

Updating SquirrelMail on Mac OS X 10.5.x/10.4.x

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1. - Introduction

The purpose of this document is to provide instructions on how to update the version of SquirrelMail included with OS X 10.5.x/10.4.x Server.

It will guide you through updating to the latest stable version of SquirrelMail without breaking Server Admin functionality.

Although the Apple included version of SquirrelMail is suitable for most users, there are situations where one might need to update. A common reason is to take advantage of the latest security fixes.

This document will require you to use the command line. If you do not feel comfortable with using the command line, you should look for a ready made installer package or for somebody to assist you.

This document is written for Mac OS X 10.5.x/10.4.x. However, it should apply to 10.3.x as well. Be aware though that I have not done any particular testing of this procedure on 10.3.x.

DISCLAIMER: Whatever you do based on this document, you do it at your own risk! Just in case you haven't understood: Whatever you do based on this document, you do it at your own risk!

This tutorial has been tested on a standard Mac OS X 10.5.x/10.4.x Server installation. If you have already tinkered with your system, be aware that things might differ. It is impossible for me to foresee all changes that one might have applied to a server.

This tutorial contains step-by-step instructions for the terminal. Although you could just type them in line by line, it is recommended you have a basic understanding of the terminal.

2. - What is installed as part of OS X Server

In order to better understand the process it is useful to have a basic knowledge of the basic installation.

As of 10.4.8 and the latest security updates, Apple includes SquirrelMail 1.4.5 with its server operating system. 10.5.0 includes SquirrelMail 1.4.10a. These can be safely updated to the latest stable version of SquirrelMail 1.4.x. Please be aware that the 1.5.x branch of SquirrelMail is still in development and can create problems.

3. - Requirements

Before you get started, you need to make sure some basic requirements are met:

- You have made a backup of your system.
- You do have a backup
- You are running 10.5.x or 10.4.x

4. - Getting and installing the latest version of SquirrelMail

This chapter will guide you through replacing your current version of SquirrelMail with the latest stable version available. It will not add any functionality compared to the Apple installed version. It will only give you the peace of mind to have the latest version with the most recent security fixes. Please be aware that instructions apply only to the 1.4.x branch of SquirrelMail. 1.5.x is still in development and can create problems.

So let's get going:

Make sure you are logged in as root.

Get and install the latest version of SquirrelMail by issuing the following commands (*in oblique type*). Issue them one after the other making sure you do not miss any dots or slashes. Also note that the download URL given will change in the future. In that case just replace the URL in this document with the current one. The URL used at the time this document was written refers to SquirrelMail 1.4.15. If you want to install a different version, adjust accordingly. Lines wrapping without line spacing are a single command.

```
cd /usr/share/

mv squirrelmail squirrelmail.bak

curl -O http://ovh.dl.sourceforge.net/sourceforge/
squirrelmail/squirrelmail-1.4.15.tar.gz

tar -zxvf squirrelmail-1.4.15.tar.gz

mv squirrelmail-1.4.15 squirrelmail

mkdir -p squirrelmail/data

cp -p squirrelmail.bak/data/* squirrelmail/data

rm -r squirrelmail/config

ln -s /private/etc/squirrelmail/config squirrelmail/
config

cp -rp squirrelmail.bak/themes/* squirrelmail/themes/

cp squirrelmail.bak/images/web_mail_login.jpg
squirrelmail/images/web_mail_login.jpg
(This may give an error if you happen to have replaced the
default login image. It is safe to ignore, but you will have to
copy your custom login image yourself)

cd squirrelmail

chown -R www:www data

sudo chmod -R 0775 data
```

When done run:

```
/usr/share/squirrelmail/config/conf.pl
and check if your configuration is OK.
```

If things go wrong you can fall back to the backup we made inside "squirrelmail.bak"

To do so. Issue the following:

```
cd /usr/share/  
rm -r squirrelmail  
mv squirrelmail.bak squirrelmail
```

You should now be all set and have an "Apple compliant" version of SquirrelMail on your server. Server Admin will still work as before.

5. - Caveats

- User logins during upgrading

If users log-in during the update process, they may or may not be presented with missing pages and links. To avoid this, disable webmail in Server Admin while updating.

- Customization

If you have customized SquirrelMail by modifying its sources, you will need to re-apply those changes.

If you have "pointed" SquirrelMail to images inside its standard folders, you will need to do so again.

That's all folks.

Hope this helps.

Have fun,

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