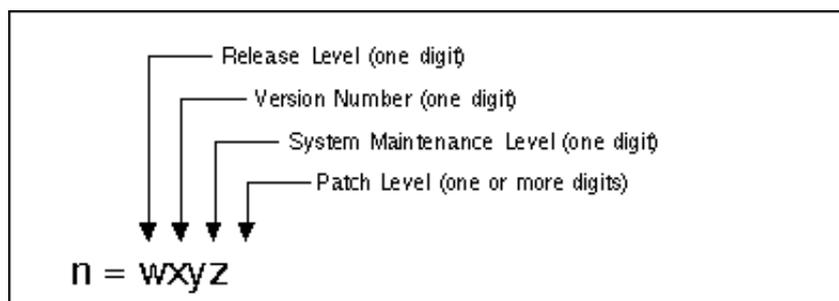
The installation package containing Software AG products is available on cartridge, magnetic tape and other media. For some systems, the installation package is also available on ISO 9660 CD-ROM.

The CD-ROM contains a complete directory structure which clearly indicates product and platform.

For media other than CD-ROM, the installation medium is written in standard cpio format and contains a complete directory structure with all files included.

## Writing Conventions

Notation	Description
.profile	Letters in <b>bold</b> indicate set strings which cannot be changed, for example commands or certain file names.
cpio	Letters in <b>courier bold</b> indicate that you must enter the information exactly as specified.
<placeholder>	Lower-case letters in <i>italics</i> contained in angle brackets (< >) are used to represent variable information which you must supply.
\$<environment-variable-name>	An environment variable name preceded by a dollar sign (\$) stands for the string <b>contained</b> in the environment variable. For example, when the environment variable <b>SAG</b> is set to <b>/usr /SAG</b> , <b>\$\$SAG</b> stands for <b>/usr /SAG</b> .
<i>vn</i>	<i>vn</i> represents a product version number. <i>v</i> is <b>v</b> for released versions, <b>b</b> for beta test versions and <b>r</b> for run-time versions. <i>n</i> consists of the following components:



## Performing General Installation and Setup

The following is a summary of the steps required to set up the Software AG environment and install Software AG products for UNIX:

- Step 1: Create the administrator's account and group
- Step 2: Back up your current product version
- Step 3: Log in as the user `sag`
- Step 4: Copy the contents of the distribution medium to disk
- Processing for CD-ROM
- Processing for Other Media - For Example, Cartridges and Video 8mm
- Step 5: Check images
- Step 6: Read the README files
- Step 7: Create the environment file `sagenv.new`
- Step 8: Modify user profiles
- Step 9: Installation, Configuration and Installation Verification

### Assumptions

In this section the following is assumed:

- The account for the administrator of Software AG products is called **sag**.
- The group to which the administrator and all users of Software AG products belong is called **sag**.
- The home directory for the user **sag** is **/usr/SAG**.
- The root directory for Software AG products is **/usr/SAG**.

### Note:

For an overview of the directory structure created and the environment variables which are set at installation, see SAG Environment.

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## Step 1: Create the administrator's account and group

- Examples

You must create one administrator's account and one group for all Software AG products when you install your first Software AG product.

- Define an administrator account to which all of the Software AG products installed at your site belong.

Since all environment definition files for the products are written in Bourne shell, the Bourne shell is recommended as the login shell for the administrator account. This section assumes that the administrator account is called **sag**.

- Define a group to which the administrator and all users of Software AG products belong.

This section assumes that this group is also called **sag**.

- Create a login directory for the user **sag**.

### Note:

To perform these steps, use an appropriate system administration tool.

## Examples

The following is a possible entry in the system file **/etc/group**:

```
sag:*:21:sag
```

The following is a possible entry in the system file **/etc/passwd**:

```
sag:~:100:21:SAG - Product Administrator:/usr/SAG:/bin/sh
```

The following is a command which creates a login directory for the user **sag**:

```
mkdir /usr/SAG
```

## Step 2: Back up your current product version

When you are upgrading a product, it is strongly recommended that you back up your current product version.

- Back up the current version of the product you are installing.

## Step 3: Log in as the user sag

This section assumes that the user **sag** is the administrator for Software AG products.

- Log in as the user **sag** (do not log in as **root**).

## Step 4: Copy the contents of the distribution medium to disk

Make sure that the administrator user and group have been created and defined.

## Processing for CD-ROM

- Use the script CDINST.BSH supplied on the CD-ROM.

For further information on installing products from CD-ROM see the booklet provided with the CD-ROM.

## Processing for Other Media - For Example, Cartridges and Video 8mm

- Example

### Note:

The raw device name is specific to the operating system.

- List the contents of the distribution medium by issuing the following system command:

```
cpio -icBvtm < /dev/<raw-device-name>
```

### Note for AIX Users:

The BLOCKSIZE parameter for the device used must be set to **0** (variable block size). Use the System Maintenance Interface Tool (SMIT) to do this.

- Start installation by issuing the following system command:

```
cpio -icBvdm < /dev/<raw-device-name>
```

## Example

```
cpio -icBvdm < /dev/rmt/0m      (for tape)
cpio -icBvdm < /dev/rct/c3d0s2 (for cartridge)
```

## Step 5: Check images

- Ensure that all installed images are owned by the user **sag** and have the group ID **sag**.

## Step 6: Read the README files

- If README files are included, read them before proceeding. They may contain modifications to this installation documentation.

## Step 7: Create the environment file **sagenv.new**

- Example

The script SAGINST helps you to create an environment file for the product you are installing. SAGINST generates the environment file **sagenv.new** interactively.

- Start SAGINST by issuing the following command:

```
./SAGINST
```

SAGINST checks whether the environment variable SAG is set. If SAG is not set, you are asked to confirm or modify the default provided. SAG defines the root directory for all Software AG products (which is also the home directory of the user **sag**). A list of all available products installed in the directory referred to by the path **\$\$SAG** appears.

- Enter the numbers corresponding to the product you are installing and to the products which are prerequisite to the product you are installing. Separate multiple entries with blanks.

### Note:

Do not select more than one product version for a given product.

## Example

```

                INSTALL: ENVIRONMENT

Please choose products for which you want to
generate the environment file sagenv.new

    1      ada/vn
    2      wcp/vn
    3      nat/vn

PLEASE SELECT ITEMS : 1 3
```

In this example, items **1** and **3** are selected. A **sagenv.new** file will be created for the products Adabas and Natural.

For further information on prerequisites, see the subsection Prerequisites.

- Press Enter.

The script generates the file **sagenv.new** with all of the environment variables that are required to use the selected product(s). If **sagenv.new** already exists, it is renamed to **sagenv.old**.

- Review the contents of **sagenv.new** and customize it as necessary.
- Rename **sagenv.new** to another file name (optional).

In the following examples, it is assumed that the environment file is called **sagenv**.

**Note:**

If you are performing an update installation, just replace the product-specific part of **sagenv.new** in your existing **sagenv** file.

- Ensure that the correct environment is being used by invoking the **sagenv** file with the following command:

```
. ./sagenv
```

This command sets the environment temporarily for the current session.

## Step 8: Modify user profiles

- Enter the following command line in the **.profile** file of each user who will use this environment permanently:

```
. <SAG-root-directory>/sagenv
```

## Step 9: Installation, Configuration and Installation Verification

**Note:**

This verification is product-specific.

You have completed the installation steps common to all Software AG products for UNIX.

Now you must perform product-specific installation, configuration and installation verification as described in the section Installing and Setting up Entire Operations on UNIX Platforms.