Informatik 2023
Arbeitskreis Open Source Software
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Exercise 1 / September 27, 2023
Open Source Workshop / AK-OSS 2023
10 Minutes Total

Exercise Introduction

This sheet covers additional exercise material for the presentation about publishing your own open source code.

Contents

Task 1: Hide your secrets (10 min)

Task Preparation

1. clone 2023-informatik-workshop-publish-code

2. create a venv inside this repository

3. activate the venv

4. install all dependencies

5. download the `bfg repo cleaner` here

Removing secrets

1. Remove the `ssh` keys from the history using the `bfg repo cleaner`

2. Find the password which was used for the request in `fetch-weather-data.py`

3. Remove this passphrase from the history using the `bfg repo cleaner`

Hints

- You can have a look at the commit history to find the passphrase which was accidentally commited.

Further Reading

- github: removing sensitive data from a repository

- bfg repo cleaner: examples

```
https-server.py

from http.server import HTTPServer, BaseHTTPRequestHandler


class SimpleHTTPRequestHandler(BaseHTTPRequestHandler):
    def do_GET(self):
        self.send_response(200)
        self.end_headers()
        self.wfile.write(b'Hello, world!')



HOSTNAME = "localhost"
PORT = 8000
httpd = HTTPServer((HOSTNAME, PORT), SimpleHTTPRequestHandler)
print("Server starting at http://" + HOSTNAME + ":" + str(PORT))
httpd.serve_forever()
```