





DTC Security
Advanced Signal Sciences Investigation/Blocking

01 December 2021



## Agenda

#### Not-so-clean blocks

Last time we just looked at "happy path"

## "The QA environment is broken!"

Or, how to tell if \*we're\* blocking something

#### "What are all these 403s"

When your starting point is just request count of certain statuses...

## Q&A

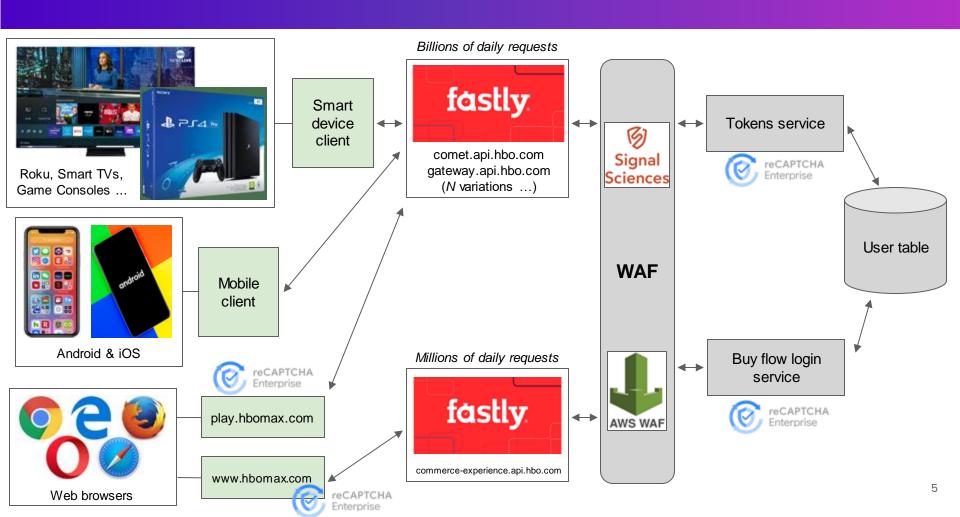
#### Not-so-clean blocks

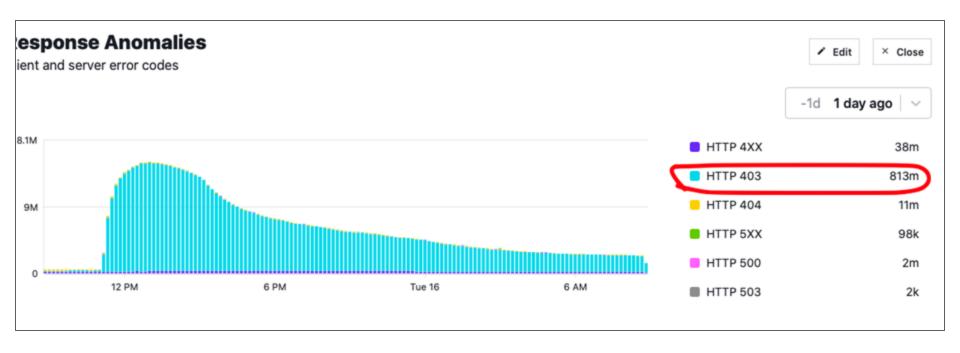
## • Success rate is suspiciously high for a given header order

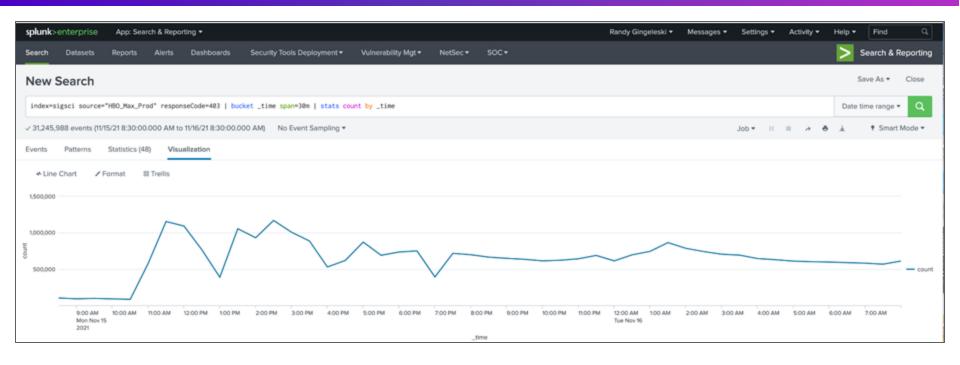
- Subjective but let's say north of 5%
  - What paths are they hitting?
  - What do User-Agents look like?
    - Do not make decisions off UA alone though
  - LOGINATTEMPT-tagged traffic versus not
  - Are compromised usernames being hit an outsized number of times to obfuscate "true" success rate?
  - Follow traffic all the way to other supporting logs
    - Such as reCAPTCHA or tokens

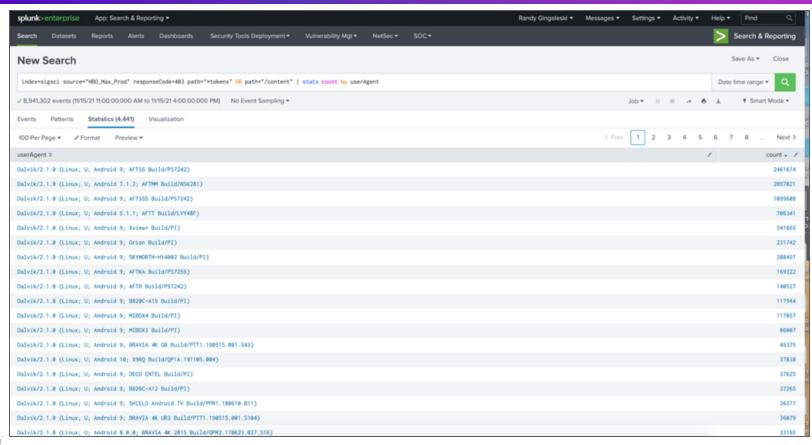
## "The QA environment is broken!"

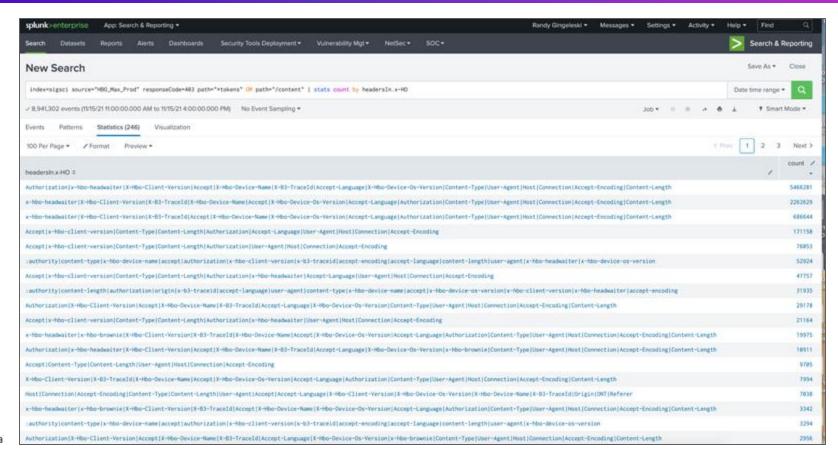
- Need (IP address OR username) and approx. timestamp at a minimum
- Is traffic showing up in Signal Sciences?
  - Not blocked by Fastly then
    - Decreasingly relevant but still
  - Response code 403 typically suggests Magellan denial
    - MaxMind geo, MaxMind VPN, or ASN block that differed from Fastly edge
- index=\*prod\* <IP\_ADDRESS\_OR\_OTHER\_IDENTIFIER\_HERE> for HBO Splunk
  - Example Splunk via Slack thread
  - Some <u>Kibana starters</u> too
  - Just throw the unique string on the end in both cases, basically











# **Questions?**





