
Masquerade

Release 1.0

Mar 06, 2020

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In a nutshell Masquerade can hide your sensible data. We use it to upload our data to Artificial Intelligence clouds safely.

CHAPTER 1

Why Masquerade

Work with data are a real need, but we can export information with sensitive data. Masquerade help you to do that. Contributions are welcome, see [CONTRIBUTING.md](#) or skim existing tickets to see where you could help out.

CHAPTER 2

Documentation

You can find the complete documentation at: [Documentation](#)

CHAPTER 3

Authors

Masquerade was made by Security BBVA-Labs Team members:

- Cesar Gallego

CHAPTER 4

License

API-Check is Open Source and available under the [Apache 2 license](#).

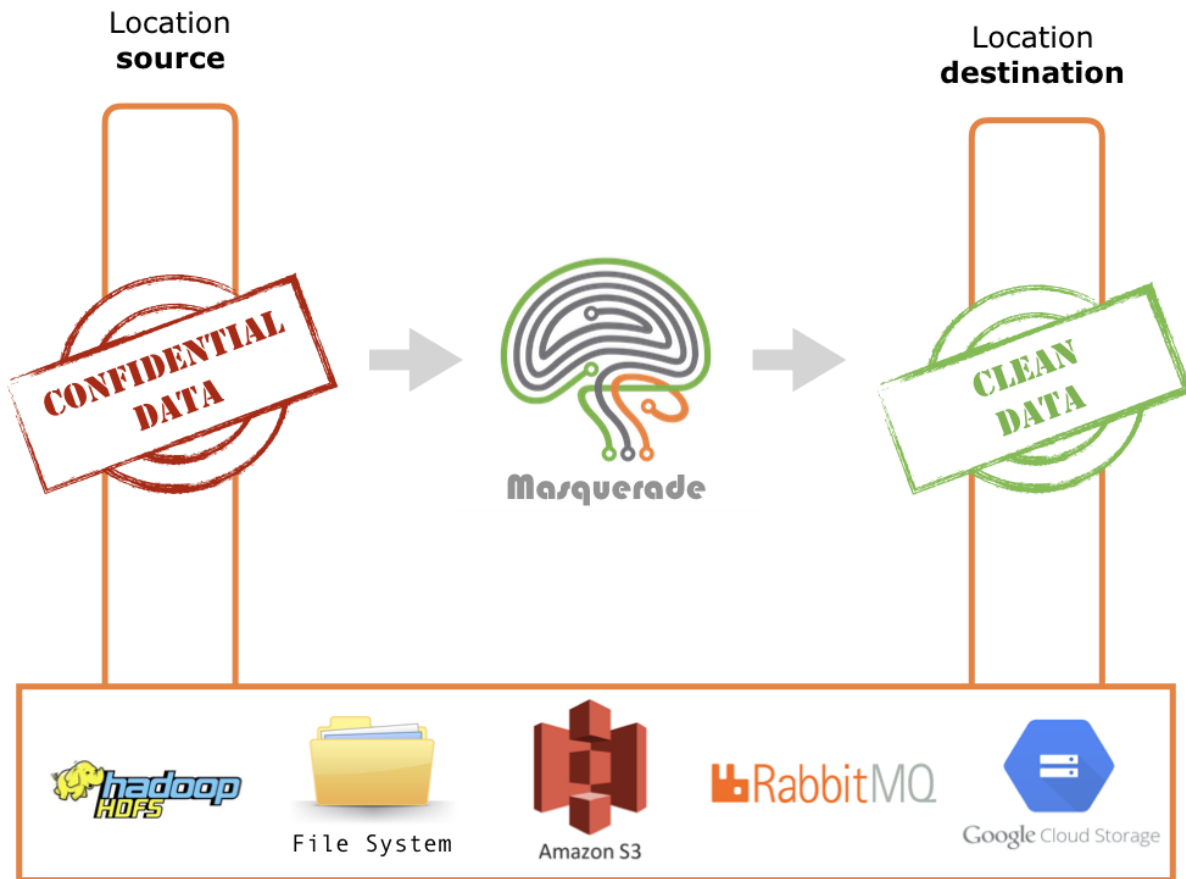
CHAPTER 5

Contributions

Contributions are very welcome. See [CONTRIBUTING.md](#) or skim existing tickets to see where you could help out.

6.1 Overview

Masquerade has the power to read from many different locations as source, and export the obfuscated data to a different location **in streaming** and with a very high performance.



Examples:

1. You can read data from a **S3 Bucket**, obfuscate data, and export results to **local file system**.
2. You can read data from a **S3 Bucket**, obfuscate data, and export results to **HDFS File System**.
3. You can read data from a **HDFS Filesystem**, obfuscate data, and export results to **Google Cloud Storage**.
4. You can read data from a **S3 bucket**, obfuscate data, and export results to another **S3 Bucket**.

6.2 Installation

To install Masquerade you need [GoLang](#) compilation tools.

Just make, it will put their binaries into \$GOPATH/bin.

```
> make
```

Ensure that \$GOPATH/bin it's in your path:

```
> export PATH=$(go env GOPATH)/bin:$(go env GOROOT)/bin:$PATH
```

6.3 Overview

Masquerade allows different formats as input / output. Here you can find the complete list.

6.4 CSV

The simplest format.

There is two executables: maskcsvin and maskcsvout.

6.5 CSV -> MsgPack

```
> echo hello,World | maskcsvin > binary.out
```

Will return binary format of the csv.

6.6 From MsgPack -> CSV

```
> cat binary.out | maskcsvout
```

Will return "hello","World".

A complete usage may be:

```
> echo hello,World | maskcsvin | maskcsvout
```

Will return "hello","World". Notice that our process add quotes, thats because our binary don't know how looks the original csv, so try to build the most "correct" one.

6.7 Custom separator

You can use another separator like '|' or '@'. Just provide separator param.

```
> echo hello@World | maskcsvin -separator '@' | maskcsvout -separator '|'
```

Will return "hello"| "World".

6.8 Overview

Masquerade allows different locations as sources / output. Here you can find the complete list.

6.9 RabbitMQ

To read from Rabbit use:

```
> maskrabbitin -dial amqp://guest:guest@localhost:5672/ -channel test
```

This command will consume the queue and output the content into Standard Output.

To write on Rabbit use:

```
> cat data | maskrabbitout -dial amqp://guest:guest@localhost:5672/ -channel test
```

This command will send lines from data file into RabbitMQ.

You can copy a queue using this commands together:

```
> maskrabbitin -dial amqp://guest:guest@localhost:5672/ -channel topicA |  
↪maskrabbitout -dial amqp://guest:guest@localhost:5672/ -channel topicB
```

6.10 HDFS

HDFS has stdio support, just use is as follows.

To read:

```
> hdfs dfs -cat data.csv
```

To write:

```
> cat data.csv | hdfs dfs -put - data.csv
```

6.11 S3

This services can be accesed with stdio support thru [minio-cli](#)

6.12 GCS (Google Cloud Storage)

This services can be accesed with stdio support thru [minio-cli](#)

6.13 Indices and tables

- [genindex](#)
- [modindex](#)
- [search](#)