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FreeBSD Install FuzzyOCR To Detect Image Spam

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How do I install FuzzyOcr plugin for SpamAssassin to detect unsolicited bulk mail (Spam) containing FreeBSD [1] images as the main content for Postfix mail server?

FuzzyOcr uses different methods to analyzes the content and properties of images to distinguish between normal mails (Ham) and spam mails. FuzzyOcr can detect many types of image spam and can protect your server and users from spammers easily.

How do Install FuzzyOCR on FreeBSD?

[2]

First, update ports tree, enter:

```
# portsnap fetch update
```

Now, install FuzzyOCR, type:

```
# cd /usr/ports/mail/p5-FuzzyOcr-devel
# make install clean
```

Copy FuzzyOcr config and words files to SpamAssassin configuration directory, type:

```
# cp /usr/local/share/examples/FuzzyOcr/FuzzyOcr.* /usr/local/etc/mail/spamassassin
```

Open /usr/local/etc/mail/spamassassin/init.pre file, enter:

```
# vi /usr/local/etc/mail/spamassassin/init.pre
```

Add following line to enable FuzzyOcr, enter:

```
# FuzzyOcr
loadplugin Mail::SpamAssassin::Plugin::FuzzyOcr
```

Open /usr/local/etc/mail/spamassassin/FuzzyOcr.cf, enter:

```
# vi /usr/local/etc/mail/spamassassin/FuzzyOcr.cf
```

Make sure you set focr_logfile to /var/log/FuzzyOcr.log, enter:

```
focr_logfile /var/log/FuzzyOcr.log
```

Save and close the file. Restart your anti spam gateway engine such as mailscanner:

```
# /usr/local/etc/rc.d/mailscanner restart
```

NOTE: If you are not using mailscanner, restart sa-spamd:

```
# /usr/local/etc/rc.d/sa-spamd restart
```

How do I test if FuzzyOCR is working or not?

Simply download test sample spam email images [3] from the official website. Or try following commands:

```
# cd /tmp
# mkdir test;cd test
# fetch http://users.own-hero.net/~decoder/fuzzyocr/sample-mails.tar.gz
# tar -zxvf sample-mails.tar.gz
```

```
# spamassassin -t < ocr-gif.eml
```

You can also see log in /var/log/maillog and /var/log/FuzzyOcr.log files:

```
# tail -f /var/log/FuzzyOcr.log
# tail -f /var/log/maillog
```

Recommend readings:

- [Spamassassin project](#) [4]
- [FuzzyOcr project](#) [5]

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[1] Image: **http://www.cyberciti.biz/faq/category/freebsd/**

[2] Image: **http://www.cyberciti.biz/faq/category/email-servers/**

[3] sample spam email images: **http://fuzzyocr.own-hero.net/wiki/Downloads**

[4] Spamassassin project: **http://spamassassin.apache.org/**

[5] FuzzyOcr project: **http://fuzzyocr.own-hero.net/**