

S4lab questions

Hamidreza Sanaee 400200868

December 9, 2021

1 Why .git files could be dangerous

As we know for private repositories you have to verify yourself every time you need to push, pull or to be precise interact with these repos on git server. It's a bit frustrating so people usually add their credentials to .git/config to get rid of this nuisance. So it's obvious that if you share your .git files anyone can get access to your config file and find your credentials.

2 How can we find similar text files when we have 2**48 of them

First thing that comes to mind when we are trying to distinct items in large quantity is hashing. we can use maybe locality sensitive hashing to do so but also there are many automated tools like [Apache Lucene](#) that can help us in these tasks.

3 Dump binary code of a C file with radare2

First we need to install radare2:

```
git clone https://github.com/radareorg/radare2
radare2/sys/install.sh
```

Then we need to compile our Hello-world.c file:

```
clang Hello-world.c
```

Then we have our object file a.out. Now all we have to do is use radare2 to dump the binary code:

```
r2 -q -c 'pi $s' ./a.out > out.txt
```