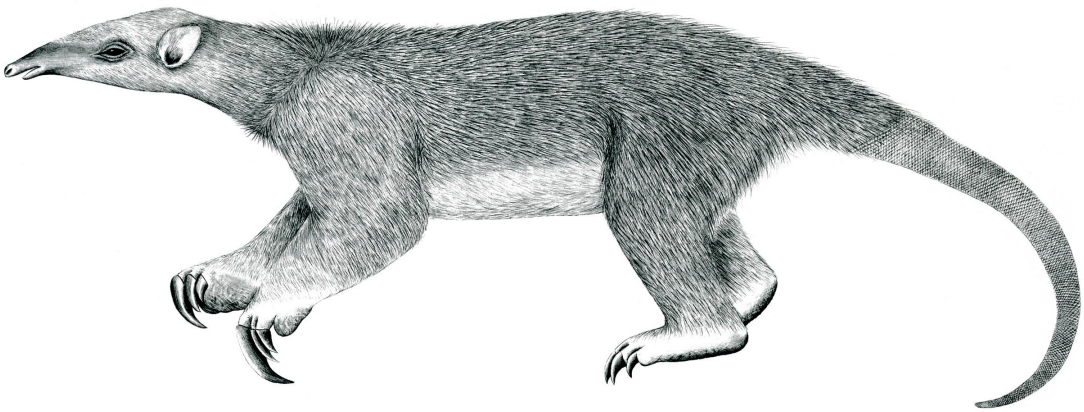
Tranalyzer2

fnameLabel

Filename Labeller



Tranalyzer Development Team

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1 fnameLabel

1.1 Description

The fnameLabel plugin tags every flow with the name of the file or interface from which the flow originates. Moreover, it adds a hash value or a label which represents the number contained in a file or a specific letter. It is predominantly used to automatically separate flows or packets created by the `-R` or `-D` option. It can be used, e.g., for training classifiers.

1.2 Configuration Flags

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

Name	Default	Description	Flags
`FNL_LBL`	1	1: Output label derived from input (Use `fileNum` for Tranalyzer `-D` option, otherwise, refer to `FNL_IDX`)	
`FNL_IDX`	1	Use the `FNL_IDX` letter of the filename as label (Tranalyzer `-R`/`-i`/`-r` options)	`FBL_LBL=1`
`FNL_HASH`	0	1: Output hash of filename	
`FNL_FLNM`	1	1: Output filename	
`FNL_FREL`	1	Use absolute (0) or relative (1) filenames for `fnLabel`, `fnHash` and `fnName`	
`FNL_NAMELEN`	1024	Max length for filename	

1.3 Flow File Output

The fnameLabel plugin outputs the following columns:

Column	Type	Description	Flags
`fnLabel`	U32	`FNL_IDX` letter of the filename/interface	`FNL_LBL=1`
`fnHash`	U64	Hash of the filename/interface	`FNL_HASH=1`
`fnName`	S	Filename	`FNL_FLNM=1`

Note that the filename refers to the file in which the flow was created.

1.4 Packet File Output

In packet mode (`-s` option), the fnameLabel plugin outputs the same columns as in the flow file.