# kali-linux下安装 ffp（fuzzy fingerprinting）

原创

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**wechall writeup**

## 题目： Anderson Application Auditing

## download

ffp现在用的不多，是用来模糊文件指纹的一种方式。ffp 全称为fuzzy fingerprinting。目前公司的官网和github上资源都挂了，指google上搜到了一个健在的资源 下载地址（需要翻墙）

## install

首先解压
```
tar -zxvf ffp-0.0.8.tar.gz
```
运行
```
cd ffp-0.0.8
```
```
./configure
```
发现报错，报错信息如下：

```
creating cache ./config.cache
checking for a BSD compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking whether make sets ${MAKE}... yes
checking for working aclocal-1.4... missing
checking for working autoconf... missing
checking for working automake-1.4... missing
checking for working autoheader... missing
checking for working makeinfo... missing
checking for gcc... gcc
checking whether the C compiler (gcc  ) works... yes
checking whether the C compiler (gcc  ) is a cross-compiler... no
checking whether we are using GNU C... yes
checking whether gcc accepts -g... yes
configure: error: *** Can't find recent OpenSSL libcrypto (see config.log for details) ***
```

错误信息是缺少openssl的libcrypto，应该是openssl有残缺，直接重新下载一遍

`sudo apt-get install openssl` 发现还是有问题，再下载

`sudp apt-get install libssl-dev` ,再次运行 `./configure` 应该是提示版本不一样，报错如下

```
loading cache ./config.cache
checking for a BSD compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking whether make sets ${MAKE}... yes
checking for working aclocal-1.4... missing
checking for working autoconf... missing
checking for working automake-1.4... missing
checking for working autoheader... missing
checking for working makeinfo... missing
checking for gcc... gcc
checking whether the C compiler (gcc  ) works... yes
checking whether the C compiler (gcc  ) is a cross-compiler... no
checking whether we are using GNU C... yes
checking whether gcc accepts -g... yes
checking whether OpenSSL's headers match the library... no
configure: error: Your OpenSSL headers do not match your library
```

再次运行 `apt-get install libssl1.0 libssl1.0-dev` ，完成下载之后，输入
`./configuere` 发现成功配置。

上一条指令结束后，输入 `make` 进行编译，返回如下

```
cd . && /root/Desktop/ffp-0.0.8/missing aclocal-1.4
/bin/sh: 1: /root/Desktop/ffp-0.0.8/missing: Permission denied
make: *** [Makefile:118: aclocal.m4] Error 126
```

我们查看报错信息，keyword是**missing aclocal-1.4**我们首先怀疑aclocal的库的版本不对，`aclocal --version` 发现无法识别命令，证明我们没有aclocal这个库，这个库是在automake里边的，直接下载automake，输入 `apt-get install automake` 发现不行，在下载libtool，其中也包含了aclocal,输入

```
tar -xzf libtool-2.4.2.tar.gz
cd libtool-2.4.2
./configure && make && sudo make install
```

再次在ffp文件夹中输入 `./configure && make` 发现不行，查看发现版本错误不符合。输入 `autoreconf -vfi` 后再次 `./configure && make && make install` 发现编译安装成功

## usage