Honeypot Data

Process calls from Ubuntu and Hackers alike...

What is a Honeypot?

A pleasant looking trap for unpleasant people

- Vulnerable system/infrastructure open to exploitation to expose/observe hackers/scripts/malware in the wild
- Virtual or real
- Entire system or network structure

Honeypots









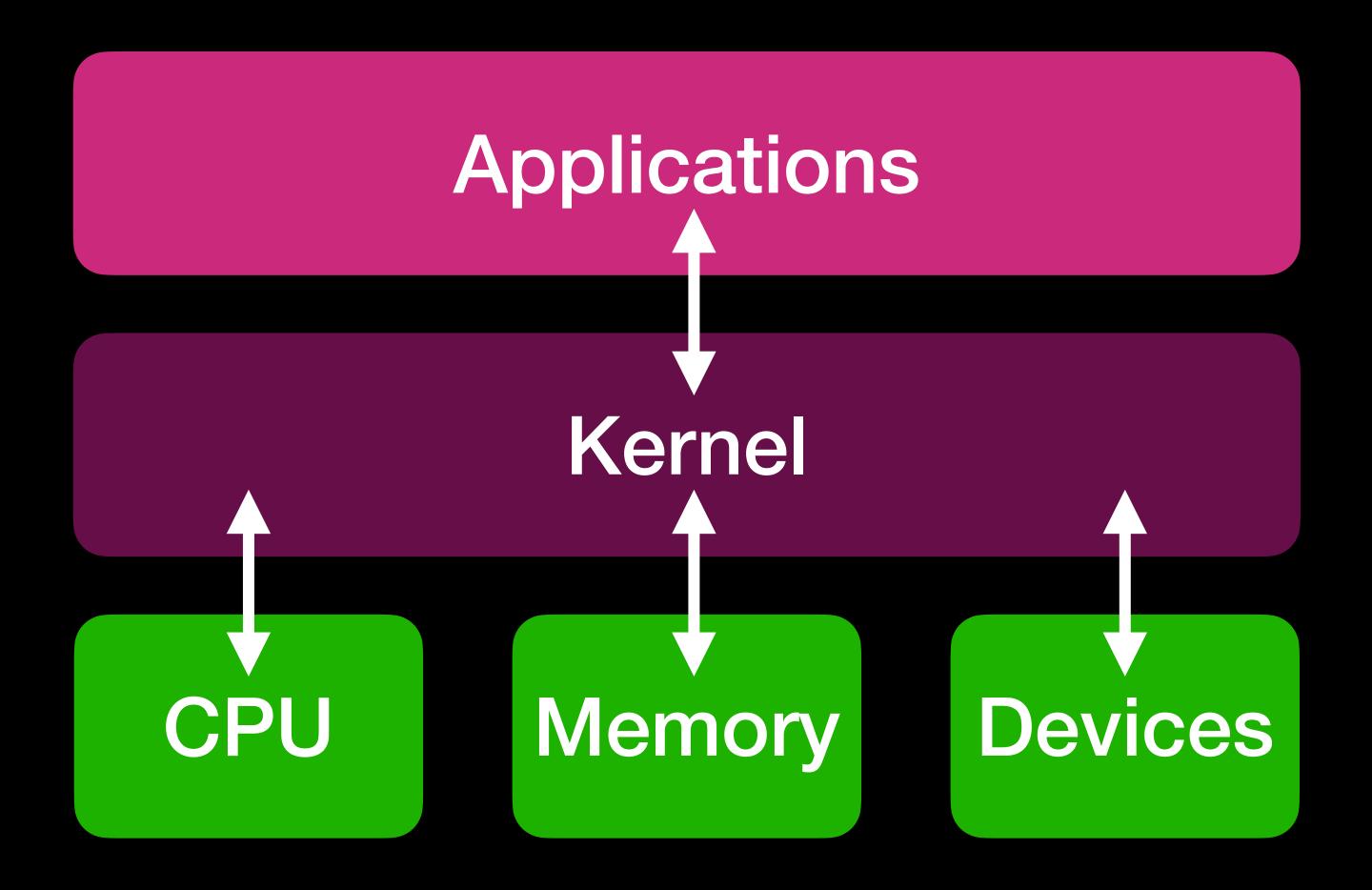






What is a kernel-level call?



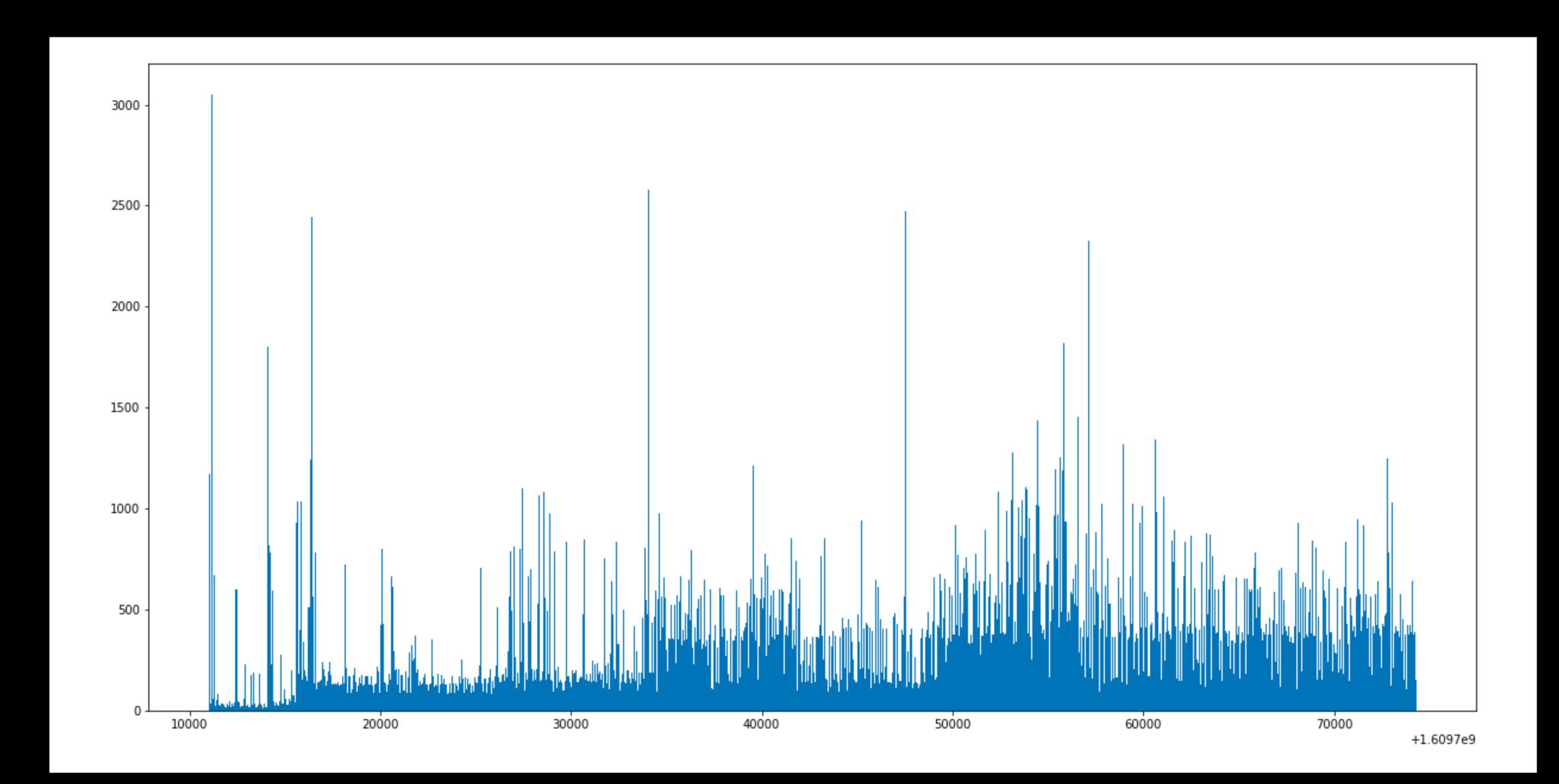


Dataset

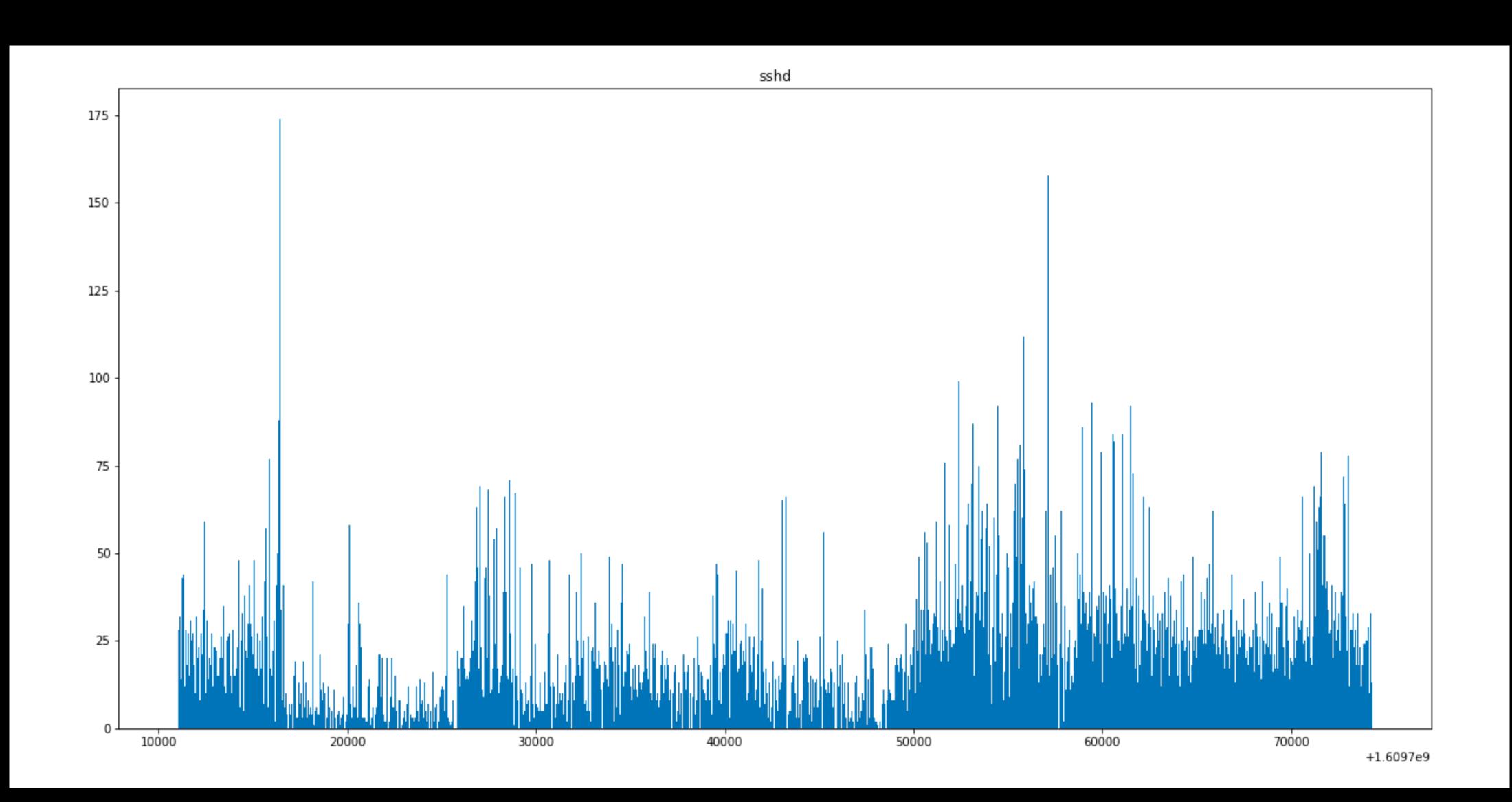
Process level calls within an Ubuntu 18.04 environment with Systems DNS turned off...

```
on_message_userdata, b'{"event_type": 0,
"start_time": 1631926664960114,
"event_time": 1631926665301538,
"pid": 7419,
"tid": 7429,
"ppid": 3161,
"exit_code": 0,
"sig info": 0,
"loginuid": 4294967295, // not necessarily unique to each user, but there are multiple
"fileumask": "0022", // file permissions used
"task": "curl", // string name of process task
"age": 0.000341424 // how long it took to complete
```

Timeline



Timeline



Concept Drift

When the underlying data-generating distribution changes

 $\exists t : P_t \neq P_{t+1}$

