

D A T  C A L

THE LAST MILE IN RELEASE AUTOMATION

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# DevOps: The Cloud Enabler



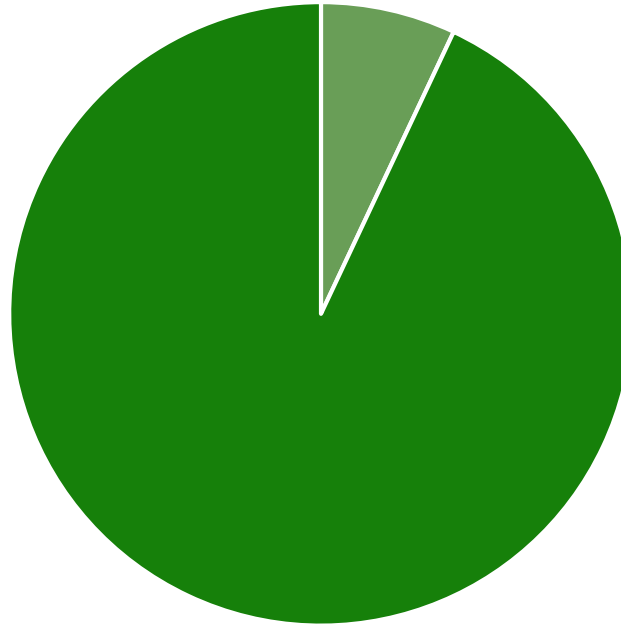
- Robert Reeves
- CTO & Co-founder, Datical
- CTO & Co-founder, Phurnace
- 20 years Release Management
- Avid mixologist
- Semi-pro BBQ'er





# Cloud is already here

## Companies using Cloud Technology



■ No ■ Yes



# Cloud is reality

- Cloud RDBMS is growing fast
  - Today, Cloud RDBMS represents a \$700M market.
  - Projected to grow to \$5.7B by 2019.
  - 50% CAGR
- The Cloud will make Database Administration more difficult
  - DBA's report they are mired in manual processes.
  - More than one-third cited this as a challenge
  - Up 162% from four years ago.

IDC Worldwide Relational Database Management Systems Forecast, 2015-2019  
IOUG (2015). "The Rapidly Accelerating Cloud-enabled Enterprise." IOUG.

## Cloud is painful

Of those that have moved production to the Cloud, 63% said the final transition required significant effort.



# How are we going to fix this?

# A Tool-Centric Philosophy That Supports a Continuous Delivery Value Chain

Gartner, <https://www.gartner.com/doc/2987231/market-trends-devops--market>

# DevOps is Benefiting High Performers

	2015	2014
Deployment Frequency	30x	30x
Deployment Lead Time	200x	200x
Mean Time to Recover	168x	48x
Change Success Rate	60x	3x

Puppet Labs, "2015 State of DevOps Report", <https://puppet.com/system/files/2016-03/2015-state-of-devops-report.pdf>

# DevOps is a Competitive Advantage

- 50% Higher Market Capitalization over 3 years
- High performers were 1.5 times more likely than their peers to exceed their organization's' profitability, market share and productivity goals.

Puppet Labs, "2014 State of DevOps Report", <https://puppet.com/system/files/2016-03/2014-state-of-devops-report.pdf>  
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# Separate the What from the Where



- Treat your On-Prem as if they are ephemeral
- Deployment mechanisms should be consistent in all environments
- Environmental specific configurations need to be teased out

# Prioritize Self-Service

- At some point, all change will need to be self-service
- During change, consider what information the Administrator is providing and eliminate it
- Be your own guinea pig



## Fail Better



- Embrace failure.
- Post-mortem is an opportunity to improve.
- Take a “Never Again” approach with flexibility.

# What does South Africa know about DevOps and the Cloud that you don't?





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