Security & Cloud Foundry

justin smith, Pivotal
Some of the newer stuff

- Route services
- BOSH add-ons
- Diego!
- Logging improvements
- Vulnerability scans
- Stem cell hardening
- Ops federated Id
- runC
- CA cert propagation
- HSM integration
- SCS & OAuth2
- UAA OpenID Connect
secure cloud runtime
Is there a magic feature matrix?
Security in the datacenter.
What is it you want to do?
2007 → 2015

Statement for the Record

Worldwide Threat Assessment of the
US Intelligence Community

Senate Armed Services Committee

James R. Clapper
Director of National Intelligence

February 26, 2015
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4 companies in the entire report. 2 of them use Cloud Foundry post-breach.
What’s the shape of a threat?
Look at the breach reports.
Vulnerable Software
Time
Leaked Credentials
We created the problem.
Repair - patch the whole stack
Vulnerable software.
Pivotal & the fast patch.
Repave - destroy & rebuild often.

Time
bosh recreate
Rotate - change credential values.
leaked credentials.
Repair, Repave, Rotate
Go faster, be safer
No quarter for malware in the datacenter.

Repair, Repave, Rotate.