ja-netfilter v1.2.0

A javaagent framework

Usage

- download from the [releases page](#)
- add `-javaagent:/absolute/path/to/ja-netfilter.jar` argument (**Change to your actual path**)

  - add as an argument of the `java` command. eg:
    `java -javaagent:/absolute/path/to/ja-netfilter.jar -jar executable_jar_file.jar`
  - some apps support the `JVM Options file`, you can add as a line of the `JVM Options file`.
  - **WARNING: DO NOT put some unnecessary whitespace characters!**

- edit your own rule list config file. The `ja-netfilter` will look for it in the following order(find one and stop searching):

  - passed as args of `-javaagent`. eg:
    `-javaagent:/absolute/path/to/ja-netfilter.jar=/home/neo/downloads/janf_config.txt`
  - file path in environment variable: `JANF_CONFIG`
  - file path in `java` startup property: `janf.config`.
    `eg: java -Djanf.config="/home/neo/downloads/janf_config.txt"`
  - some apps support the `JVM Options file`, you can add as a line of the `JVM Options file`.
    `eg: -Djanf.config="/home/neo/downloads/janf_config.txt"`
  - file path in the same dir as the `ja-netfilter.jar`, no need for additional configuration (**PREFERRED!**)
  - file path in your home directory, named: `.janf_config.txt`.
    `eg: /home/neo/.janf_config.txt`
  - file path in the subdirectory named `.config` in your home directory.
    `eg: /home/neo/.config/janf_config.txt`
  - file path in the subdirectory named `.local/etc` in your home directory.
    `eg: /home/neo/.local/ect/janf_config.txt`
  - file path in the directory named `/usr/local/etc`.
    `eg: /usr/local/etc/janf_config.txt`
  - file path in the directory named `/etc`. eg: `/etc/janf_config.txt`

- run your java application and enjoy~

Config file format

```
[ABC]
# for the specified plugin called "ABC"


[URL]
EQUAL,https://someurl


[DNS]
EQUAL,somedomain


# EQUAL        Use `equals` to compare
# EQUAL_IC     Use `equals` to compare, ignore case
# KEYWORD      Use `contains` to compare
# KEYWORD_IC   Use `contains` to compare, ignore case
# PREFIX       Use `startsWith` to compare
# PREFIX_IC    Use `startsWith` to compare, ignore case
# SUFFIX       Use `endsWith` to compare
# SUFFIX_IC    Use `endsWith` to compare, ignore case
# REGEXP       Use regular expressions to match
```

Debug info

- the `ja-netfilter` will **NOT** output debugging information by default
- add environment variable `JANF_DEBUG=1` and start to enable it
- or add system property `-Djanf.debug=1` to enable it

Plugin system

- for developer:

  - view the [scaffold project](#) written for the plugin system
  - compile your plugin and publish it
  - just use your imagination~

- for user:

  - download the jar file of the plugin
  - put it in the subdirectory called `plugins` where the ja-netfilter.jar file is located
  - enjoy the new capabilities brought by the plugin