TCDRS Journey to the Cloud …

Thorny Dragon

Milk Snake

Polar Bear Cubs

Grizzly Bear Cubs

Pufferfish (or Blowfish)

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What is your "perception" of the Cloud?

TCDRS

★ Texas County and District Retirement System (TCDRS)

★ Pension Fund

★ 130 Employees

★ Manage pension funds for 900K+ members from 870+ employers

★ IT Team - Microsoft Shop

About Me

★ Vicente Sanchez - vicente@tcdrs.org

★ Web Application Solutions

– Microsoft Stack

– Application integrations

Agenda

★ Our challenges

★ How we got started

★ The value of POCs and Pilot Projects

★ Example: Our 50th Anniversary Website

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Challenges Adopting Cloud Computing

★ Cultural
  – What is the organization perception of the cloud

★ Technical
  – Readiness of existing systems for the cloud
  – Integration to on premise systems/networks

★ Capability
  – Does our team have the necessary skills

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Getting Started

- ★ Self Assessment
- ★ Find a Partner
- ★ Develop an Strategic Road Map
- ★ Develop an Implementation Plan

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POCs and Pilot Projects

- ★ Tangible examples to business units
- ★ Foster trust/confidence
- ★ Identify issues before deployment of critical systems
- ★ Develop team skills

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PILOT PROJECT
TCDRS 50th Anniversary
Website

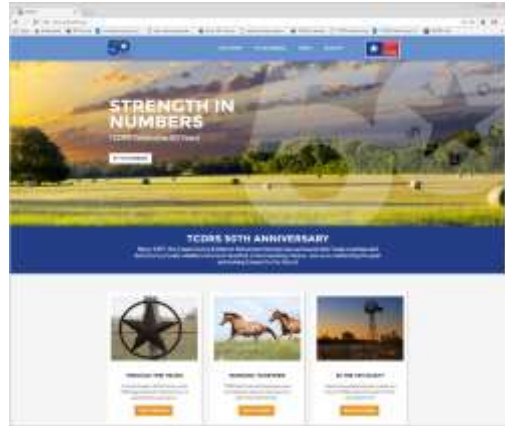## TCDRS 50th Celebration Campaign

Printed Handouts

Email Campaign

Social Media

Posters

TCDRS 50th Anniversary Website

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TCDRS 50th Website Requirements

Deliver in less than two months
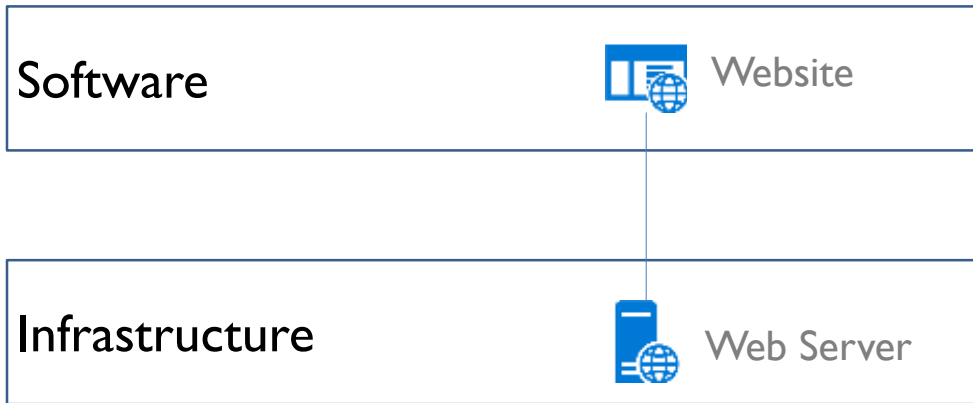
Meet the TCDRS 50th Celebration Campaign Brand

Cost effective

Easy to manage

Multi-device friendly

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Website Architecture

Software	Website

| Infrastructure | Web Server |

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Cloud Provider

Microsoft Azure

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The Azure Magic

Microsoft Azure

IaaS
Infrastructure as a Service
VMs, Storage, Networks

PaaS
Platform as a Service
App Services, SQL Azure

SaaS
Software as a Service
Office 365

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The Azure Magic

Microsoft Azure

IaaS
Infrastructure as a Service
VMs, Storage, Networks

PaaS
• Application platform
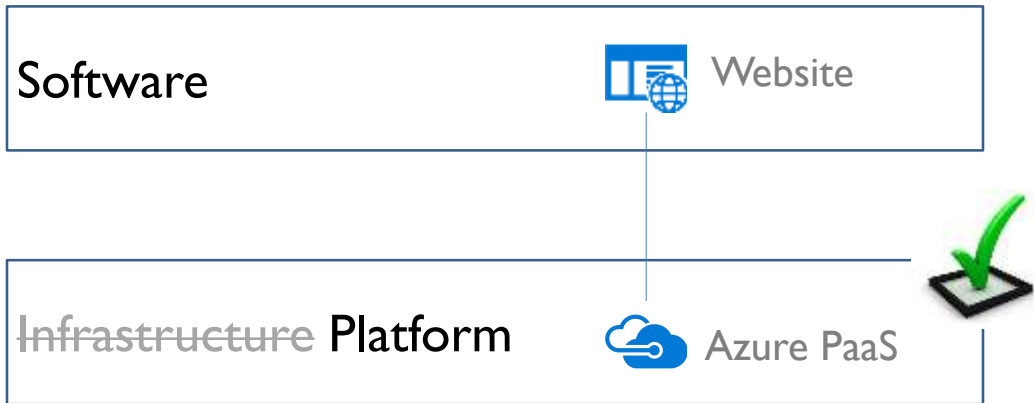• Integration
• Business Process Management

SaaS
Software as a Service
Office 365

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Website Architecture

Software   Website

Infrastructure Platform   Azure PaaS

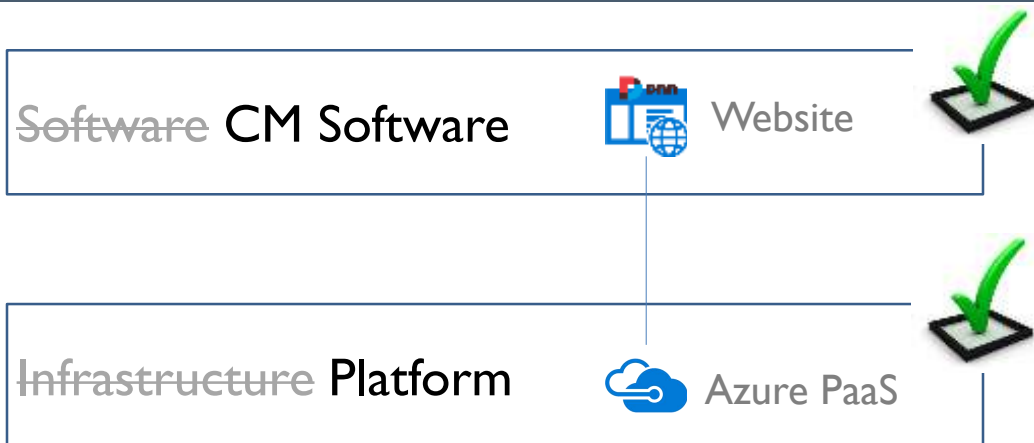21

Content Management Platform

DNN Software

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Content Management Platform

- Open source

- Feature reach CM Platform

- Low setup cost using Community version

- Strong development community

- Substantial and growing app store

- Works on Azure
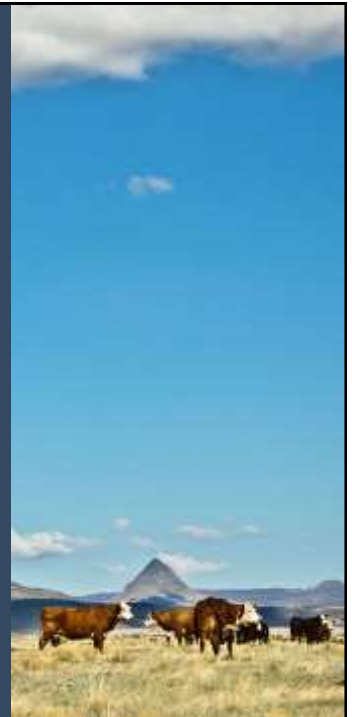
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Website Architecture

~~Software~~ CM Software Website ✓

~~Infrastructure~~ Platform Azure PaaS ✓

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Setting up 50th Website in Azure

1. App Service
2. Azure SQL
3. DNN Platform
4. SendGrid

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DEMO

Takeaways

★ There will be challenges adopting cloud computing

★ Develop a cloud adoption plan

★ Find a partner to help bridge the knowledge gap

★ Take advantage of ready built open source solution

★ Azure PaaS is powerful stuff worth exploring more

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Questions?

www.tcdrs.org
www.tcdrs50.org