

Getting Security Right the First Time

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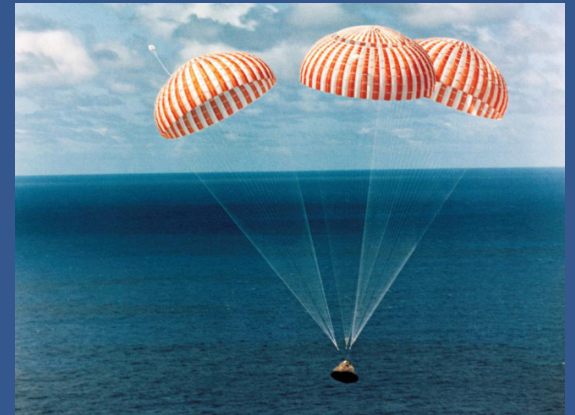


Who cares?



How did we get here?

Engineering



Business



Security



One of these things is not like the others...



Let's make an impregnable
interplanetary conquest
machine

But first...



Why do attackers have such an advantage?



How to be at every bank all the time

1. Security is an engineering problem
2. Misuse cases
3. Plan ahead, plan for failure

Building for Security

- What is at risk?
 - CIA
 - Reputation
- Cultivate security mindset
- Define problems narrowly
- “Why would anyone ever do that?”
 - Hackers
 - Grievers
- Training

Testing for Security

- Early and often
- SA with your QA
- Defect tracking and assignment

Hypothetical Example



Planning to Fail

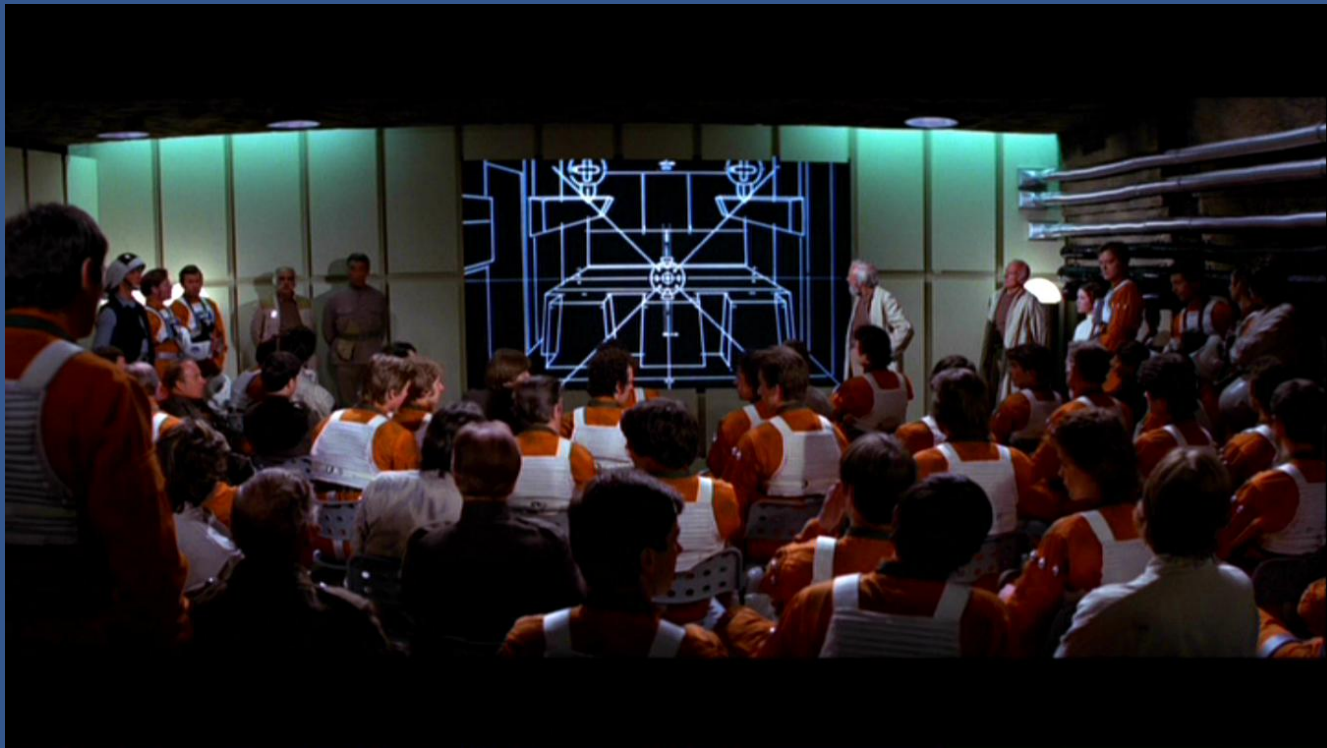
- Least privilege
- Decoupled functionality
- Encryption
- Tokenization
- Logging

Interstellar Vault Empires

- Tradeoffs
- Integrate processes, increase productivity
- Design it in
- Find, triage, fix, report
- Market your security



Questions?



Thank you

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