

DSU Explorer

- DSU Explorer
 - Implemented operations
 - * File
 - * DSU
 - * Code Documentation
 - * References
 - * Auxiliary

Allows the user to navigate through the files of a newly created DSU in a Linux manner. Implements: - the behaviour of basic UNIX file navigation commands.
- several commands from TotalCommander taken as example from here

Implemented operations

File

- ls => list the files
- touch => creates a file
- cd - go to directory
- mkdir - create directory
- write - write the content of a file to a specified path
- cat - gets the file content
- sha256 - calculates sha256 of a file
- dups - finds duplicate files
- pwd - print working directory

DSU

- We are initializing a DSU if none is found (via Enclaves APIs).

Code Documentation

Documentation has been generated via JSDoc and can be found here; It can be regenerated using the command:

```
jsdoc main.js
```

This requires global installation of the jsdoc module:

```
npm install -g jsdoc
```

References

We used the documentation written here for OpenDSU, more specifically DSU Object (RFC063) and Enclaves (RFC-097).

Auxiliary

PDF Documentation has been created using pandoc with pdflatex engine from a markdown file. Command:

```
pandoc README.md -f markdown-implicit_figures -s -o ReadMe.pdf
```