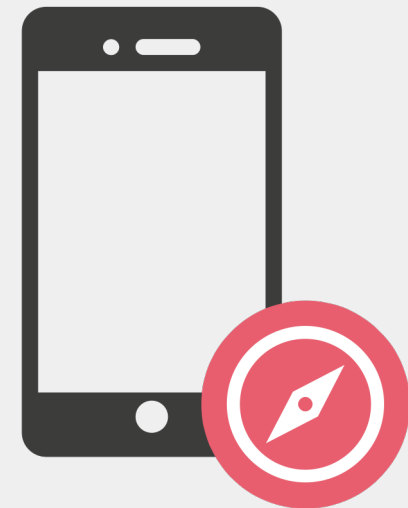


# DownLoader

COMPASS NUM-APP

06.04.2021



# Objectives

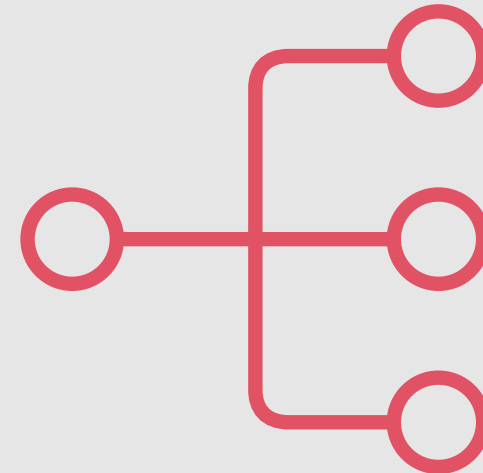
After this session, you should be able to:

- Understand the functions of the downloader
- Run the downloader



# Agenda

- Functionality
- Code Walkthrough
- Local Setup
- Postman Collection
- Q&A



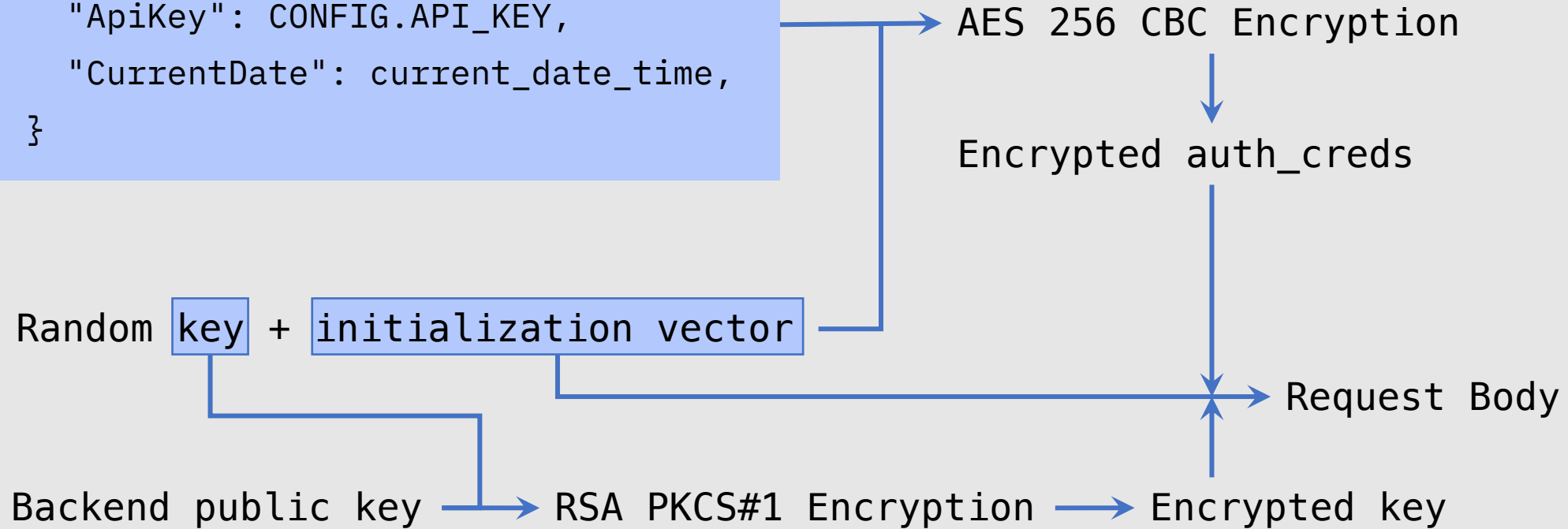
# Functionality

# Main Steps

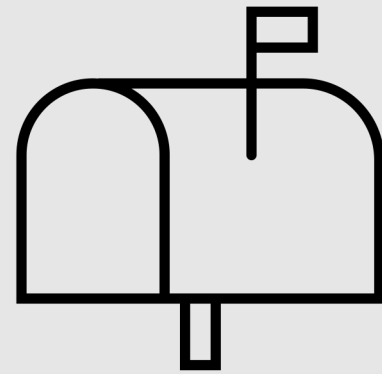
1. Request authentication token
2. Retrieve all current data from queue via pagination & validate signature
3. Decryption questionnaire responses
4. Log decrypted questionnaire responses
5. Delete decrypted questionnaire responses from queue

# Step 1: Request Auth Token

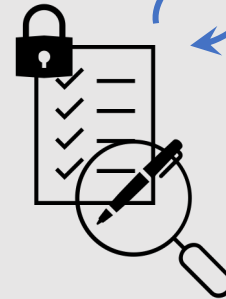
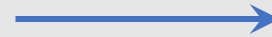
```
auth_creds = {
  "ApiID": CONFIG.API_ID,
  "ApiKey": CONFIG.API_KEY,
  "CurrentDate": current_date_time,
}
```



# Step 2: Get Data



**Queue**

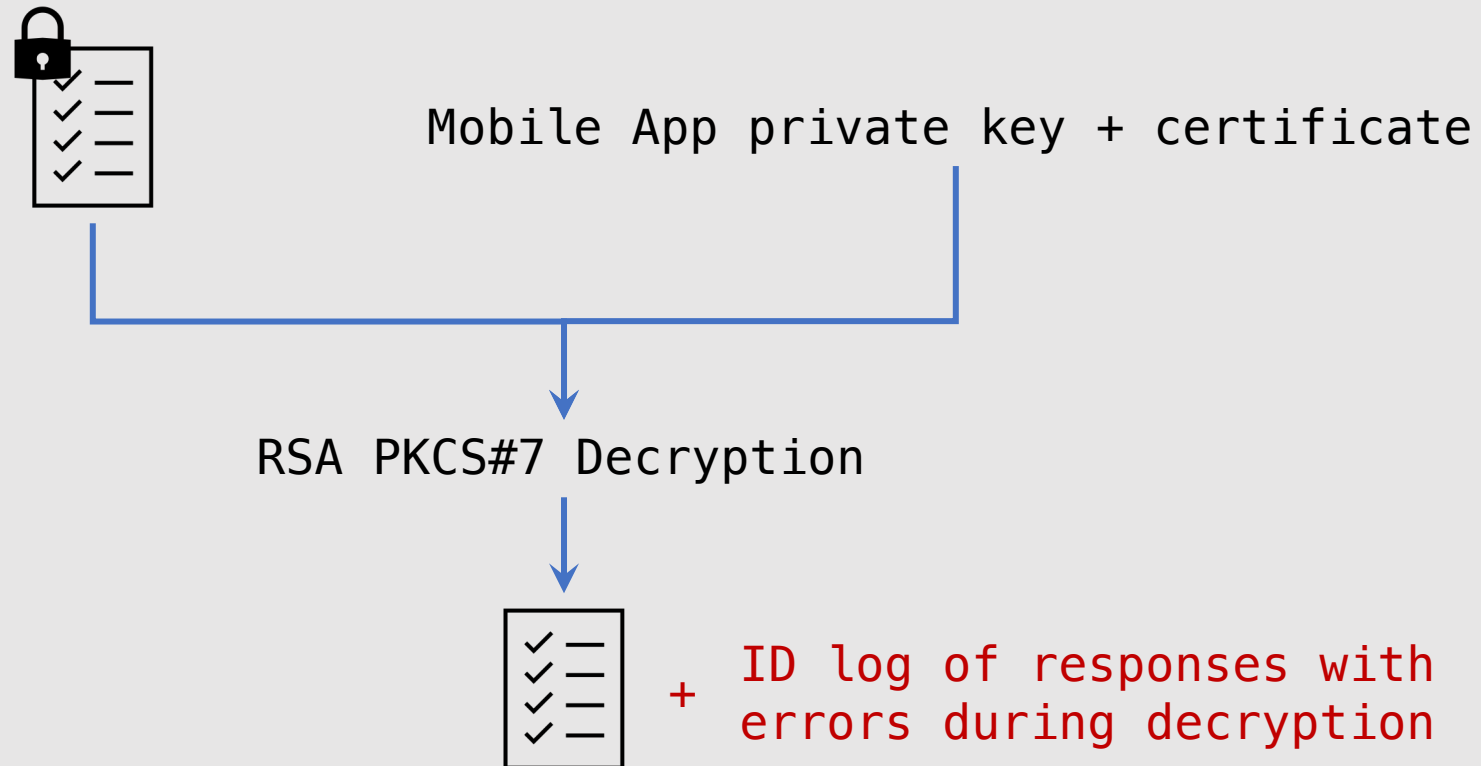


**Page 1**

**Repeat for  
remaining pages**



# Step 3: Decrypt Responses

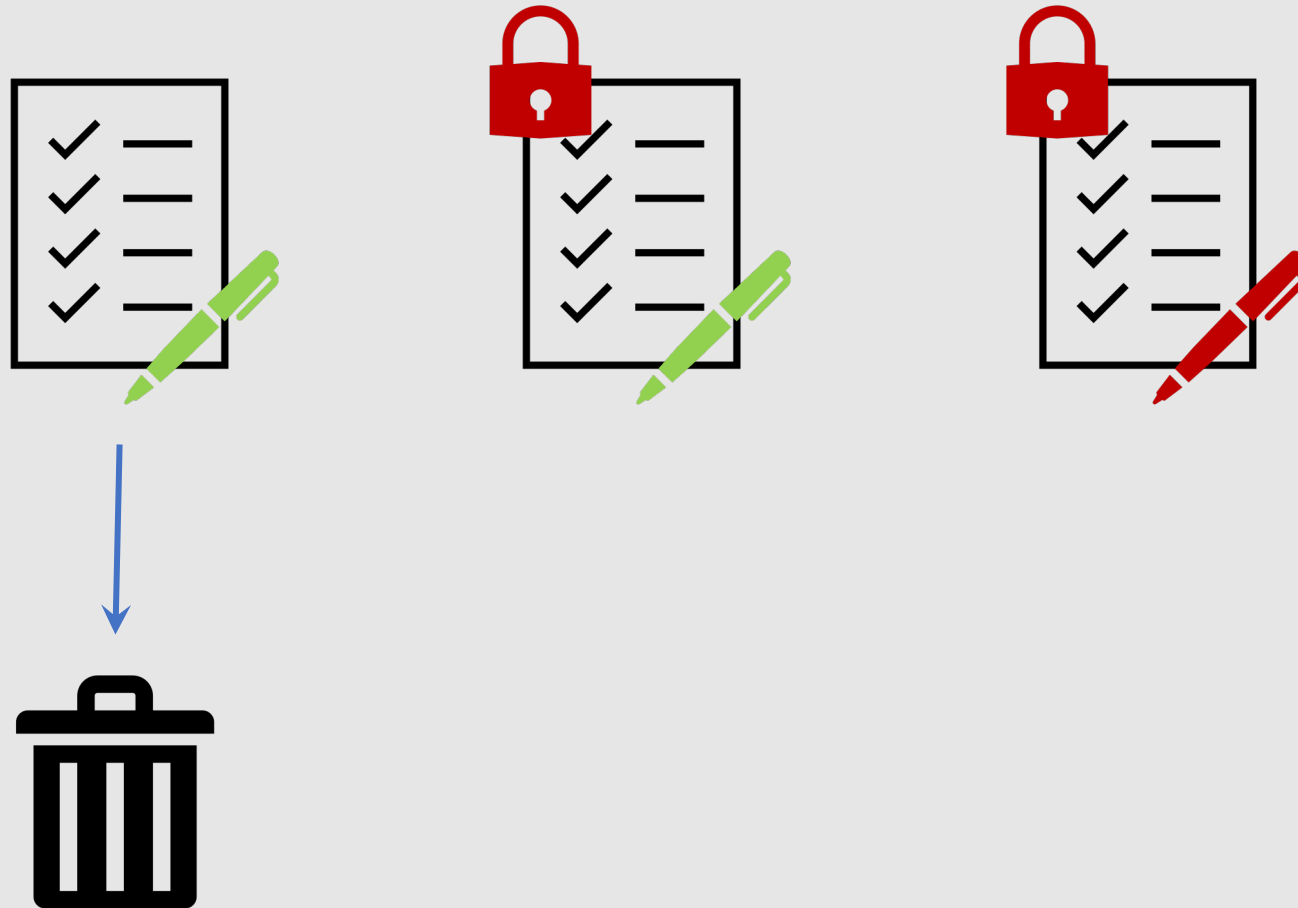




# Step 4: Log Decrypted Responses

```
UUID, AppId, JSON, AbsendeDatum, ErhaltenDatum  
1f4e3378-9c41-4b06-9003-7469269ca1ee, 7bfc3b07-a97d-4e11-8ac6-  
b970c1745476, {"type": "questionnaire_response", "data": {"appId": "  
7bfc3b07-a97d-4e11-8ac6-  
b970c1745476", "body": {"author": "7bfc3b07-a97d-4e11-8ac6-  
b970c1745476", "item": [{"linkId": "...", "questionnaire": "  
http://hl7.org/fhir/Questionnaire/FragebogenCOVID19_Kurzversion"}]},  
2021-02-24T08:59:12.169Z, 2021-02-24T08:55:15.644Z
```

# Step 5: Delete Responses



# Code Walkthrough

# Local Setup

# Setup Steps

1. Add key files to /keys folder
2. Copy *config.sample* File and rename to *config.py*
3. Specify config parameters

# Execution Options

## *Recommendation*



1. Set LOG\_DIR variable in Makefile
2. make docker-build
3. make docker-run

## *Alternative*

1. pip install -r requirements.txt
2. python downloader.py

# Postman Collection

# Postman Authorization

```
get-token: ## overwrite docker entry to retrieve auth token
docker run --name $(CONTAINER_NAME) $(IMAGE_NAME) \
python -c \
'from downloader import get_authentication_token; \
import sys; \
print(get_authentication_token(), file=sys.stderr) \
' 2>&1 1>/dev/null
```

Retrieve auth token via make `get-token`

compass-numapp-backend-downloa... Watch 0 Fork Run Save Share

Authorization ● Pre-request Script Tests Variables ●

This authorization method will be used for every request in this collection. You can override this by specifying one in the request.

Type

The authorization header will be automatically generated when you send the request.  
[Learn more about authorization ↗](#)

Token



# Q&A

# Q&A

*What questions  
do you have?*

