Cybersecurity

Module 19 Challenge Submission File

Let's Go Splunking!

Make a copy of this document to work in, and then respond to each question below the prompt. Save and submit this completed file as your Challenge deliverable.

Step 1: The Need for Speed

1. Based on the report you created, what is the approximate date and time of the attack?

```
02/23/2020 2:30pm - 8:30pm
```

2. How long did it take your systems to recover?

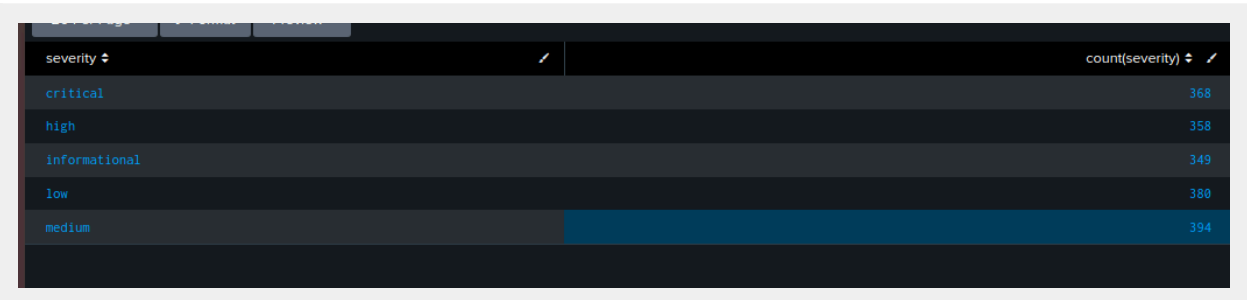
```
6 hours
```

Provide a screenshot of your report:

DOWNLOAD_MEGABITS	UPLOAD_MEGABITS	_time	ratio	IP_ADDRESS
107.91	13.51	2020-02-22 18:30:00	7.987	198.153.194.2
106.91	12.51	2020-02-22 16:30:00	8.546	198.153.194.2
105.91	11.51	2020-02-22 14:30:00	9.202	198.153.194.1
109.16	10.51	2020-02-21 23:30:00	10.39	198.153.194.1
109.91	9.51	2020-02-21 22:30:00	11.6	198.153.194.1
108.91	8.51	2020-02-21 20:30:00	12.8	198.153.194.1
107.91	7.51	2020-02-21 18:30:00	14.4	198.153.194.2
106.91	6.51	2020-02-21 16:30:00	16.4	198.153.194.2
105.91	5.51	2020-02-21 14:30:00	19.2	198.153.194.1
109.16	5.43	2020-02-20 14:21:00	20.1	198.153.194.1
123.91	8.51	2020-02-23 23:30:00	14.6	198.153.194.2
122.91	7.51	2020-02-23 23:30:00	16.4	198.153.194.1
78.34	6.51	2020-02-23 22:30:00	12.0	198.153.194.1
65.34	4.23	2020-02-23 20:30:00	15.4	198.153.194.2
17.56	3.43	2020-02-23 18:30:00	5.12	198.153.194.2
7.87	1.83	2020-02-23 14:30:00	4.30	198.153.194.1
12.76	2.19	2020-02-23 14:30:00	5.83	198.153.194.2
109.16	9.51	2020-02-22 23:30:00	11.5	198.153.194.2
109.91	8.51	2020-02-22 22:30:00	12.9	198.153.194.2
108.91	7.51	2020-02-22 20:30:00	14.5	198.153.194.2

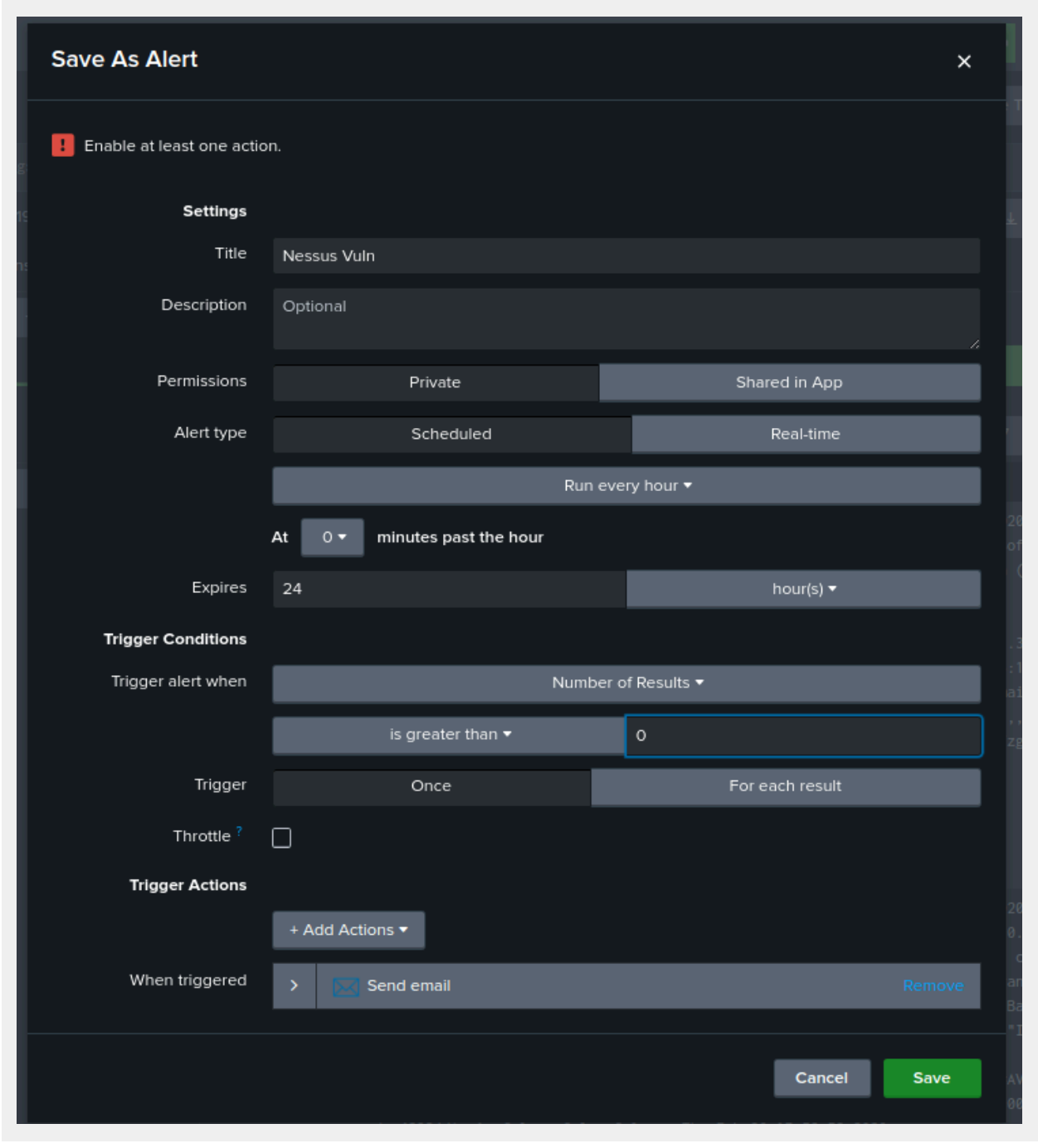
Step 2: Are We Vulnerable?

Provide a screenshot of your report:



severity	count(severity)
critical	368
high	358
informational	349
low	380
medium	394

Provide a screenshot showing that the alert has been created:



Step 3: Drawing the (Base)line

1. When did the brute force attack occur?

```
Feb 21 2020 2am
```

2. Determine a baseline of normal activity and a threshold that would alert if a brute force attack is occurring:

```
15> baseline, 23 threshold (x*2-½)
```

3. Provide a screenshot showing that the alert has been created: