Cymon information page

This pdf provides information about the following ip http://tweakers.net this website provides information about technology and is used by million of dutch people, we are going to use pythong and the CYNOM API to further examen this website.

First i will explain how I am using python to extract information about http://tweakers.net

the first step to:

Python:

- import json #to import JSON library
- import cymon #to impport CYMON API library

The next step is to add your api key:

Python:

- api = cymon.Cymon('a24ab574029d8a3a089f992b8a1c405dd68***')

the final step is to write the information into a file:

Python:

- with open('data.json', 'w') as outfile:
- json.dump(api.ip_events('213.239.154.20'), outfile)

As you notice there is an ip i am using the api.ip_events method in the CYMON API to get my dataset.

R code:

- The updated information on the site:

```r
library(jsonlite)
data <- fromJSON('/home/mchegzade/Documents/srt411/assignment1/data.json',  flatten=TRUE)

updated <- c(data$results$updated)
description <- c(data$results$description)
info.data <- data.frame(updated, description)

head(info.data)
```

```
##                updated
## 1 2015-09-01T23:10:52Z
## 2 2015-09-01T23:10:52Z
## 3 2015-08-10T18:27:34Z
## 4 2015-08-10T18:32:44Z
## 5 2015-08-10T18:32:45Z
##                                                                                                description
## 1                                                                                                     <NA>
## 2                                                                                                     <NA>
## 3    Malicious files: 1\nSuspicious files: 0\nIframes scanned: 25\nExternal links detected: 100\nBlacklisted: No\nServer: Apache
## 4             Scan date: 2015-08-10 17:43:20\nVirusTotal score: 2/63\nDomain: tweakers.net\nMalware URL: http://tweakers.net/\n
## 5 Scan date: 2014-11-02 09:13:46\nVirusTotal score: 1/60\nDomain: secure.tweakers.net\nMalware URL: http://secure.tweakers.net/\n
```

R code:

- The type of danger information on the site:

```r
library(jsonlite)
data <- fromJSON('/home/mchegzade/Documents/srt411/assignment1/data.json',  flatten=TRUE)

created <- data$results$created

title <- data$results$title
tag <- data$results$tag
detail <- data$results$details_url

mal.data <- data.frame(created, tag, title)

head(mal.data)
```

```
##                created     tag                            title
## 1 2015-09-01T23:10:52Z   dnsbl    IP blacklisted by dnsbl.ahbl.org
## 2 2015-09-01T23:10:52Z   dnsbl      IP blacklisted by tor.ahbl.org
## 3 2015-08-10T17:43:41Z malware    Malware reported by quttera.com
## 4 2015-08-10T17:43:20Z malware Malware reported by VirusTotal.com
## 5 2014-11-02T09:13:46Z malware Malware reported by VirusTotal.com
```

This concludes the basic information what Cymon API provides