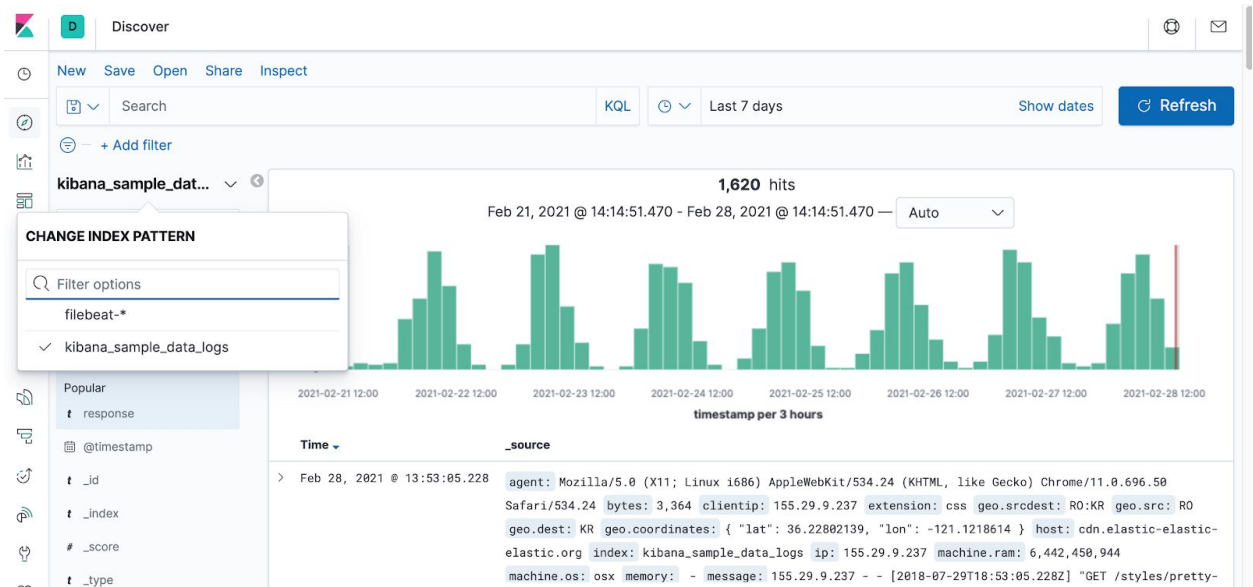


Instructions

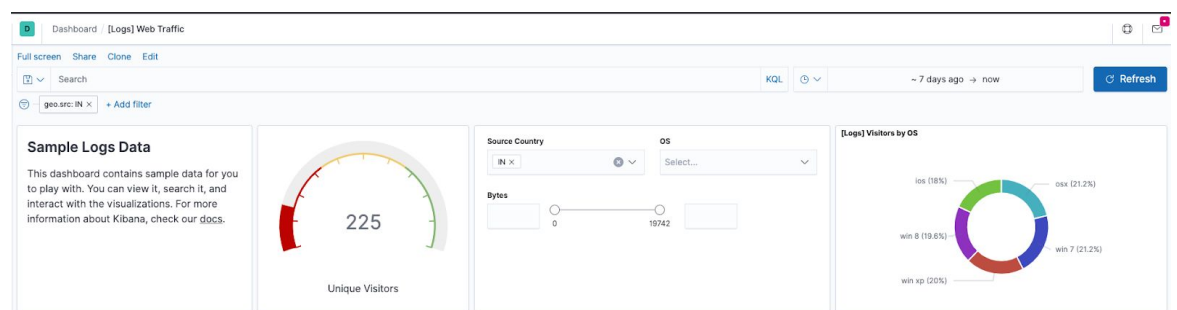
1. Add the sample web log data to Kibana.



2. Answer the following questions:

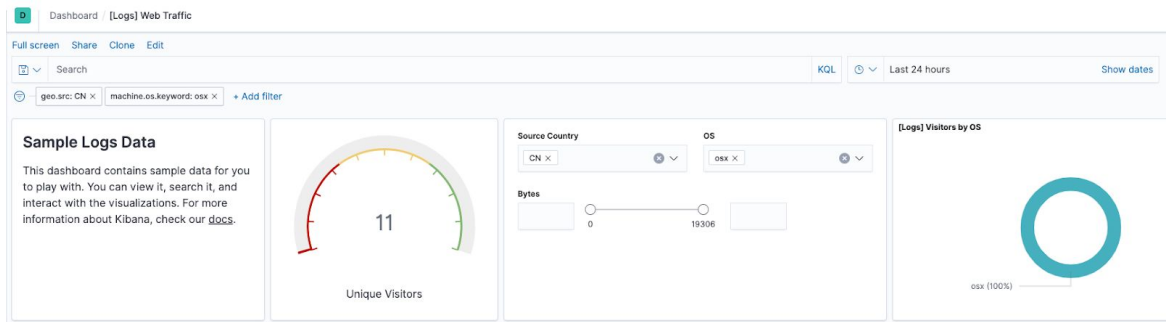
- In the last 7 days, how many unique visitors were located in India?

225 unique visitors



- In the last 24 hours, of the visitors from China, how many were using Mac OSX?

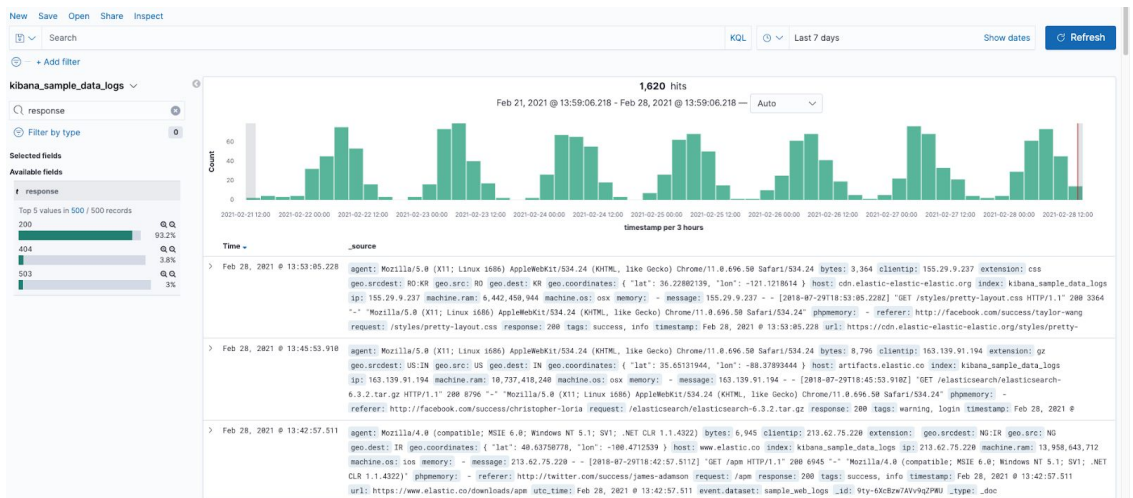
11 visitors were using Mac OSX



- In the last 2 days, what percentage of visitors received 404 errors? How about 503 errors?

Percentage of visitors who received 404 errors = 3.8%

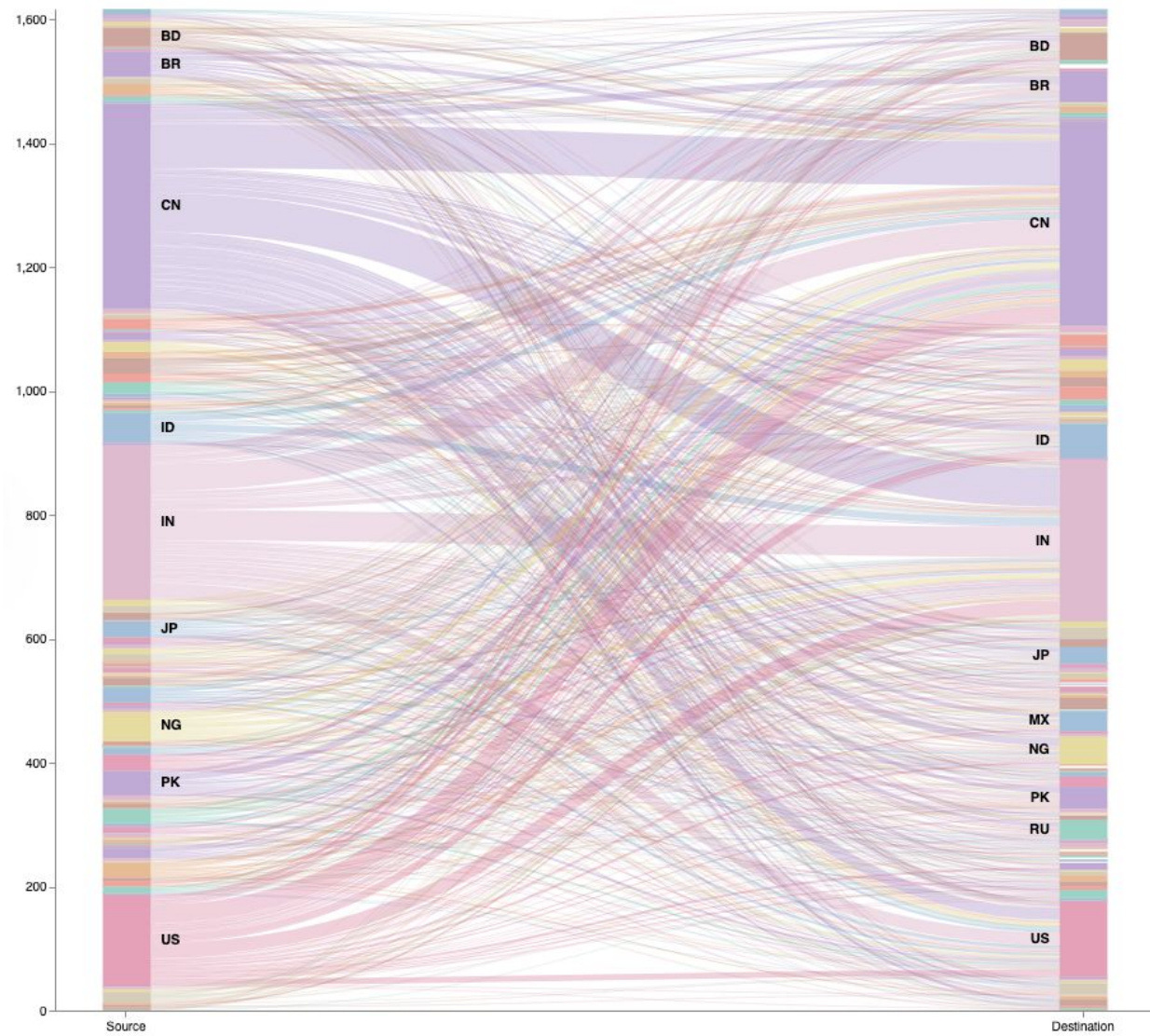
Percentage of visitors who received 503 errors = 3%



- In the last 7 days, what country produced the majority of the traffic on the website?

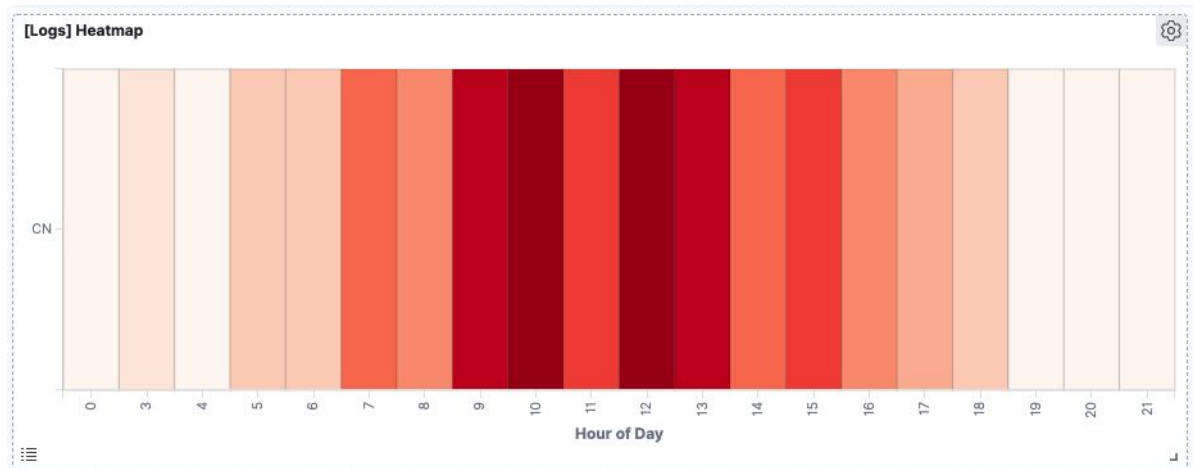
China (CN) - 20.4

[Logs] Source and Destination Sankey Chart



- Of the traffic that's coming from that country, what time of day had the highest amount of activity?

At 10 and 12 hour of the day.



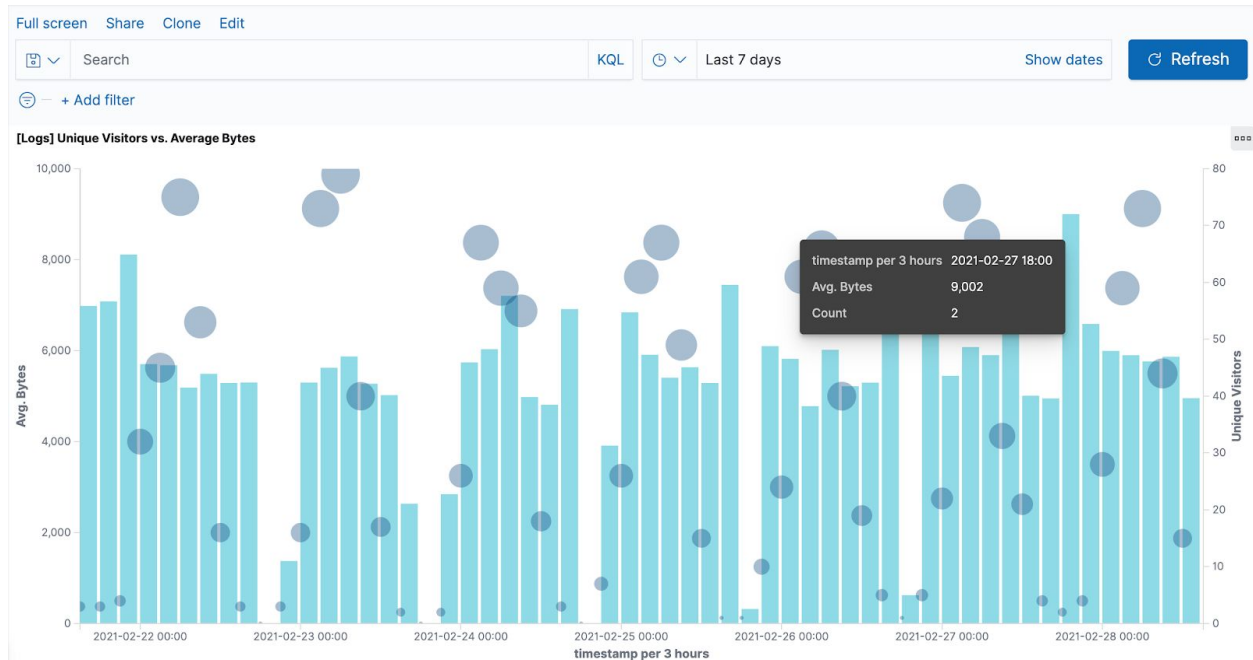
- **List all the types of downloaded files that have been identified for the last 7 days, along with a short description of each file type (use Google if you aren't sure about a particular file type).**
 - i. gz - compressed archive file with standard GNU zip (gzip) algorithm
 - ii. css - file used to format the contents of a webpage. ... CSS files can define the size, color, font, line spacing, indentation, borders, and location of HTML elements
 - iii. zip - archive file format that's used to compress one or more files together into a single location, reducing the overall size, and making it easier to transport the files
 - iv. deb - deb is the format, as well as extension of the software package format for the Linux distribution Debian and its derivatives.



3. Now that you have a feel for the data, Let's dive a bit deeper. Look at the chart that shows Unique Visitors Vs. Average Bytes.

- Locate the time frame in the last 7 days with the most amount of bytes (activity).

2021-2-27 18:00 - 9002 bytes



- In your own words, is there anything that seems potentially strange about this activity?

2 unique visitors generated 9002 bytes at 2021-2-27 18:00, which is strange looking at the overall dataset because in other instances it is taking 30 - 50 unique visitors to generate such a huge amount of bytes.

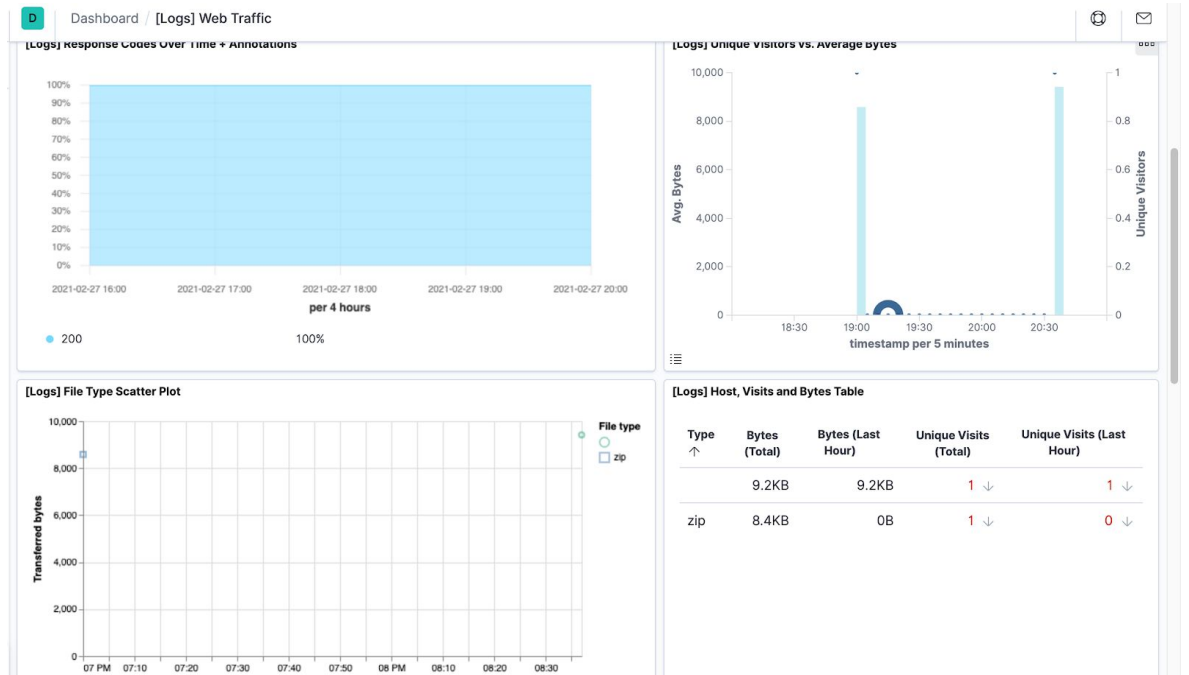
4. Filter the data by this event.

- What is the timestamp for this event?

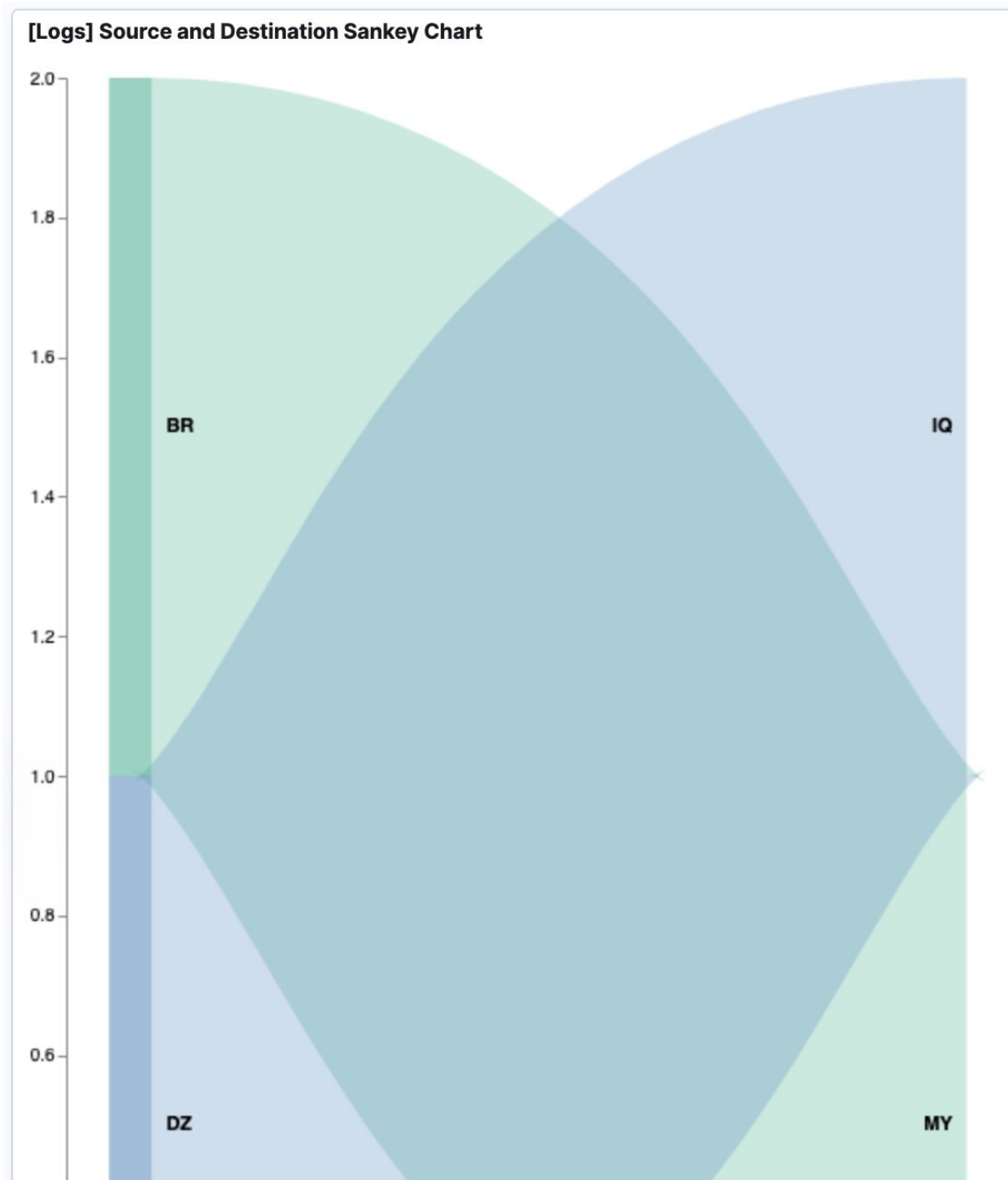
2021-2-27 19:00 - 8586 bytes

2021-2-27 20:00 - 9418 bytes

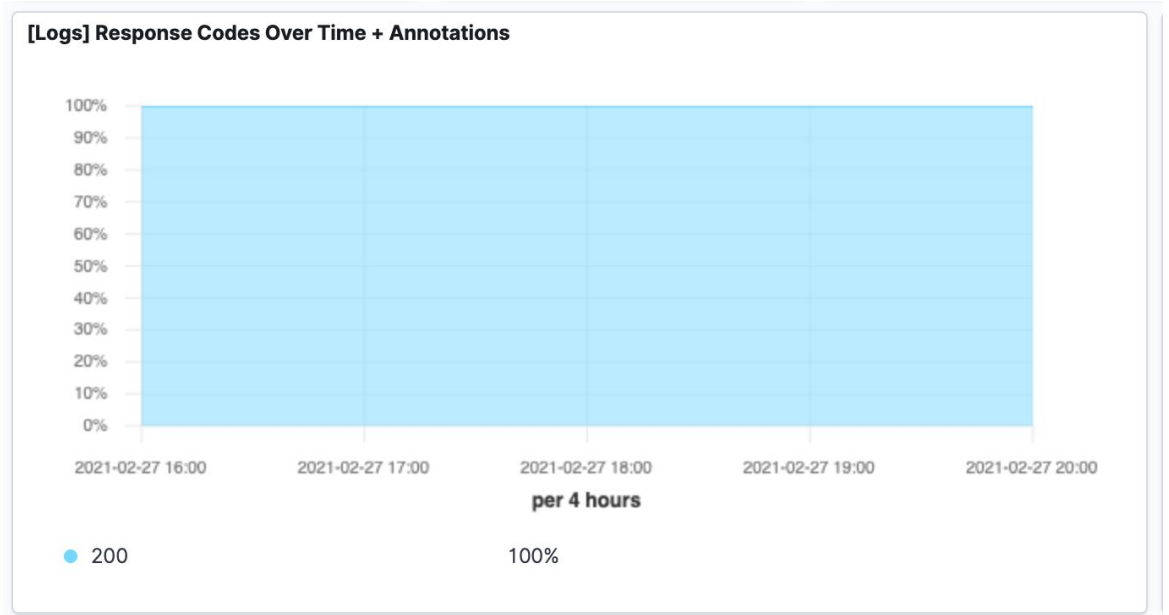
- **What kind of file was downloaded?**
zip and css file were downloaded



- **From what country did this activity originate?**
Brazil (BR) and Algeria (DZ)



- What HTTP response codes were encountered by this visitor?
200



5. Switch to the Kibana Discover page to see more details about this activity.

- **What is the source IP address of this activity?**

DZ - 19.112.90.54

BR - 17.111.163.53

- **What are the geo coordinates of this activity?**

BR - {

"lat": 42.59157139,

"lon": -114.7967178

}

DZ - {

"lat": 40.88544444,

"lon": -83.86863889

}

- **What OS was the source machine running?**

DZ - ios

BR - win 7

- **What is the full URL that was accessed?**

DZ - <https://www.elastic.co/downloads/apm>

BR -

https://artifacts.elastic.co/downloads/kibana/kibana-6.3.2-windows-x86_64.zip

- **From what website did the visitor's traffic originate?**

DZ - elastic.co

BR - artifacts.elastic.co

6. Finish your investigation with a short overview of your insights.

- **What do you think the user was doing?**

One user from DZ was accessing a [elastic.co/download/apm](https://www.elastic.co/downloads/apm) page to download an apm server. The other user from BR was trying to download kibana-6.3.2 zip file applicable to windows machine

- **Was the file they downloaded malicious? If not, what is the file used for?**

No, the file they downloaded was not malicious.

DZ - APM is an application performance monitoring system built on the Elastic Stack. It uses Elasticsearch as its data store and allows you to monitor performance of thousands of services in real time.

BR - Kibana 6.3.2 is a data visualization dashboard for Elasticsearch.

- **Is there anything that seems suspicious about this activity?**

No

- **Is any of the traffic you inspected potentially outside of compliance guidelines?**

No