#### **Pivotal**

#### **Platform Modernization**

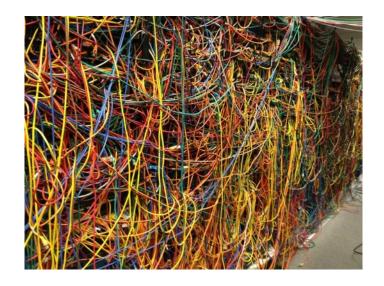
How to Choose the Right Technologies for Your Environments

Nebraska IT Leadership Forum April 30, 2019

### Digital Transformation



#### **The Problem**

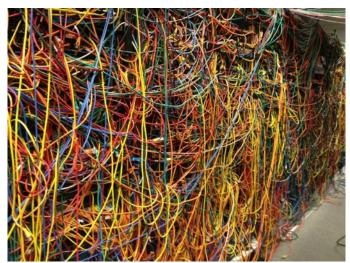


**Legacy Systems** 



#### **Transformation**

$$F(s) = \mathcal{L}\{f(t)\} = \int_{-\infty}^{+\infty} e^{-st} f(t) dt$$

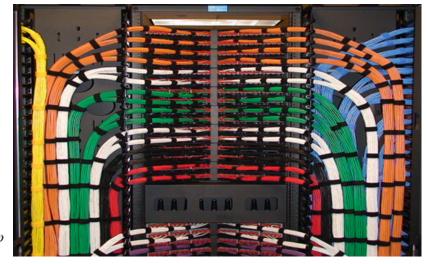






$$F(\omega) = \int_{-\infty}^{\infty} f(t)e^{-i\omega t}dt$$

$$f(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} F(\omega) e^{i\omega t} d\omega$$



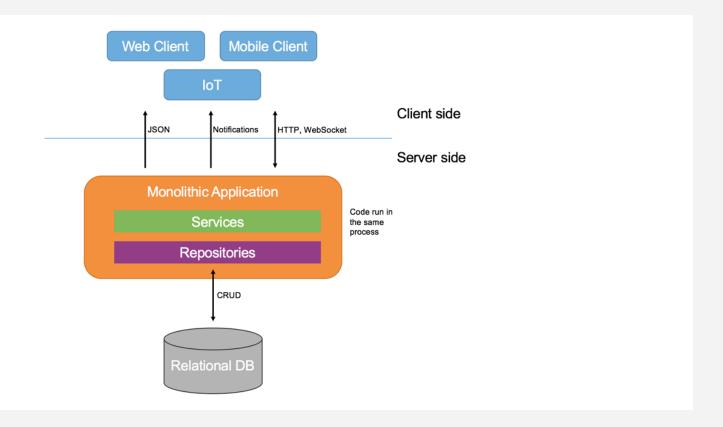
**Legacy Systems** 



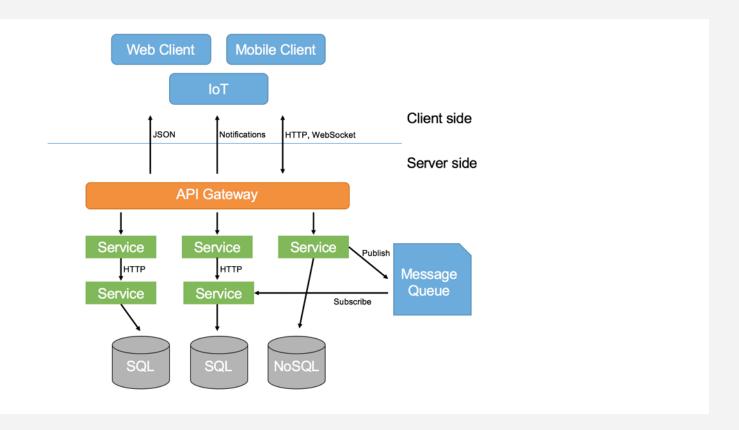
**Transform** 

**Encapsulated Systems** (Abstracted complexity)

#### From a Monolithic Architecture



#### To a Cloud Native Architecture





#### The Future Technology Stack

**Application Framework** 

**Runtime Platform** 

Infrastructure Automation

Infrastructure

# **Tools** Spring Cloud































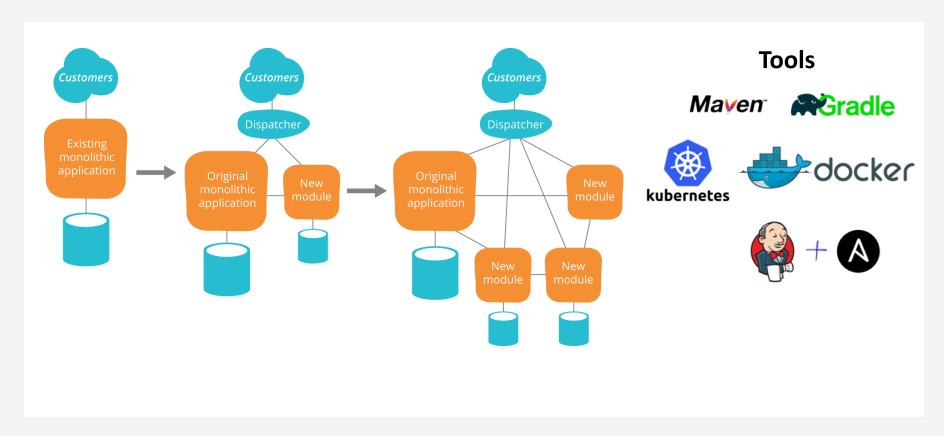




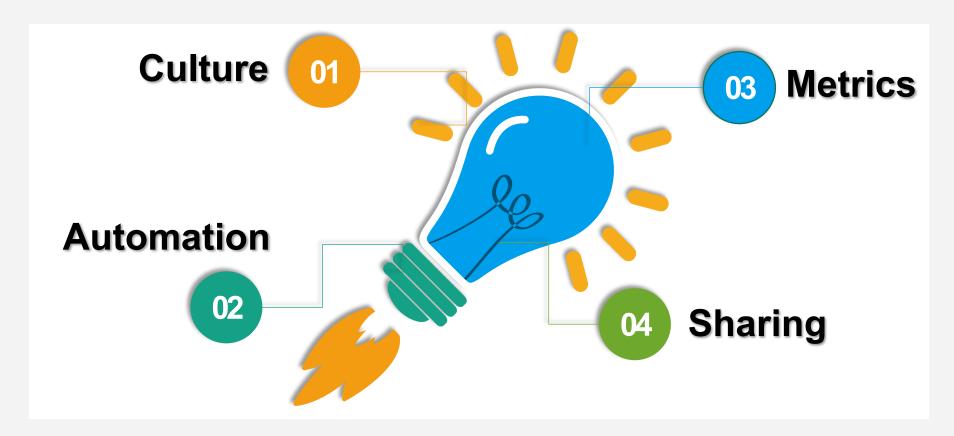




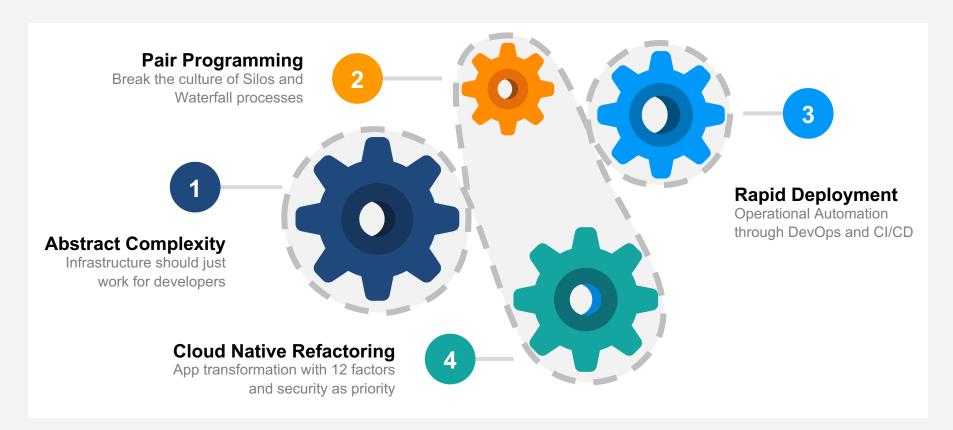
#### **Strangler Pattern**



#### **Four Themes**



#### The Approach



## Pivotal

Transforming How The World Builds Software