

**Installation &
Quickstart Guide**

Novell AppArmor
Powered by Immunix

Novell AppArmor Installation & Quickstart Guide

Overview

This document provides detailed instructions for installing the Novell AppArmor, Powered by Immunix™ software on your SuSE Linux Enterprise Server (SLES) 9.

System Requirements

- OS Software: SLES 9 is installed properly.
- SLES development packages and kernel-source are installed as detailed in “Automated Installation” section.

Automated Installation

Novell AppArmor software on your SuSE Linux Enterprise Server (SLES) 9.

The software is distributed in rpm format, which is the common packaging format for software for the SLES operating system.

There are six rpm packages that must be installed:

- libimmunix
- subdomain-docs
- subdomain-master
- subdomain-profiles
- subdomain-utils
- subdomain_parser
- mod_change_hat

By installing this software you are agreeing to the terms of the Immunix End User License Agreement defined in the file `immunix-eula` in the top level directory of the CDROM.

To perform an automated installation, perform the following steps:

1. Put your Novell AppArmor CD in to the system CD-Rom drive.
2. Open a terminal window.

3. Type `cd media/cdrom/`

Note: If your CD-Rom drive is a CD burner, you should type `cd media/cdburner` instead.

4. Type `su` to become root if you are not already.

5. Type `ls`. The following directory listing should display:

```
COPYING devtools immunix-eula install README rpm
shass-release TRANS.TBL
```

6. To install the Novell AppArmor software, type the following (you should still be logged in as root)

```
./install --install
```

7. The installation script then runs. It will:

- display and ask you to accept or decline the Immunix Commercial License
- inspect your running kernel, and compile a kernel module to match your kernel
- install the rest of the Novell AppArmor infrastructure

8. Once the installation completes, you should reboot your machine.

Note: If you want to update to a new version of Novell AppArmor, repeat steps 1-5 and type `./install --update`

If you want to remove Novell AppArmor from your system, repeat steps 1-5 and type `./install --uninstall`

Installing Pre-requisite Development Packages and Kernel-source rpms

You can install Novell AppArmor dependencies during the SLES 9 installation or post SLES 9 installation. Select one and follow the steps below:

1. How are you installing Novell AppArmor?

- **Post SLES installation:** Run YaST, select the icon **Install and Remove Software**, and go to Step 4 below.
- **During SLES installation:** From the YaST SLES Installer, follow

all the steps below.

2. Select **Software**, then **Change**.
3. Select **Detailed Selection**.
4. In the YaST2 window, go to the drop-down list labeled **Filter** and select **Package Groups**.
5. In the Package Groups tree, select **Development**, then **Sources**
6. A list of packages display in the right-hand frame of the window. Select the packages: **kernel-source**, **kernel-syms**.
7. Go to the left-hand frame that contains the Package Groups tree and select **Development**, **Languages**, then **C and C++**
8. From the Menu bar, select **Package**, **All in This List**, then **Install**
9. Select **Accept**.
10. If a dialog window displays informing you that additional packages will be installed to satisfy dependencies, select the appropriate options and click **Continue**.

Other Resources

Man pages provide useful information about the Novell AppArmor tools. They can be accessed in a terminal window by typing **man *manpagename***. The available Novell AppArmor man pages are listed below:

- autodep
- change hat
- complain
- enforce
- genprof
- logprof
- logprof.conf
- subdomain
- subdomain.d
- subdomain.conf
- subdomain_parser
- subdomain.vim
- unconfined

The **Admin Guide** is available after installation of AppArmor. You can find it in:

/usr/share/doc/packages/subdomain-docs/immunizing_applications.pdf

