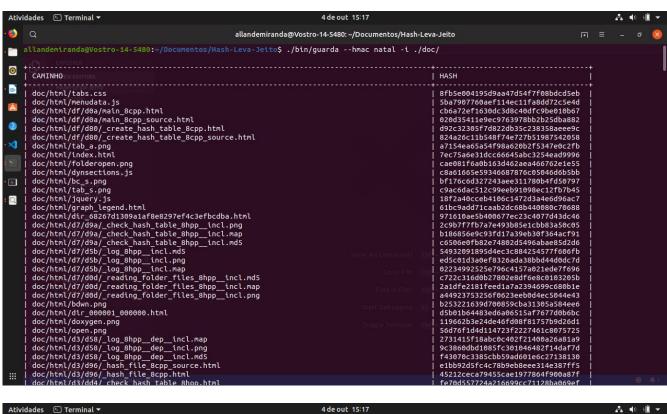
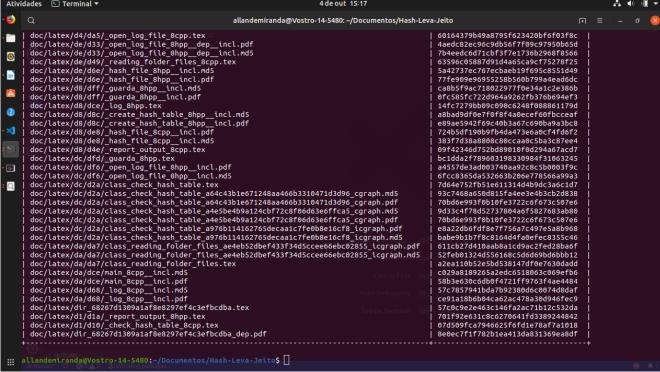
Criando guarda HMAC com senha "natal" na pasta doc/





Vamos criar um arquivo teste.txt dentro da pasta doc

```
A 🕩 🛍
 6
             doc/latex/d8/de8/_hash_file_8cpp__incl.md5
doc/latex/d8/d4e/_report_output_8cpp.tex
doc/latex/dc/dfd/_guarda_8hpp.tex
doc/latex/dc/dfd/_open_log_file_8hpp__incl.md5
doc/latex/dc/df6/_open_log_file_8hpp__incl.md5
doc/latex/dc/df6/_open_log_file_8hpp__incl.md5
doc/latex/dc/d2a/class_check_hash_table_tex
doc/latex/dc/d2a/class_check_hash_table_a64c43b1e671248aa466b3310471d3d96_cgraph.md5
doc/latex/dc/d2a/class_check_hash_table_a64c43b1e671248aa466b3310471d3d96_cgraph.md5
doc/latex/dc/d2a/class_check_hash_table_a4e5be4b9a124cbf72c8f606d3e6ffca5_cgraph.md5
doc/latex/dc/d2a/class_check_hash_table_a976b114162765decaa1c7fe0b8e16cf8_icgraph.md5
doc/latex/dc/d2a/class_check_hash_table_a976b114162765decaa1c7fe0b8e16cf8_icgraph.pdf
doc/latex/da/da7/class_reading_folder_files_ae4eb52dbef433f34d5ccee66ebc02855_icgraph.md5
doc/latex/da/da7/class_reading_folder_files_ae4eb52dbef433f34d5ccee66ebc02855_icgraph.md5
doc/latex/da/da7/class_reading_folder_files_betex
doc/latex/da/da6/_nain_8cpp__incl.md5
doc/latex/da/da6/_nain_8cpp__incl.md5
doc/latex/da/d68/_log_8cpp_incl.md5
doc/latex/da/d68/_log_8cpp_incl.md5
doc/latex/da/d68/_log_8cpp_incl.md5
doc/latex/da/d68/_log_8cpp_incl.md5
doc/latex/da/da6/_class_reading_folder_files_tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_hash_table_gp.tex
doc/latex/da/da6/_class_check_dash_gp.pdf
                                                                                                                                                                     allandemiranda@Vostro-14-5480: ~/Documentos/Hash-Leva-Jeito
                                                                                                                                                                                                                                                                                                                          383f7d38a8808c80ccaa0c5ba3c87ee4
09f42346d752bd89010f0d294a67acd7
                                                                                                                                                                                                                                                                                                                          bc1dda2f789603198330984f31063245
a4557de3ad003740aa92c8c5b0003f9c
0
                                                                                                                                                                                                                                                                                                                          6fcc8365da532663b206e778566a99a3
7d64e752fb51e611314d4b9dc3a6c1d7
=
                                                                                                                                                                                                                                                                                                                          93c7468a650d815fa4ee3e4b3cb2d838
70bd6e993f0b10fe3722c6f673c507e6
                                                                                                                                                                                                                                                                                                                          9d33c4f78d52737804a6f5827683ab80
70bd6e993f0b10fe3722c6f673c507e6
0
                                                                                                                                                                                                                                                                                                                          e8a22db6fdf8e7f756a7c497e5a8b968
babe9b1b7f8c8164d4fa0efec8355c46
×
                                                                                                                                                                                                                                                                                                                          611cb27d410aab8a1cd9ac2fed28ba6f
52feb01324d556168c5d6d69bd6bbb12
                                                                                                                                                                                                                                                                                                                          a2ea110b52e5bd538147df0e7630dadd
c029a8189265a2edc6518063c069efb6
4
                                                                                                                                                                                                                                                                                                                           58b3e630c6db0f4721ff9763f4ae4484
57c7857941bda7b92380d6c0074d8daf
Q
                                                                                                                                                                                                                                                                                                                           ce91a18b6b04ca62ac478a30d946fec9
                                                                                                                                                                                                                                                                                                                           57c0c9e2e463c146fa2ac71b12c532da
                                                                                                                                                                                                                                                                                                                          701f92e631c8c6270641fd3389244842
07d509fca7946625f6fd1e78af7a1018
                doc/latex/dir_68267d1309a1af8e8297ef4c3efbcdba_dep.pdf
                                                                                                                                                                                                                                                                                                                          8e0ec7f1f782b1ea413da831369ea8df
            allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ls -l doc/
          drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
          drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
                                      iranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ echo testeA > doc/teste.txt
iranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ ls -l doc/
          total 16
         total 16
drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
-rw-r--r-, 1 allandemiranda allandemiranda 7 out 4 15:17 teste.txt
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jeito$
```

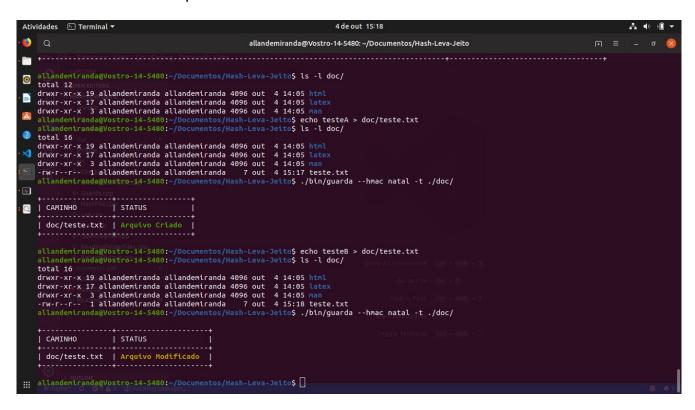
Executando rastreio na pasta doc

```
Atividades № Terminal ▼
                                                                                                                                                          4 de out 15:18
allandemiranda@Vostro-14-5480: ~/Documentos/Hash-Leva-Jeito
         doc/latex/dc/d2a/class_check_hash_table_a4eSbe4b9a124cbf72c8f06dd3e6ffca5_cgraph.md5
doc/latex/dc/d2a/class_check_hash_table_a4eSbe4b9a124cbf72c8f06dd3e6ffca5_cgraph.pdf
doc/latex/dc/d2a/class_check_hash_table_a976b114162765decaa1c7fe0b8e16cf8_icgraph.pdf
doc/latex/da/da7/class_check_hash_table_a976b114162765decaa1c7fe0b8e16cf8_icgraph.pdf
doc/latex/da/da7/class_reading_folder_files_ae4eb52dbef433f34d5ccee66ebc02855_icgraph.pdf
doc/latex/da/da7/class_reading_folder_files_ae4eb52dbef433f34d5ccee66ebc02855_icgraph.pdf
doc/latex/da/da7/class_reading_folder_files.tex
doc/latex/da/da6/anin_8cpp__incl.md5
doc/latex/da/da6/log_8cpp_incl.pdf
doc/latex/da/d68/log_8cpp_incl.pdf
doc/latex/da/d68/log_8cpp_incl.pdf
doc/latex/da/d68/log_8cpp_incl.pdf
doc/latex/da/d68/log_8cpp_incl.pdf
doc/latex/da/d68/log_ecpp_incl.pdf
doc/latex/da/d68/log_ecpp_incl.pdf
doc/latex/da/da6/dc_eck_hash_table_8cpp.tex
doc/latex/dd/dda/check_hash_table_8cpp.tex
doc/latex/dd/dda/check_hash_table_8cpp.tex
doc/latex/dd/da6/efa68267d1309a1af8e8297ef4c3efbcdba_dep.pdf
                                                                                                                                                                                                                    9d33c4f78d52737804a6f5827683ab80
                                                                                                                                                                                                                     70bd6e993f0b10fe3722c6f673c507e6
                                                                                                                                                                                                                    e8a22db6fdf8e7f756a7c497e5a8b968
babe9b1b7f8c8164d4fa0efec8355c46
0
                                                                                                                                                                                                                    611cb27d410aab8a1cd9ac2fed28ba6f
=
                                                                                                                                                                                                                     52feb01324d556168c5d6d69bd6bbb12
                                                                                                                                                                                                                    a2ea110b52e5bd538147df0e7630dadd
c029a8189265a2edc6518063c069efb6
                                                                                                                                                                                                                     58b3e630c6db0f4721ff9763f4ae4484
0
                                                                                                                                                                                                                     57c7857941bda7b92380d6c0074d8daf
                                                                                                                                                                                                                    ce91a18b6b04ca62ac478a30d946fec9
                                                                                                                                                                                                                     57c0c9e2e463c146fa2ac71b12c532da
                                                                                                                                                                                                                     701f92e631c8c6270641fd3389244842
                                                                                                                                                                                                                     07d509fca7946625f6fd1e78af7a1018
                                                                                                                                                                                                                    8e0ec7f1f782b1ea413da831369ea8df
4
       allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ls -l doc/
Q
       total 12
       drwxr-xr-x-19 allandemiranda allandemiranda 4096 out 4 14:05 htm
      drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
                                                               5480:~/Documentos/Hash-Leva-Jeito$ echo testeA > doc/teste.txt
       total 16
      drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
-rw-r--r- 1 allandemiranda allandemiranda 7 out 4 15:17 teste.txt
                                                                                                                        -Jeito$ ./bin/guarda --hmac natal -t ./doc/
       I CAMINHO
       | doc/teste.txt | Arquivo Criado |
     allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$
```

Modificando arquivo teste.txt

```
4 de out 15:18
                                                                                                                                                                                                                                                                                 A 🕩 🛍
6
                                                                                                     allandemiranda@Vostro-14-5480: ~/Documentos/Hash-Leva-Jeito
        doc/latex/da/dce/main_8cpp_incl.md5
doc/latex/da/dce/main_8cpp_incl.pdf
doc/latex/da/d68/log_8cpp_incl.md5
doc/latex/da/d68/log_8cpp_incl.pdf
doc/latex/da/d68/log_8cpp_incl.pdf
doc/latex/dir_68267d1309a1af8e8297ef4c3efbcdba.tex
doc/latex/dir_68267d1309a1af8e8297ef4c3efbcdba.tex
doc/latex/dir_68267d1309a1af8e8297ef4c3efbcdba_dep.pdf
                                                                                                                                                                                                  c029a8189265a2edc6518063c069efb6
                                                                                                                                                                                                  58b3e630c6db0f4721ff9763f4ae4484
                                                                                                                                                                                                 57c7857941bda7b92380d6c0074d8daf
ce91a18b6b04ca62ac478a30d946fec9
0
                                                                                                                                                                                                  57c0c9e2e463c146fa2ac71b12c532da
701f92e631c8c6270641fd3389244842
=
                                                                                                                                                                                                 07d509fca7946625f6fd1e78af7a1018
8e0ec7f1f782b1ea413da831369ea8df
2
       allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ls -l doc/
     total 12
     drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 3. allandemiranda allandemiranda 4096 out 4 14:05 man
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jetto$ echo testeA > doc/teste.txt
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jetto$ cho testeA > doc/teste.txt
4
     drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 latex
-rw-r--r- 1 allandemiranda allandemiranda 7 out 4 15:17 teste.txt
      allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ./bin/guarda --hmac natal -t ./doc/
      | doc/teste.txt | Arquivo Criado |
      allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ echo testeB > doc/teste.txt allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ls -l doc/
      total 16
```

Executando rastreio na pasta doc



Removendo arquivo teste.txt

```
4 de out 15:18
                                                                                                                                                                                                                                               ♣ ♦ 4
(
                                                                                         allandemiranda@Vostro-14-5480: ~/Documentos/Hash-Leva-Jeito
      allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ls -l doc/
     total 12
drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
     drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
                  miranda@vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ echo testeA > doc/teste.txt
miranda@vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ ls -l doc/
0
     drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
    drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 13 allandemiranda allandemiranda 4096 out 4 14:05 man
-rw-r--r--1 allandemiranda allandemiranda 7 out 4 15:17 teste.txt
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jetto$ ./bin/guarda --hmac natal -t ./doc/
4
                         IshFile.cop
      I CAMINHO
Q
     | doc/teste.txt | Arquivo Criado
     allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ echo testeB > doc/teste.txt allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ls -l doc/
     drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
-rw-r--r- 1 allandemiranda allandemiranda 7 out 4 15:18 teste.txt
allandemirandagVostro-14-5480:-/Documentos/Hash-Leva-Jetto$ ./bin/guarda --hmac natal -t ./doc/
     | CAMINHO | STATUS
        doc/teste.txt | Arquivo Modificado |
    allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ rm doc/teste.txt allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$
```

Executando rastreio na pasta doc

```
4 de out 15:18
allandemiranda@Vostro-14-5480: ~/Documentos/Hash-Leva-Jeito
     total 16 Selection Yiew Go Debug Terminal Help
drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
     drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 13 allandemiranda allandemiranda 4096 out 4 14:05 man
-rw-r-r--1 allandemiranda allandemiranda 7 out 4 15:17 teste.txt
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ ./bin/guarda --hmac natal -t ./doc/
=
                                   | STATUS
      I CAMINHO
0
         doc/teste.txt | Arquivo Criado |
×
     allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ echo testeB > doc/teste.txt
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jeito$ ls -l doc/
total 16
     total 16. Constant
drwxr-xr-x 19 allandemiranda allandemiranda 4096 out 4 14:05 html
drwxr-xr-x 17 allandemiranda allandemiranda 4096 out 4 14:05 latex
drwxr-xr-x 3 allandemiranda allandemiranda 4096 out 4 14:05 man
-rw-r--r--1 allandemiranda allandemiranda 7 out 4 15:18 teste.txt
allandemiranda@Vostro-14-5480:-/Documentos/Hash-Leva-Jetto$ ./bin/guarda --hmac natal -t ./doc/
       | doc/teste.txtHa| Arquivo Modificado
     allandentranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ rm doc/teste.txt allandentranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$ ./bin/guarda --hmac natal -t ./doc/
                            | STATUS
      CAMINHO
      | doc/teste.txt |
    allandemiranda@Vostro-14-5480:~/Documentos/Hash-Leva-Jeito$
```

Executando rastreio na pasta doc com senha diferente

