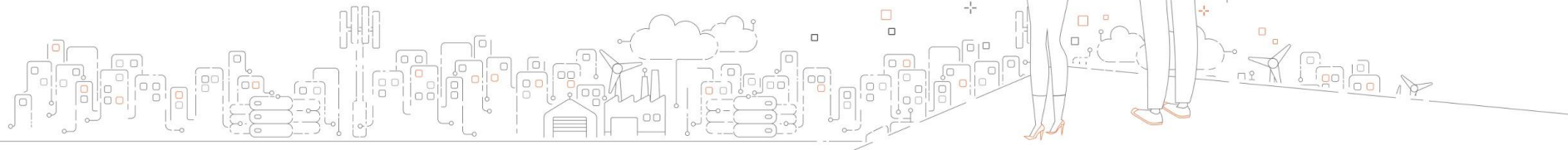# Bad Bot Analyzer (BBA)

Exemplo

Seu site está protegido contra bad bots?

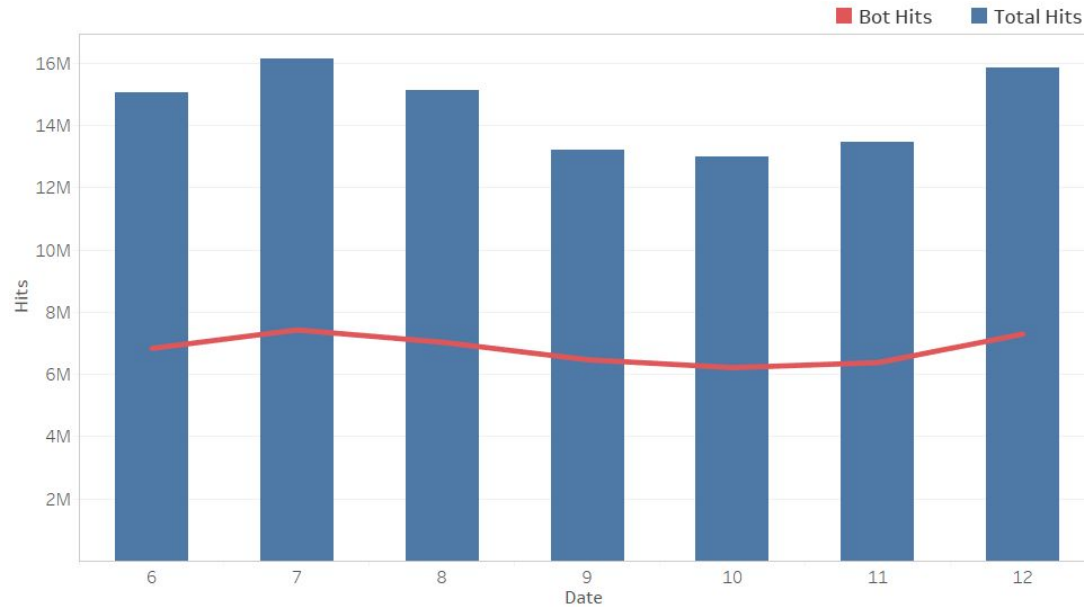Em parceria com a Radware, faremos uma análise que detecta bots que prejudicam o seu negócio.

Nas próximas páginas, você verá uma amostra da análise de bad bots que são identificados e como você receberá seu relatório, sem nenhum custo.

47 MILLION BOT HITS ON YOUR PLATFORM CONSTITUTING OVER HALF OF YOUR TRAFFIC
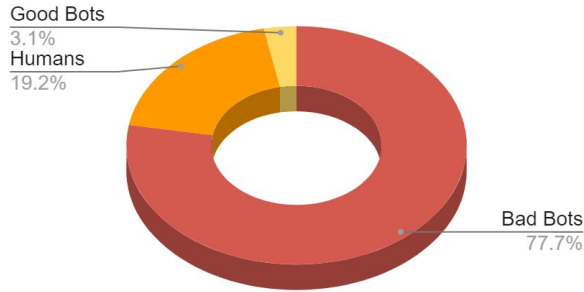
Overview of Bad Bot Attack in your platform

- Peak Activity of **7.4 Million Bot Hits** were recorded on 7th May 2020
- **Total No. of Bot Signatures: 177K**

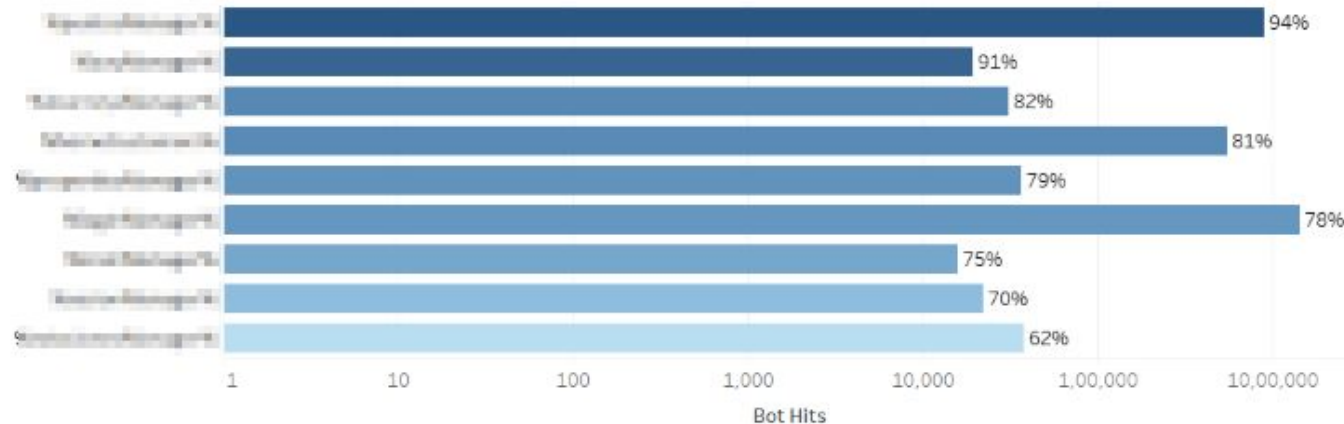*Observed between 6th May '20 to 12th May '20

OVERALL BOT STATS & CRITICAL SECTIONS ATTACKED

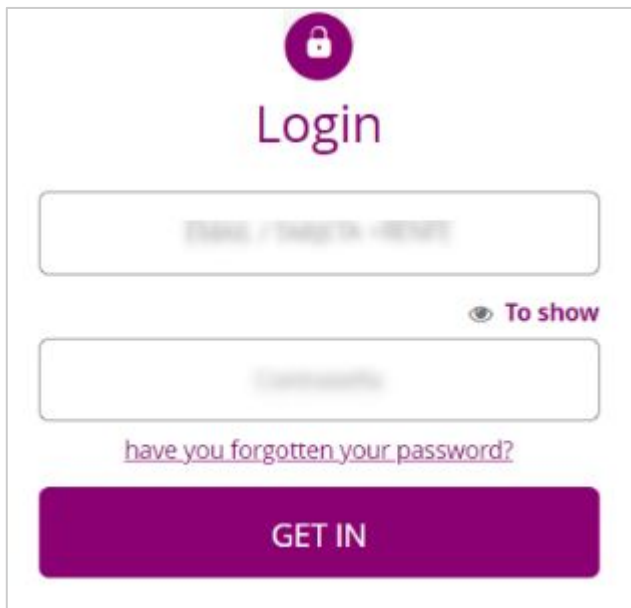
Good Bots
3.1%
Humans
19.2%

Bad Bots
77.7%

Showcasing Critical Sections impacted by Bad Bots & Stats about Bot Attack in your platform

Total Bot Signatures Identified: **336 Thousand**
Peak Time of Attack: **12 PM CET**
Primary Use Case: **Scraping / Possible Ticket Scalping**
Overall Bot Hits (Invalid) Requests: **29 Million**
Avg Bot (%): **80%**

	Bot Hits
	94%
	91%
	82%
	81%
	79%
	78%
	75%
	70%
	62%

Bot Hits

*Observed between 2nd Dec '19 to 4th Dec '19

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80% BOTS REGISTERED ON LOGIN PAGE

Login

To show

have you forgotten your password?

GET IN

Hackers use automated botnets to target User Accounts by making unauthorized transactions, transfer rewards points, test stolen credentials.
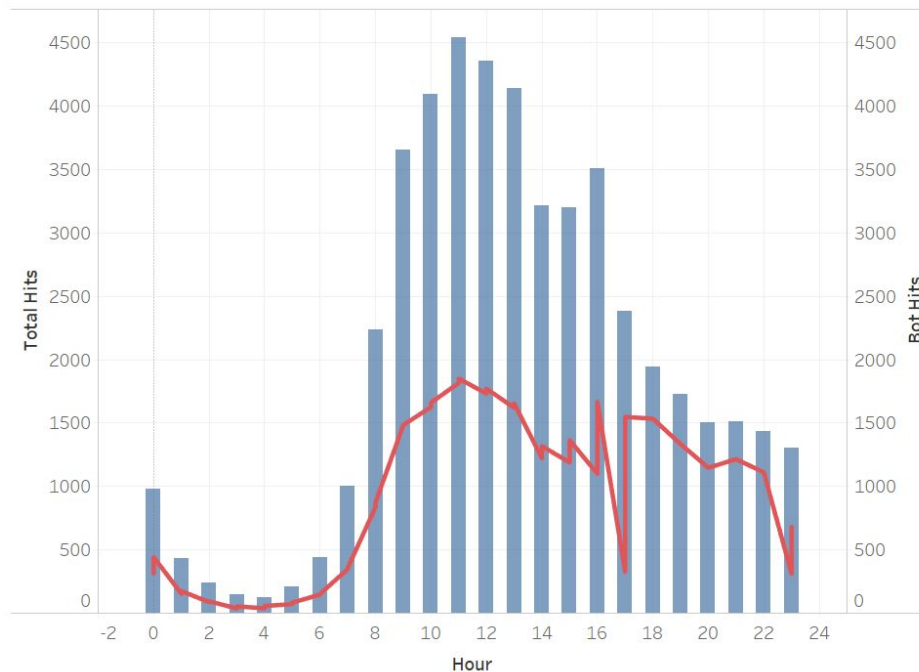
*Observed between 2nd Dec '19 to 4th Dec '19

550 THOUSAND BOT HITS ON HOME PAGE

Prices of products ,ticket price etc., could be targeted by competitors as they programmatically crawl through the websites. Also Scraping of contents and publishing in third party sites will impact your search rankings.

URL Schema: [redacted]

Top IP Series: [redacted]
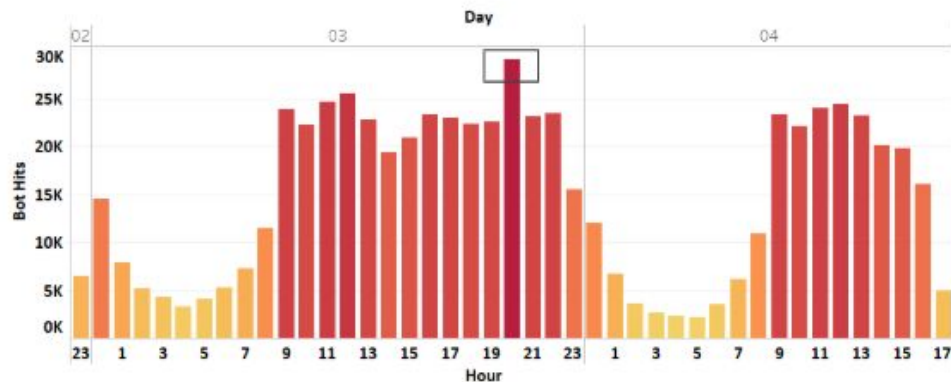
Typical Bot Behaviour: Tampered Referrer URL

Critical No of Bots Noticed on the 20th hour of 3rd of Dec

*Observed between 2nd Dec '19 to 4th Dec '19

API CALL: [redacted]

91% OF THE TICKET PRICES ARE SCRAPED

Unwanted GDS Queries, Scraping of Tickets, Skewed Analytics are issues faced in Travel sites. Spike in Bot Traffic could also impact the overall performance of the website.

- Over **20 Thousand Bot Hits** Detected
- Total No of Signatures: **11 Thousand**
- Total No of User Agents: **~1 Thousand**

Your Inventory can be blocked distorting the overall User Experience.

118 THOUSAND BOT HITS IN PAYMENT SECTION

Accepting stolen-credit-cards on payment page leads to chargebacks and penalties. Excessive chargebacks result in termination of merchant's account

Headers	Preview	Response	Cookies	Timing

```
1  throw 'allowScriptTagRemoting is false.';
2  (function(){
3  var r=window.dwr._[0];
4  //#DWR-INSERT
5  //#DWR-REPLY
6  r.handleCallback("8","0",{precioIda:0,moneda:"EUR",precioVuelta:0,precioTotal:1760});
7  })();
8
```

API Call - %BuyManager%: Critical Pricing Information Exposed

URL Targeted:

API's Triggered:

Top IP Series:
Bot Primarily Originating from:
Critical No of Bots witnessed on the **12th Hour of 3rd December**

TU COMPRA

PRECIO TOTAL:

17,60 €

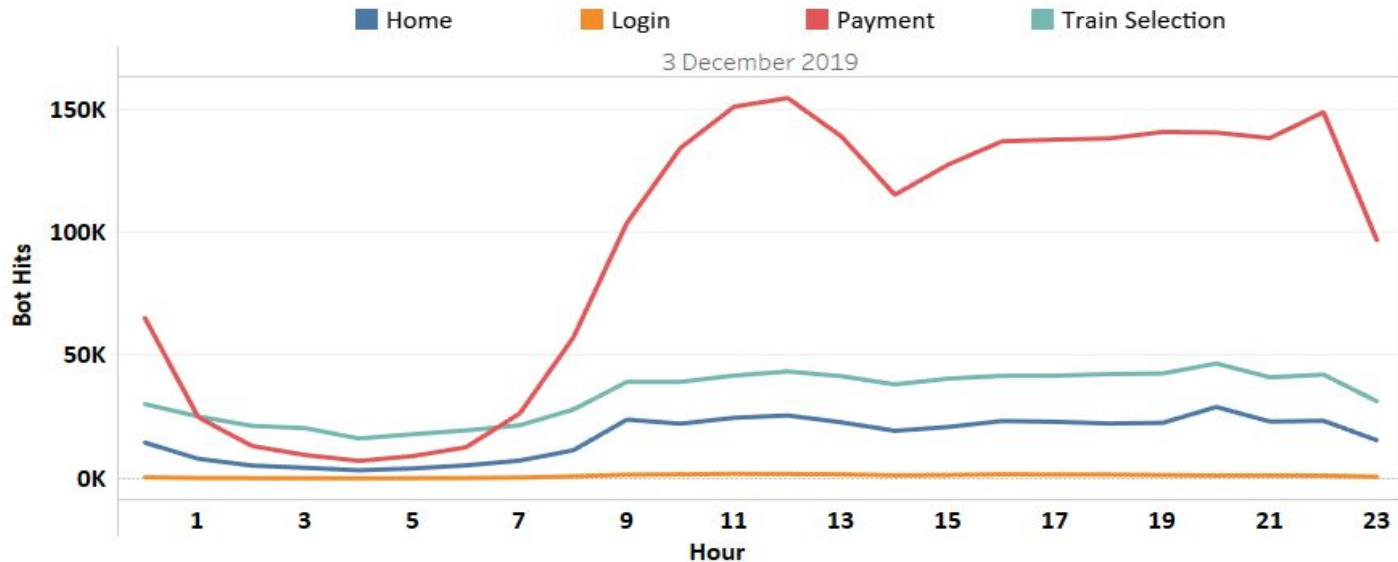Ver detalles ▲

IDA: -Adulto IDA- 17,60 €

COMPRAR

*Observed between 2nd Dec '19 to 4th Dec '19

CRITICAL: LOOK TO BOOK RATIO ANALYSED

Web crawlers, aggregators, and malicious bots cause noisy data. Non-human visitors impact conversion rates and other revenue metrics such as look-to-book ratio

The **Ratio between the Hits** across the **Homepage - Login - Selection - Payments** typically dictates the flow of Traffic. Flunctionas around the trend typically showcases a measure of Bots at a specific point in Time.

PATTERNS OF BOT ATTACKS

Bot Hit: 1
IP Count: 6,521

Bot Hit: 71,666
IP Count: 1
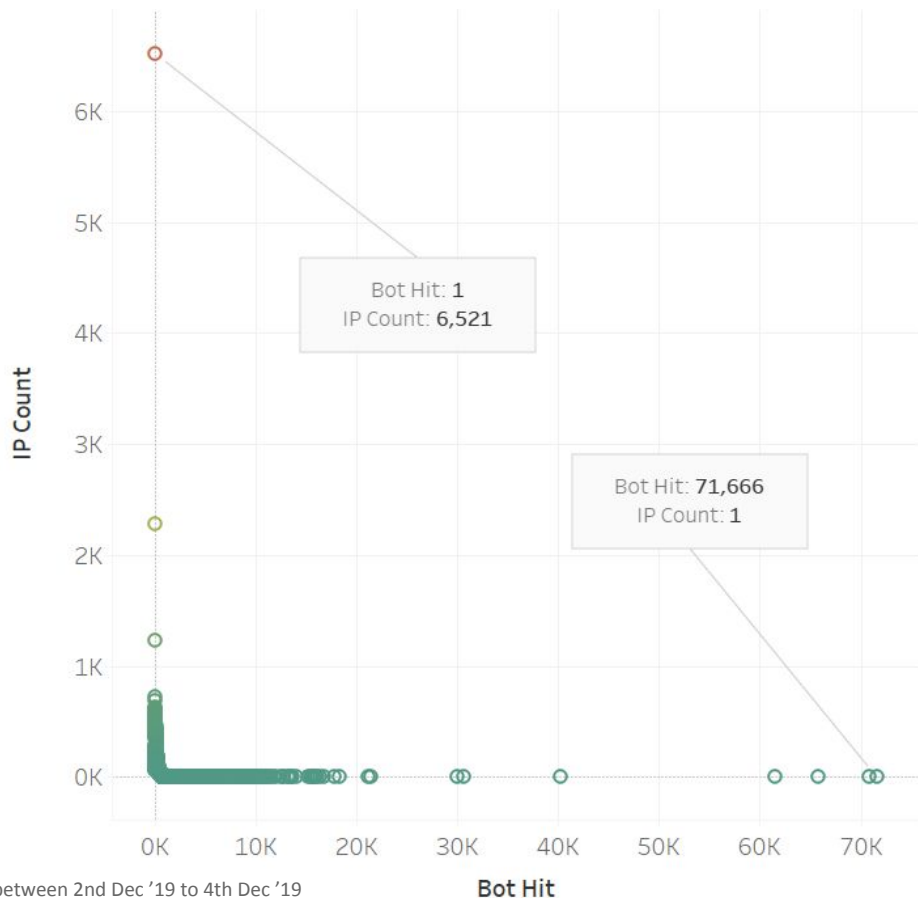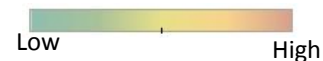
*Observed between 2nd Dec '19 to 4th Dec '19

Showcasing the Sophistication of the Bot Engine, even the smallest attack by bots are identified and blocked.

These Bots typically use multiple IPs - rotating IPs (Marked in Red). Color Point denotes the IP Count.

Low   High

- Showcases the pattern of attacks based on the no of distinct IPs used to attack.

- Typically these are rotating IPs hitting your site at a high frequency.

- Marked is Bot Pattern with **6,521** Distinct IP's making just 1 request . Such attacks are typically difficult to block with a traditional mitigation solution.

INSIGHT INTO DISTRIBUTED ATTACKS

Subnet Series	Isp	Country	Bot Hits	Unique IPs
			632,142	203
			36,789	159
			32,246	147
			38,882	146
			29,692	142
			32,130	140
			35,182	139
			25,375	121
			26,313	117
			12,492	115
			22,621	110
			24,251	110
			20,847	109
			23,098	106
			20,772	104
			21,448	102
			23,786	102
			19,517	100
			18,160	98
			17,299	97
			15,631	97
			16,251	97
			16,437	96
			18,218	96
			20,584	96
			101,039	95

Showcasing the Distributed attacks by botnet. Usually these type of attacks are performed by rotating the IP or changing the User Agents
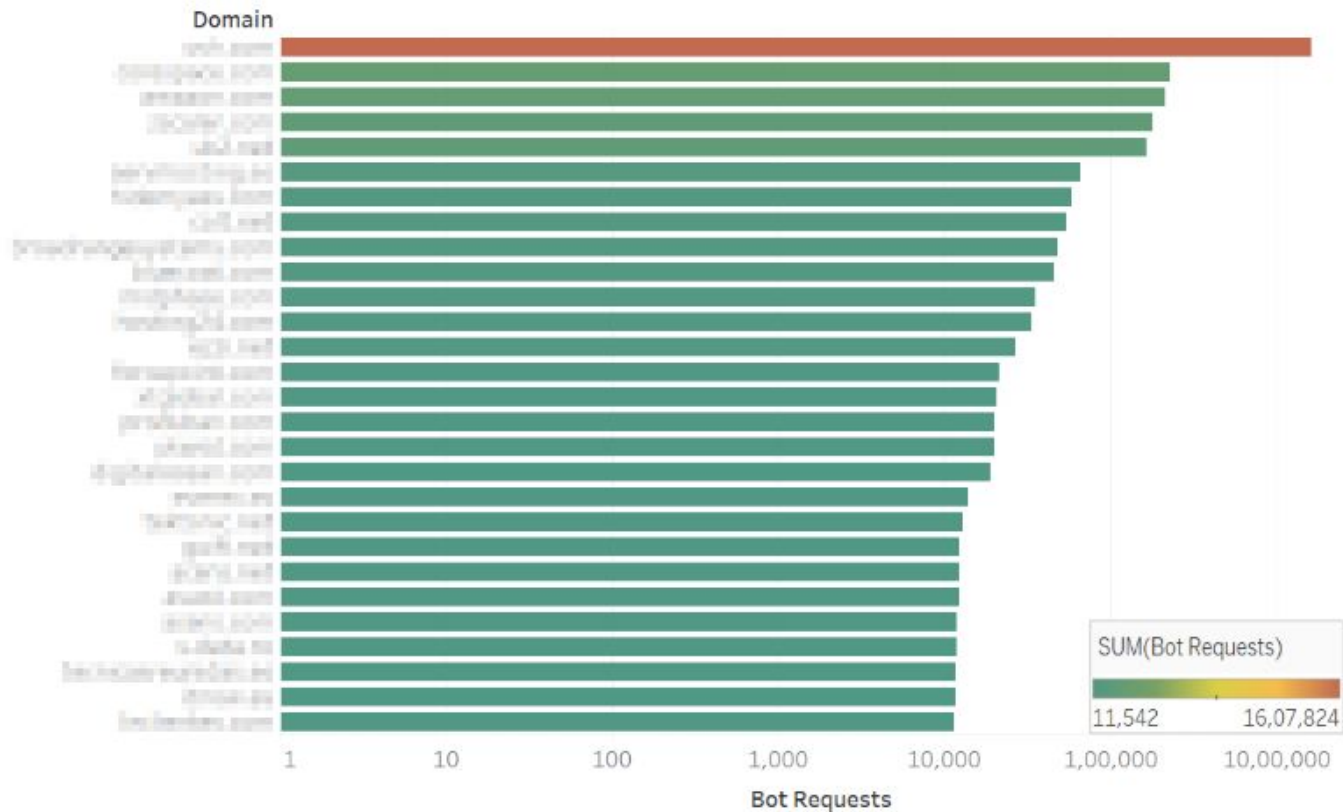
Attack Vectors:

- Attack targeted from Multiple rotating IP's
- Multiple User Agents deployed which typically is difficult to identify using generic solutions
- More of Distributed Attacks from Spain.

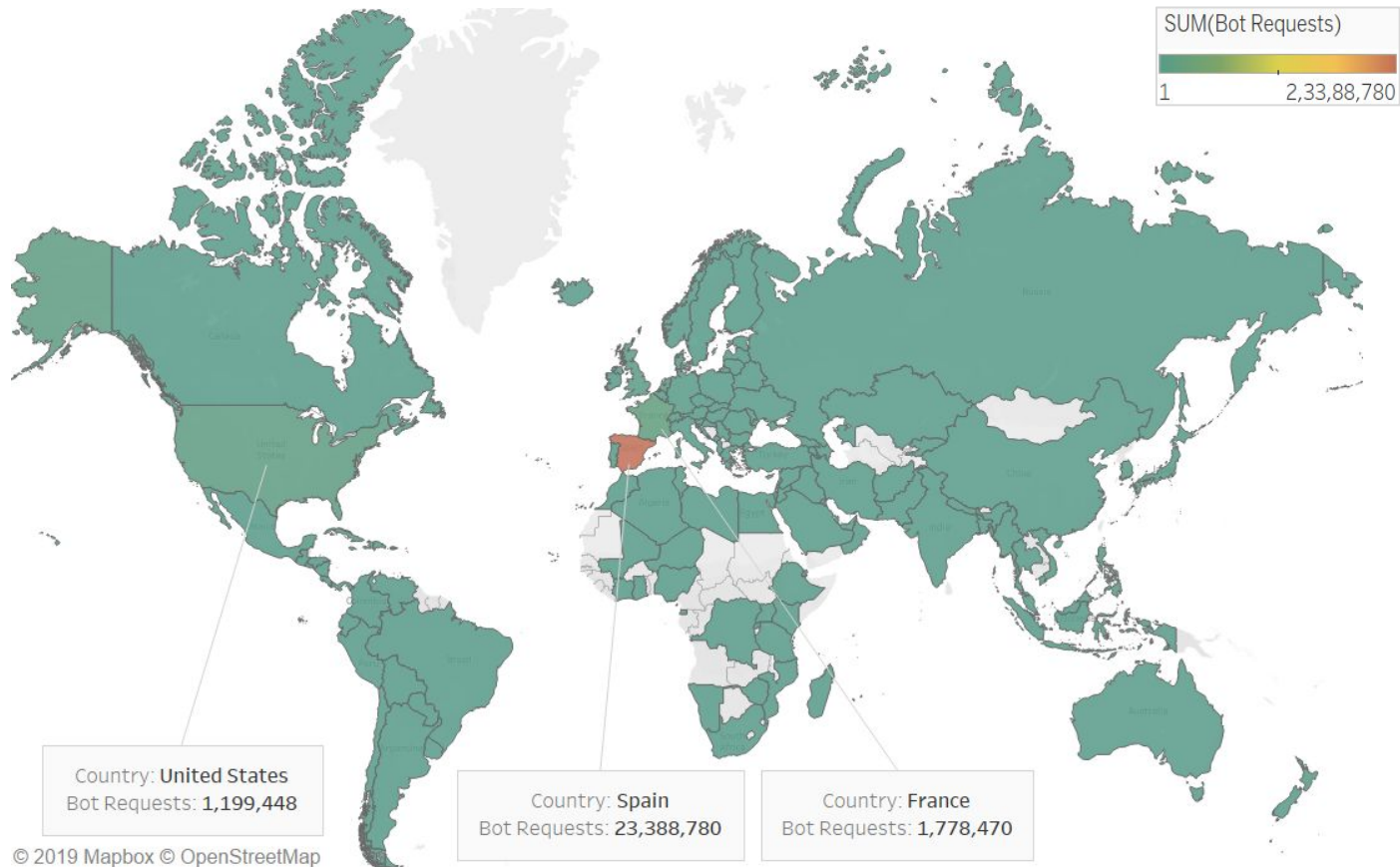*Observed between 2nd Dec '19 to 4th Dec '19

TOP DATA CENTERS - BOT ATTACK ORIGINS

Overview of Bad Bots Attacking from Data Centers

GEO BASED STATS - BOT ORIGINS

SUM(Bot Requests)

1   2,33,88,780

Country: **United States**
Bot Requests: **1,199,448**

Country: **Spain**
Bot Requests: **23,388,780**

Country: **France**
Bot Requests: **1,778,470**

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*Observed between 2nd Dec '19 to 4th Dec '19

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contato@azion.com