

Alpha Presentation

Automotive Specific Dark Web Threat Intelligence

The Capstone Experience

Team GM

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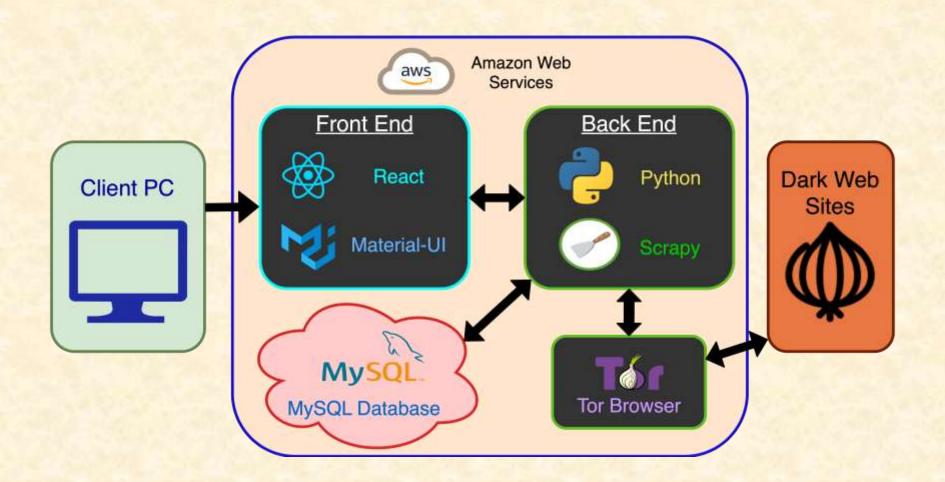


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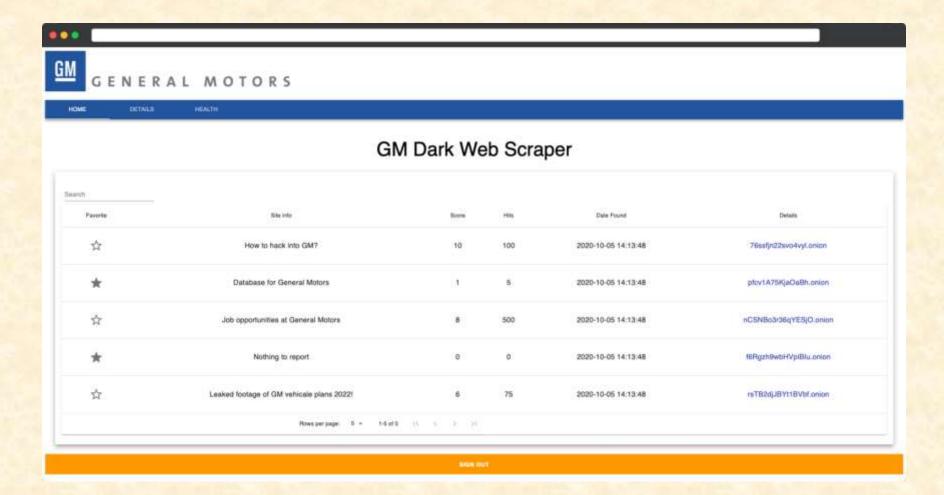
Project Overview

- The program scrapes through the dark web looking for defined key words
- If found, the program takes a screenshot and saves page contents
- The contents run through our scoring system to check for severity of information
- This info is pushed to the database, where can be viewed and edited in the web app

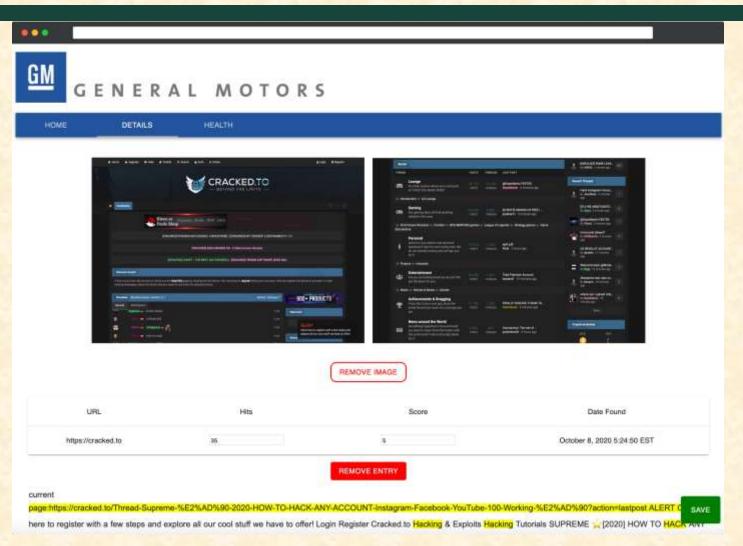
System Architecture



Main Page

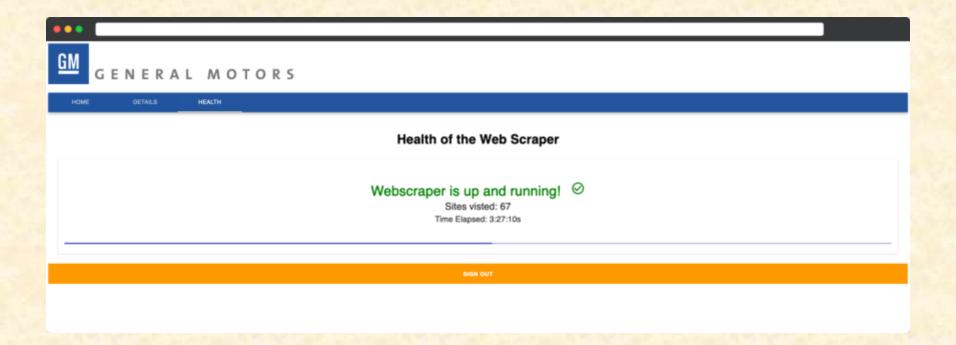


Details Page





Scraper Health



Collected Data Table

Favorite							
	Date Found	Context	Terms found	URL	Score	ID	
False	2020-10-18 13:20:05:186433	[from corporate networks that were breached an	[breached, leak, leaked]	hxt254aygrsziejn.onion/_page_id=6	3	73	0
False	2020-10-18 13:20:05:186433	[Kong and Colombo. br>MAS holding was breached	[breached, leak]	hxt254aygrsziejn.onion/_p=382	2	12	1
False	2020-10-18 13:20:05:186433	[Kong and Colombo. br>MAS holding was breached	[breached, leak]	hxt254aygrsziejn onion/_p=303	2	1	2
False	2020-10-18 13:20:05:186433	[Kong and Colombo. br>MAS holding was breached	[breached, leak]	hxt254aygrsziejn.onion/_p=205	2	45	3
False	2020-10-18 13:20:05:186433	[Part 1-2, MAS holding was breached and 300 gb	[breached, leak]	hxt254aygrsziejn.onion/_cat=9	2	4	4
False	2020-10-18 13:20:05:186433	[Part 1-2, MAS holding was breached and 300 gb	[breached, leak]	hxt254aygrsziejn.onion/_p=166	2	53	5
False	2020-10-18 13:20:05:186433	(is the seventh part of leak on COSAN filelist	[leak, leaks]	hxt254aygrsziejn.onion/_cat=7	2	109	6
False	2020-10-18 13:20:05:186433	[They allowed us to easily breach their networ	[breach, leak]	hxt254aygrsziejn.onion/_p=427	2	55	7
False	2020-10-18 13:20:05:186433	[is the third part of leak on COSAN > <a hre<="" td=""><td>[leak, leaks]</td><td>hxt254aygrsziejn.onion/_p=136</td><td>2</td><td>65</td><td>8</td>	[leak, leaks]	hxt254aygrsziejn.onion/_p=136	2	65	8
False	2020-10-18 13:20:05:186433	[>\n\n\t\n\t\t\t\div class="entry-s	[leak]	hxt254aygrsziejn.onion/_author=1	1	75	9
False	2020-10-18 13:20:05:186433	[the third part of the leak on Aliansce Sonae	[leak]	hxt254aygrsziejn.onion/_p=346	4.	70	10
False	2020-10-18 13.20.05.186433	[entry-meta>\n\t\f\t<\entry-head	[leak]	hxt254aygrsziejn.onion/_cat=26	1	69	11
False	2020-10-18 13:20:05:186433	[Part 1-2. MAS holding was breached and 300 gb	[breached]	hxt254aygrsziejn onion/_p=142	1	67	12
False	2020-10-18 13:20:05:186433	[is a teaser for the leak on Indoco Remedies L	[leak]	hxt254aygrsziejn.onion/_p=392	1	63	13
False	2020-10-18 13:20:05 186433	[leak. Second part of the leak includes compli	[leak]	hxt254aygrsziejn.onion/_p=362	1	0	14



What's left to do?

- Implement web crawling code in AWS and connect it with the S3 bucket
- Format the incoming data to be neatly displayed on main page and details page
- Display stats on health screen
- Filtering by "favorite" option on web app

Questions?

