

# Using PAM with Radmin

Version 0.9.2

This document describes how to configure and use pluggable authentication modules (PAM) for the radmin server on Mac OS 10.2 and higher.

## ***Creating the Radmin PAM Configuration File***

The configuration file defines how the radmin server will use the PAM modules to perform authentication tasks. This allows the system administrator to have total control over the authentication policy the radmin server will use.

1. Download the example radmin configuration file:

```
[server] root# cd /etc/pam.d
[server] root# curl http://rsug.itd.umich.edu/software/radmin/
files/radmin.pam.conf > radmin
```

The example configuration uses the security server PAM module to tie into the Apple security framework for authentication. This will allow any valid user on the radmin server to login.

## ***Turn on User Authentication***

1. Modify the radmin server startup item.

```
[server] root# cd /Library/StartupItems/RadminServer
[server] root# vi RadminServer
```

Add `-U` as an option to the line starting with `/usr/local/sbin/radmin`.

2. Reboot.

## ***PAM & radmin***

With user authentication enabled, the radmin server will only allow uploads after the user has logged in. Since passwords are sent in the clear, TLS is required to login.

To store a loadset on a server that has user authentication enabled, add `-L` as an option to `lcreate`. This will cause `lcreate` to login as the current user and ask for the password. To login as a different user, add the `-U user` option where *user* is the user name to login as.

## ***More Information***

- pam man pages
- <http://www.kernel.org/pub/linux/libs/pam/>