Running CF in Production

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Quick Stats

6 | 900 | 2100
Critical Apps | Active Apps | Instances

~1500 Requests per Second

150 Orgs

CF x 6
BOSH
Backups
Buildpacks
Metrics
Load Balancing
Services
Ops Mgr
Infrastructure
© https://www.flickr.com/photos/jurvetson/6912974136
Tools + Automation
Monitoring

PCF Ops Metrics -> JMX -> Nagios

Nagios -> Metrics -> InfluxDB

Nagios -> Alerts -> Operations

InfluxDB -> Grafana
Monitoring
Backups

Backups

Hours later ....

http://www.cfops.io/
> cfops backup ...

> #channel notifications
> metrics collection
Proving Platform Resiliency

• Validate HA and resiliency of Cloud Foundry components
  https://github.com/strepsirrhini-army/chaos-lemur
• Enforce Cloud Ready Architectures
• Regular VM “Cleansing”
Custom Tools

Connectivity Testing (TCP, ICMP Traceroute)
Custom Tools

App Metrics dashboards
Custom Tools

Custom Service Brokers

- **IDEA Logger**
  - Provides centralized logging.

- **IDEA Proxy**
  - Provides outgoing proxy.
Custom Tools

User Intake and Org Cloning
Transparency

- Expose infrastructure metrics for consumption
- Address issues openly
- Close contact with user base
- Status Pages
  
  https://github.com/ArthurHlt/Cachet-cf
ÉCLAT 

noun : brilliant display or effect.

- Énergize your base
- Change the way you think
- Live It
- Automation
- Transparency

(http://jobs.comcast.com)
Questions?