ROOKOUT

Of high Stakes and Stacks

An Observability war story

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What hangs in the balance

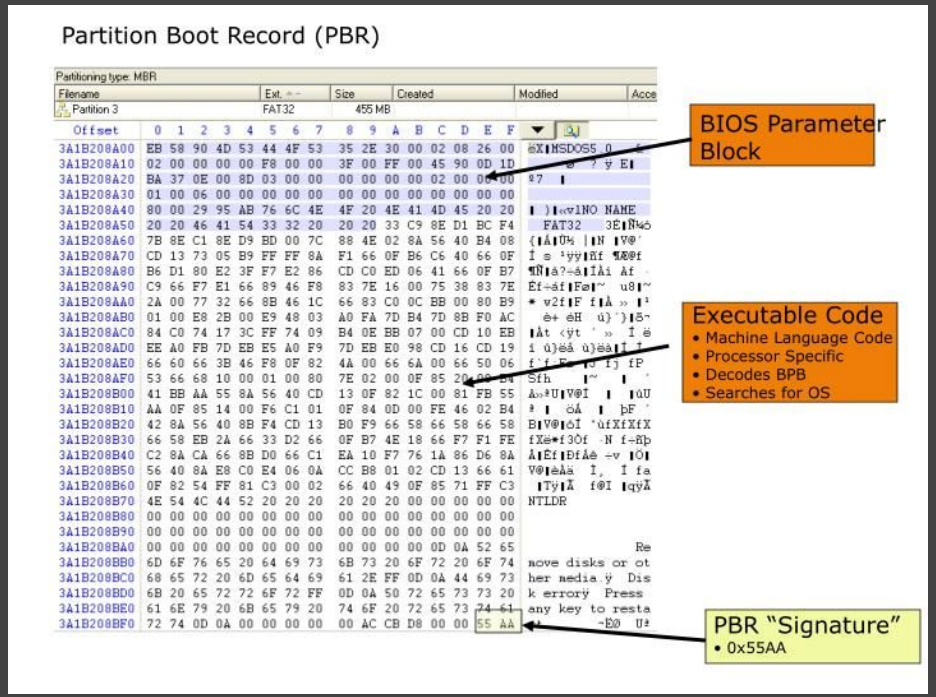
- Young (20 y.o.) intelligence officer
- No concrete information on how production will look like
- Only 5 chances to successfully deploy to production
- **Failure means people will die !**

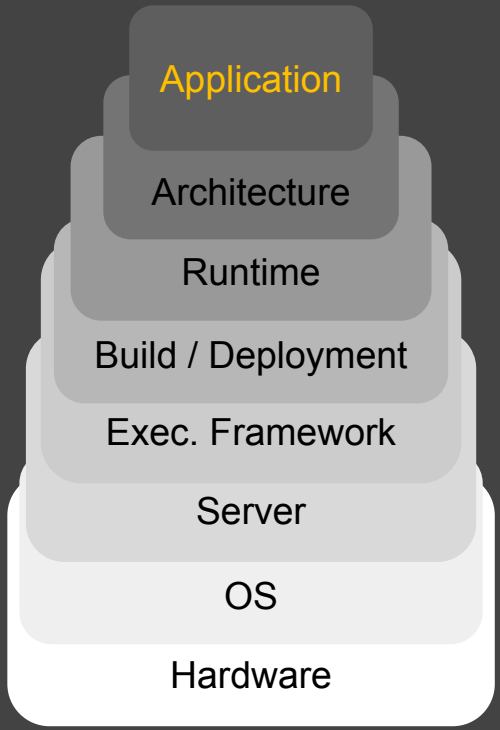
- First attempt fails
  - Logs provide zero information (through comprehensive)
  - Problem seems to be external to our code
  - The difference between planning and reality

ROOKOUT

Diving into the deeps

- Problem space: Gigabytes of remote Haystacks ...

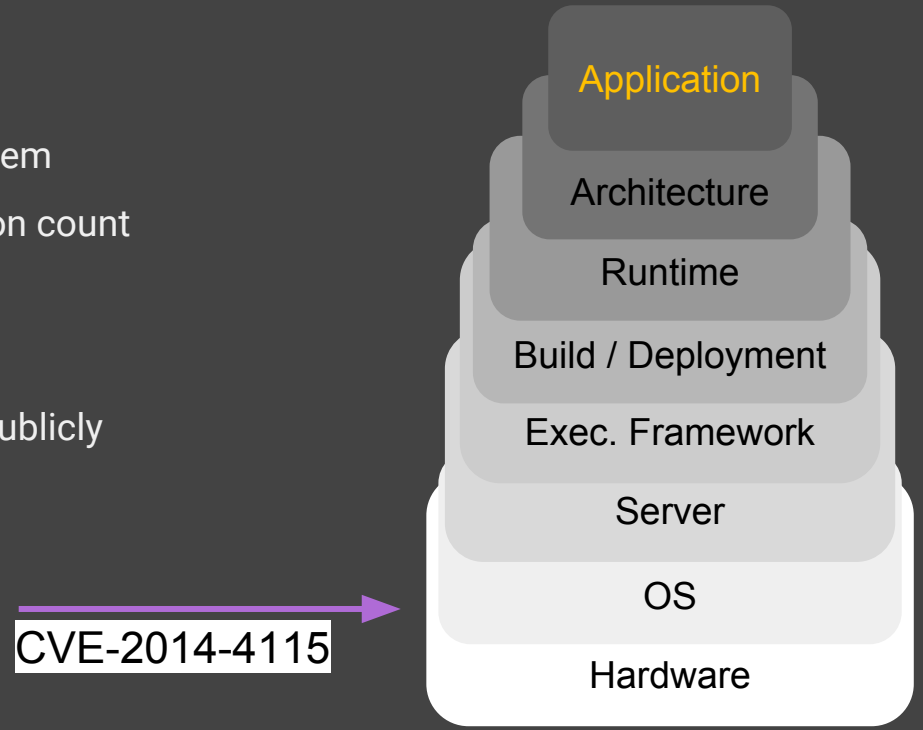




Diving into the deeps

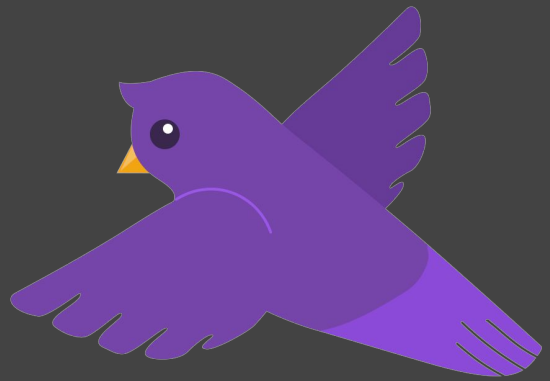
- Reality doesn't care about our expectations
  - The challenge of the developer mindset
- Need to get creative in how we observe the problem
- Need to be able to iterate, and make each iteration count

- The bug: A Windows vulnerability, that become publicly known **only 5 years later**



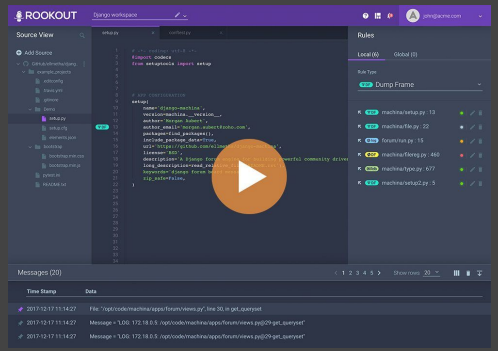
Production Observability and Debugging

- You can’t always simulate or replicate
  - Real data is needed to understand reality
    - Consider: scale, workloads, usage patterns, race conditions, …
    - Modern technologies just make the problem worse
- Iteration is a must to hone-in on understanding
- Agility
  - Reduce risk
  - Reduce friction
  - Reduce dependency
  - Find the right data balance



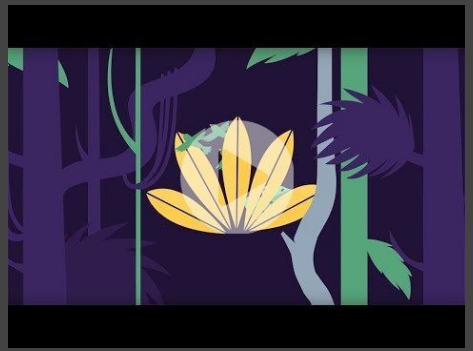
Videos and links

Basic demo



AWS Lambda Demo

“Your live code is a jungle” video



Select press coverage:

- TechCrunch - Rookout fundraising
- TechCrunch - Rookout AWS Lambda Debugging
- ComputerWeekly - Production Debugging
- ComputerWeekly - Application Debugging (ElectronJS)
- Rookout CEO interview Sentry.io blog

Links:

- Rookout site
- Rookout Docs
- Brochure

Serverless.com survey: Debugging is the biggest challenge