

## **Sprint 1 Update - Namruth (Team Nadal)**

Virus total is an open-source AV engine service that comprises more than 70 AV engines. It has rich API support with various kinds of functions -

<https://developers.virustotal.com/reference/overview>

My goal by the end of sprint 1 was to implement at least two APIs that can perform the basic functionality of an AV engine such as uploading the file and getting a scan report.

Both functionalities have been implemented using the upload\_file and get\_file\_report APIs. We are parsing the response sent by Virus Total in the form of JSON and creating a summary report and a detailed results report. The summary report just tells us how many engines identified this file as malicious or not. Detailed report shows the results of each scan engine.

As discussed in class today, we have also built integrations with DynamoDB and S3 to act as database and file storage respectively. We have built API wrappers to tailor to the needs of this project.

All the details regarding the code can be found in the Github repo here -

<https://github.com/a-sarja/Revisor>