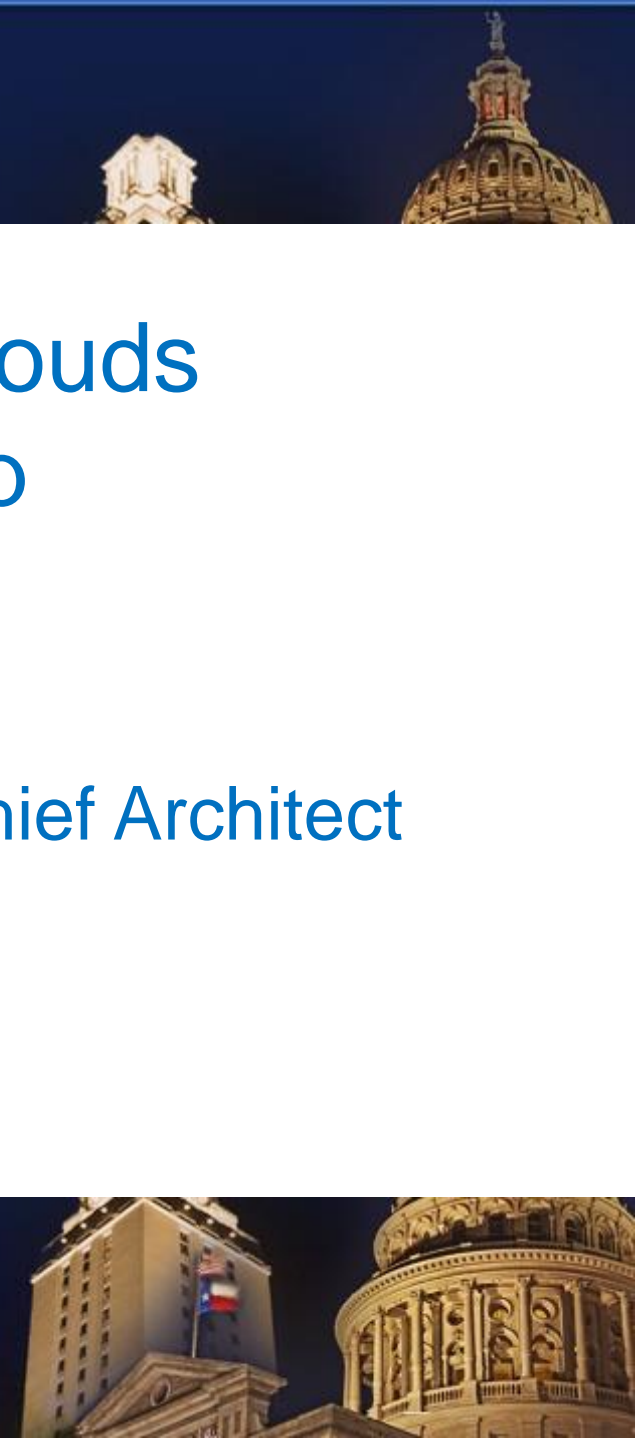# Managing Hybrid Clouds
A Dell Workshop

- Campbell McNeill
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    - Dell Cloud Marketplace
  - 10.45 AM September 1st

Introduction

- Chief Architect of Dell Cloud Marketplace
- 7.5 Years at Dell
- 3 Years in Cloud Domain
- Programmer and nerd
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Hybrid cloud for Developers

- Using tools vs. native
- Best practices for Developers
- Best practices for Managers
- Future trends and why they are important

Tools vs. Native

- Using a cloud management tool provides an abstraction from the native cloud provider tools, and it also provides a strong control point
- By using an abstraction it is possible to avoid vendor lock-in and allow a consistent approach between both public and private clouds
- The compromise is that a level of normalization will occur which could mean that certain features of the cloud provider are not available through the management tool
- By normalizing, the customer realizes the benefit that a consistent approach will work across clouds and avoid lock in

Best practices for Developers

- Use Configuration management
- Chef Solo + Vagrant allows the same configuration on local development environment as production
- DevOps Model means tight engagement between developers and operators, allowing for consistent approach and scalable tooling
- Distributed Version control allows local autonomy for higher velocity

Best Practices for Managers

- Allow team to be agile and get resources as they are needed

- Need to retain control on spend, security and compliance

- Leverage a control point to provide policy around resource consumption and segregation of duties

Future Trends

- Configuration Management is evolving
  - Shell Scripts and gold images
  - Configuration Management Tools like Chef and Puppet
  - Container technology like Docker
- These can help but they come down to having house in good order
- Homogeneous tools between roles to allow heterogeneous environments

Demo

http://www.enstratius.com

http://j.mp/devconatx