

OpenDKIM Plugin Documentation

Plugin providing an OpenDKIM implementation for i-MSCP.

Requirements

- i-MSCP versions $\geq 1.2.3$
- See installation section for required software packages.

Limitations

At the moment the DKIM signing is only supported for normal domains and alias domains. It is planned to also support subdomains in a future version.

Existing milter configurations

This plugin will not check for an existing milter configuration in the Postfix main.cf file. If you need to add an extra milter, please ask in our forum!

1. Install needed Debian / Ubuntu packages

```
# aptitude update
# aptitude install opendkim opendkim-tools
```

Debian Squeeze

Add the backports of Debian Squeeze to your /etc/apt/sources.list:

```
deb http://backports.debian.org/debian-backports squeeze-backports main
contrib non-free
```

Installation of the opendkim packages:

```
# aptitude update
# aptitude -t squeeze-backports install opendkim opendkim-tools
```

Ubuntu Lucid

Add the backports of Ubuntu Lucid to your /etc/apt/sources.list:

```
deb http://archive.ubuntu.com/ubuntu lucid-backports main restricted
universe
```

Installation of the opendkim packages:

```
# aptitude update
# aptitude -t lucid-backports install opendkim opendkim-tools
```

Ubuntu Precise

Add the backports of Ubuntu Precise to your `/etc/apt/sources.list`:

```
deb http://archive.ubuntu.com/ubuntu precise-backports main restricted
universe
```

Installation of the opendkim packages:

```
# aptitude update
# aptitude -t precise-backports install opendkim opendkim-tools
```

2. Get the plugin from Plugin Store

<http://i-mscp.net/filebase/index.php/Filebase/>

3. Plugin upload and installation

- Login into the panel as admin and go to the plugin management interface
- Upload the OpenDKIM plugin archive
- Install the plugin

Update

1. Get the plugin from Plugin Store

<http://i-mscp.net/filebase/index.php/Filebase/>

2. Backup your current plugin config

```
# plugins/OpenDKIM/config.php
```

3. Plugin upload and update

- Login into the panel as admin and go to the plugin management interface
- Upload the OpenDKIM plugin archive
- Update the plugin list

Configuration

For the different configuration options please check the plugin config file.

```
# plugins/OpenDKIM/config.php
```

After you made your config changes, don't forget to update the plugin list.

- Login into the panel as admin and go to the plugin management interface
- Update the plugin list

Testing

Internal DKIM test

You could check on the command line if OpenDKIM is working for your domain:

```
# opendkim-testkey -d example.com -s mail -vvv
```

The result should look similar like this one. The 'key not secure' does not indicate an error. It is an expected consequence of not using DNSSEC.

```
opendkim-testkey: checking key 'mail._domainkey.example.com'
opendkim-testkey: key not secure
opendkim-testkey: key OK
```

Query your DNS server and check the TXT DKIM record for your domain.

```
# dig -t txt mail._domainkey.example.com
```

External DKIM test

Open the link below and send a mail from the domain you activated OpenDKIM to the random mail address shown on that page.

```
http://www.brandonchecketts.com/emailtest.php
```

After you sent the mail, click on that page the 'View Results' button and verify the **DKIM Information:** section.

DKIM Information:

DKIM Signature

Message contains this DKIM Signature:

```
DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple; d=example.com;
s=mail; t=1385558914;
bh=fdkeB/A0FkbVP2k4J4pNPoeWH6vqBm9+b0C30Y87Cw8=;
h=Date:From:To:Subject:From;
b=ZtWi/eDZtQ0RDv60FCDf4c+G9gqhFH3r6RPCw9vr400auTH0Pnk0wt2BuLNpv4Uh4
wjBHhFnIqt+t/c9/DLCC8envKmnzco8BATgXl5I5HHLxDcGMFYlwHDg0LXcCKX0XA5
15oFPlimBrwZXnq3X0JCwopZmUmZZhUyYT8pZ09k=
```

Signature Information:

v= Version: 1
a= Algorithm: rsa-sha256
c= Method: simple/simple
d= Domain: example.com
s= Selector: mail
q= Protocol:
bh= fdkeB/A0FkbVP2k4J4pNPoeWH6vqBm9+b0C30Y87Cw8=
h= Signed Headers: Date:From:To:Subject:From
b= Data:
ZtWi/eDZtQ0RDv60FCDf4c+G9gqhFH3r6RPCw9vr400auTH0Pnk0wt2BuLNpv4Uh4
wjBHhFnIqt+t/c9/DLCC8envKmnzco8BATgXl5I5HHLxDcGMFYlwHDg0LXcCKX0XA5
15oFPlimBrwZXnq3X0JCwopZmUmZZhUyYT8pZ09k=
Public Key DNS Lookup

Building DNS Query for mail._domainkey.example.com

Retrieved this publickey from DNS: v=DKIM1; k=rsa;

p=MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDN+HbTA3/7KoENKhMr6qR00cFeaDX1NSD5Xe
7zkGhkvOnajIrhyCu0XyxzHLTTSbFLq9juJmUbPmP90Vj44o0p/NqoLQ9oWjfkcm+7nq+S4QYGoM
7h+SMcxjFm05mo0LdessYi/Sw5z6x87nMkLD/wQViDvctss4srrPTr/hqD+wIDAQAB

Validating Signature

result = pass

Details:

Authors

- Sascha Bay info@space2place.de
- Rene Schuster mail@reneschuster.de

Contributor

- Laurent Declercq l.declercq@nuxwin.com

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