

Novell Identity Manager Fan-Out Driver

3.5.1

www.novell.com

September 28, 2007

QUICK START

Platform Services Quick Start for FreeBSD*, HP-UX*, Linux*, and Solaris*

This *Quick Start* provides basic steps to installing the Platform Services for FreeBSD, HP-UX, Linux, and Solaris as part of the Identity Manager Fan-Out driver. It condenses information from other documentation that includes more details and additional tasks required to install, configure, and deploy the Fan-Out driver.

Before installing Fan-Out driver components, obtain the latest support pack and product updates, and review the release notes and readme files. For the latest support information, see the [Novell Support Web site \(http://support.novell.com\)](http://support.novell.com).

REQUIRED KNOWLEDGE AND SKILLS

This *Quick Start* assumes you are familiar with concepts and facilities of the Fan-Out driver, Novell eDirectory™, and the administration of systems and platforms you connect to Identity Manager.

For more information about installing Platform Services, as well as other suggested documentation, see the *Platform Services Planning Guide and Reference* and the *Platform Services Administration Guide for Linux and UNIX* at the [Identity Manager 3.5.1 Drivers Documentation Web site \(http://www.novell.com/documentation/idm35drivers\)](http://www.novell.com/documentation/idm35drivers).

Before installing Identity Manager Fan-Out driver components, obtain the latest support pack and product updates, and review the Release Notes and Readme files. For the latest support information, see the [Novell Support Web site \(http://support.novell.com\)](http://support.novell.com).

PREREQUISITES

Verify you are running Identity Manager 3.5.1, or later, as well as the required versions of eDirectory, iManager, and your target platforms. For more about these requirements, see the associated readme files on the [Identity Manager Documentation Web site \(http://www.novell.com/documentation/idm35drivers\)](http://www.novell.com/documentation/idm35drivers).

Platform Services uses Secure Sockets Layer (SSL) for communications. SSL requires a source of entropy. If your system does not have a `/dev/random` device to provide entropy, you must install and configure an entropy daemon prior to installing Platform Services.

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Solaris versions before Solaris 9 do not include a `/dev/random` device. Sun* has released this functionality for versions 2.6 onward in Patch ID 112438-01.

For your convenience, the Pseudo Random Number Generator Daemon PRNGD is included in the `/prngd` directory of the distribution.

INSTALLING PLATFORM SERVICES FOR FREEBSD, HP-UX, LINUX, AND SOLARIS

- 1 If you do not have an appropriately configured Platform Set object, use the Identity Manager Fan-Out driver Web interface to create a Platform Set object.

Associate users and groups with your Platform Set using the appropriate Search object configuration.

Platform Sets are established for platforms that share a common population of users and groups. Multiple types of platforms can reside in a single Platform Set, and individual users and groups can appear on multiple Platform Sets.

Whenever you modify Search objects, start a Trawl to populate the platforms.

- 2 Use the Web interface to create a Platform object for your platform in an appropriate Platform Set.

You must define all of the IP addresses for the platform so that mutually authenticated SSL can function properly.

- 3 Log in as `root` to the server where you are installing Platform Services.
- 4 Retrieve the Platform Services distribution package for your OS and place it in a temporary location on the target server.
- 5 Extract the distribution package to the temporary location.

This creates and populates an `ASAM` directory in the temporary location.

- 6 Run `ASAM/setup/install` and respond to the prompts.

This prepares the `/usr/local/ASAM` directory.

You can now remove all of the files from the temporary location.

- 7 Run `/usr/local/ASAM/bin/PlatformServices/plat-config` and respond to the prompts. You will be asked to choose one of the following provisioning models for your platform:

- ◆ Local Provisioning, Redirected Authentication
- ◆ Local Provisioning, Local Authentication
- ◆ Name Service Switch (Account Redirection)

For details about these provisioning models, see the *Platform Services Administration Guide For Linux And UNIX*. For Local Authentication and Account Redirection models, make sure

you have your Universal Password policies configured to enable administrators to retrieve Universal Passwords.

- 8 Review the contents of the platform configuration file `/usr/local/ASAM/data/asamplat.conf`.

You must have at least one AUTHENTICATION statement and at least one PROVISIONING statement.

If your system does not have a `/dev/random` device, you must include an ENTROPY statement to specify a source of entropy.

For an example `asamplat.conf` file, see `/usr/local/ASAM/data/sampleplat.conf`.

- 9 Review the file permissions of `/usr/local/ASAM/data` to ensure that they are appropriate for your installation.

Access should usually be restricted to the driver system itself, and to its administrators.

- 10 If you are using the Local Provisioning, Redirected Authentication provisioning model, configure PAM to call Platform Services.

FreeBSD: Edit your `/etc/pam.d/*` files to call the `pam_ascauth.so` module.

HP-UX: Edit your `/etc/pam.conf` file to call the `/usr/lib/security/libpam_ascauth.1` module.

Linux: Edit your `/etc/pam.d/*` files to call the `/lib/security/pam_ascauth.so` module.

Solaris: Edit your `/etc/pam.conf` file to call the `/usr/lib/security/pam_ascauth.so.1` module.

Sample PAM configuration files are included in `ASAM/bin/PlatformServices`.

- 11 If you are not using the Name Service Switch, set up Receiver scripts.

The Platform Receiver responds to events by running corresponding Receiver scripts. The Platform Receiver runs Receiver scripts from `/usr/local/ASAM/bin/PlatformServices/PlatformReceiver/scripts`. The base set of Receiver scripts is delivered in a subdirectory of `/usr/local/ASAM/bin/PlatformServices/PlatformReceiver/scripts` called `platformName-passwd`. The install script offers to install the base scripts for you. If you accept, then the `plat-config` script copies all of the scripts in `platformName-passwd` up one level to `/usr/local/ASAM/bin/PlatformServices/PlatformReceiver/scripts`.

If you have developed your own set of custom scripts, copy your custom scripts to `/usr/local/ASAM/bin/PlatformServices/PlatformReceiver/scripts`.

For information about developing your own custom scripts, see `/usr/local/ASAM/bin/PlatformServices/PlatformReceiver/scripts/scriptwriters.README`.

- 12 If you are not using the Name Service Switch, add the Platform Services Process (asampsp) and Platform Receiver (asamrcvr) operation into routine system startup, shutdown, and scheduling procedures as appropriate.

Optional startup and shutdown scripts are provided in the `ASAM/data/UnixStartupScripts` directory.

The first time a Platform Receiver is run for a new platform, it automatically receives provisioning events for all users and groups for the platform.

- 13 If you are using the Name Service Switch, add the Platform Services Cache Daemon (asamps) into routine system startup and shutdown procedures as appropriate.

A startup/shutdown script for the Cache Daemon is provided in the `ASAM/data/UnixStartupScripts` directory.

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