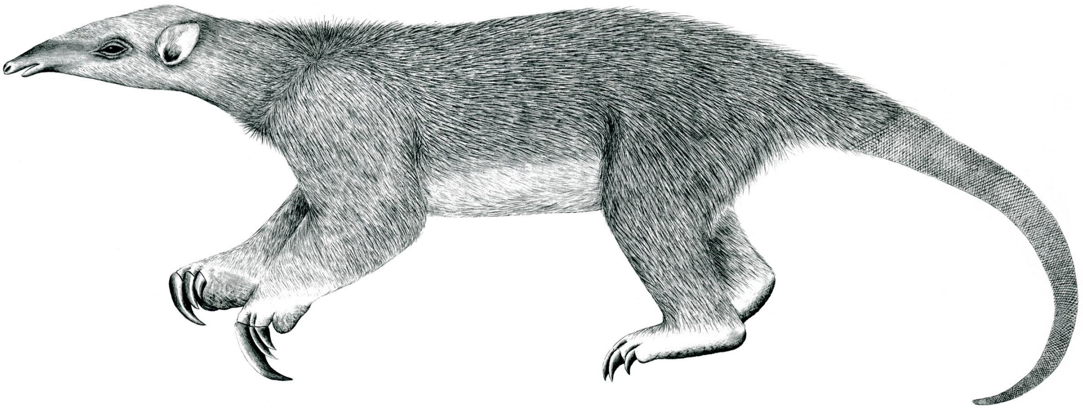
Tranalyzer2

p0f

OS/Application Fingerprinting (SSL)



Tranalyzer Development Team

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1 p0f

1.1 Description

The p0f plugin tries to fingerprint OS and applications.

1.2 Dependencies

1.2.1 Other Plugins

This plugin requires the **sslDecode** plugin with the following flags activated, i.e., set to 1:

- `SSL_EXT_LIST`
- `SSL_CIPHER_LIST`

1.2.2 Required Files

The file `p0f-ssl.txt` is required.

1.3 Configuration Flags

The following flags can be used to control the output of the plugin:

Name	Default	Description	Flags
`P0F_SSL_VER`	1	Consider the version for fingerprint match	
`P0F_SSL_NCIPHER`	1	Consider the number of ciphers for fingerprint match	
`P0F_SSL_NUMEXT`	1	Consider the number of extensions for fingerprint match	
`P0F_SSL_FLAGS`	1	Consider flags for fingerprint match	
`P0F_SSL_CIPHER`	1	Consider ciphers for fingerprint match	
`P0F_SSL_EXT`	1	Consider extensions for fingerprint match	
`P0F_SSL_ELEN`	6	Maximum length of cipher or extension	
`P0F_SSL_NSIG`	64	Maximum number of signatures to read	
`P0F_SSL_SLEN`	128	Maximum length of a string (os, browser, comment)	
`P0F_SSL_DB`	`"p0f-ssl.txt"`	Name of the database to use	

1.3.1 Environment Variable Configuration Flags

The following configuration flags can also be configured with environment variables (`ENVCNTRL>0`):

- `P0F_SSL_DB`

1.4 Flow File Output

The p0f plugin outputs the following columns:

Column	Type	Description	Flags
`p0fSSLRule`	U16	p0f SSL fingerprint rule number	
`p0fSSLOS`	S	p0f SSL OS fingerprint	
`p0fSSLOS2`	S	p0f SSL OS fingerprint (2)	
`p0fSSLBrowser`	S	p0f SSL browser fingerprint	
`p0fSSLComment`	S	p0f SSL fingerprint comment	

1.5 References

- https://idea.popcount.org/2012-06-17-ssl-fingerprinting-for-p0f