

Assignment 6 : MTA(1)

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1 Mail Transfer Agents

As a MTA I chose Postfix.

1.1 Installing MTA

1.1.a Deleting pre installed MTA

I'm working with ubuntu docker container. To be sure that this system wasn't contain preinstalled MTA I ran following commands:

```
1 $ dpkg --get-selections | grep postfix
2 $ dpkg --get-selections | grep sendmail
3 $ dpkg --get-selections | grep exim
```

1.1.b Package downloading

Firstly it is needed to download tarball, signature and public key

```
1 $ wget http://mirror.lhsolutions.nl/postfix-release/official/postfix-3.1.2.tar.gz
2 $ wget http://mirror.lhsolutions.nl/postfix-release/official/postfix-3.1.2.tar.gz.gpg2
3 $ wget http://mirror.lhsolutions.nl/postfix-release/wietse.pgp
```

1.1.c Package verification

We must to verify tarball.

```
1 $ gpg -v --import wietse.pgp
2 $ gpg --verify postfix-3.1.2.tar.gz.gpg2 postfix-3.1.2.tar.gz
3 gpg: Signature made Sat Aug 27 23:56:24 2016 UTC using DSA key ID 80CA15A7
4 gpg: Good signature from "Wietse Venema <wietse@porcupine.org>"
```

1.1.d Installation

To install package firstly unpack it. After unpacking we need to configure building.

```
1 $ tar -xzvf postfix-3.1.2.tar.gz
2 $ cd postfix-3.1.2
3 $ make -f Makefile.init makefiles
4 $ make tidy
5 $ make makefiles shared=yes dynamicmaps=yes pie=no
```

Here used three compiling options:

- **shared=yes** to allow Postfix use shared libraries
- **dynamicmaps=yes** improve database-plugin support
- **pie=no** deny Position-Independent Executables, that can be used for ASLR exploit mitigation technique