Embracing the Cloud, How Business Strategy helped clear the fog

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Introduction

1) Stage 2 context / background

2) The journey

3) Challenges

4) Decisions

5) Conclusion

Context

Stage 2

Journey

Story

Background

2012

- New Strategic approach to Spatial Enablement

<2012

- Silos
- No system of record
- No single source of truth
- No Agency wide Geospatial Capability

Background – Stage 1

Stage 1

- Centrally coordinating Geospatial Team
- Enterprise Geospatial Platform
- Governance, data, integration, processes and tools

Background – Stage 1

- Supported business units across the Agency
  - Informed Decisions
  - Deliver and Improve customer services
  - Support collaboration with Partners

- Examples:
  - Property
  - Gotcha
  - Improved Freight Permitting
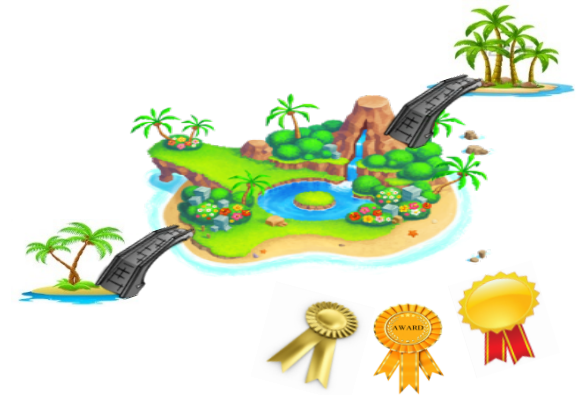
Background – Change

Focused: Future

Transformation Restructure

Remobilizing

Attention to Business Intelligence

Respond to a fast changing industry

New Strategy, Responses and DNA

GREAT JOURNEYS TO KEEP NEW ZEALAND MOVING

One Connected Transport System

People-centred Services

Partnerships for Prosperity

Curious, Collaborative, Customer Focussed

Background – Change

- New Strategy and Direction required us to relook at our platform
- From our current aging platform we knew that:
  - Improved access for partners
  - Improved and greater variety of tools
  - Empower Staff with Self Service
  - Open Data
  - Mobility
  - Flexible, Agile
  - Resiliency

The Journey

Planning

- Project Team

- Set off on our journey with the following in mind

Initiation

  - Improved Access
  - Tools
  - Self Service
  - Open Data
  - Ease of Maintenance, administration and management
  - Mobility
  - Flexible, Scalable and Agile

- Set off on our Journey

NZ TRANSPORT AGENCY
WAKA KOTAHI

New Zealand Government

Challenges

Upgrade Local Tin

GISaaS

Best Practices

Capacity

Insights

New Tools

Migration

Time

80/20 COTS

IaaS, PaaS and SaaS

New Products

Budget

Upgrade Maphub on Local Tin

Change

Local and SaaS

Data store

Capabilities

App/Apps

Local, PaaS and SaaS

IDP

Transformation

HLR

Decisions

WHY?

HLR

Decisions

GREAT JOURNEYS TO KEEP NEW ZEALAND MOVING

One Connected Transport System	People-centred Services	Partnerships for Prosperity
Accessibility	Functionality	Strengthen Existing
Internal and External	Mobility	Support
	Flexibility, Agility	Partnering

Curious, Collaborative, Customer Focussed

Decisions

New Tools, Apps, Functionality, Capability, COTS First, Development, 80/20

- People Centred Services. Is this what our customer needs? Will this benefit and support the organisation in creating great journeys?

Deployment: Local, IaaS, SaaS, PaaS, Hybrid

- Partnerships for Prosperity.
- People Centred.
- GISaaS, Managed Service

Security

- Partnerships for Prosperity and Collaboration (Better access to single source of truth)
- Could based IDP federated with AD
- Custom Roles

COTS First, Development, 80/20

- People Centred Services

Decisions

Good Practice

ArcGIS Enterprise

GISaaS, SaaS and Local

Okta

Best Practices

Upgrade Local Tin

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Decisions

Applied Approach

Ask Why

- Tracked according to timeframes
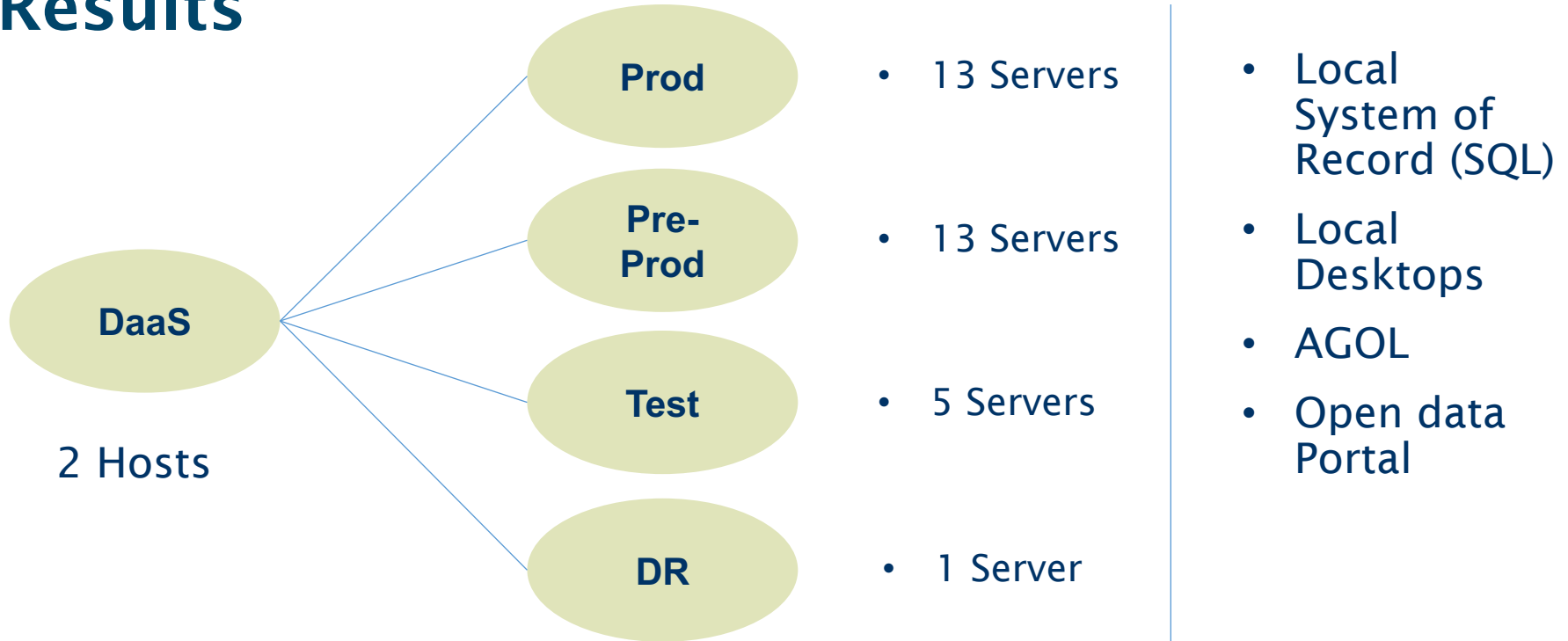- Remained in Budget
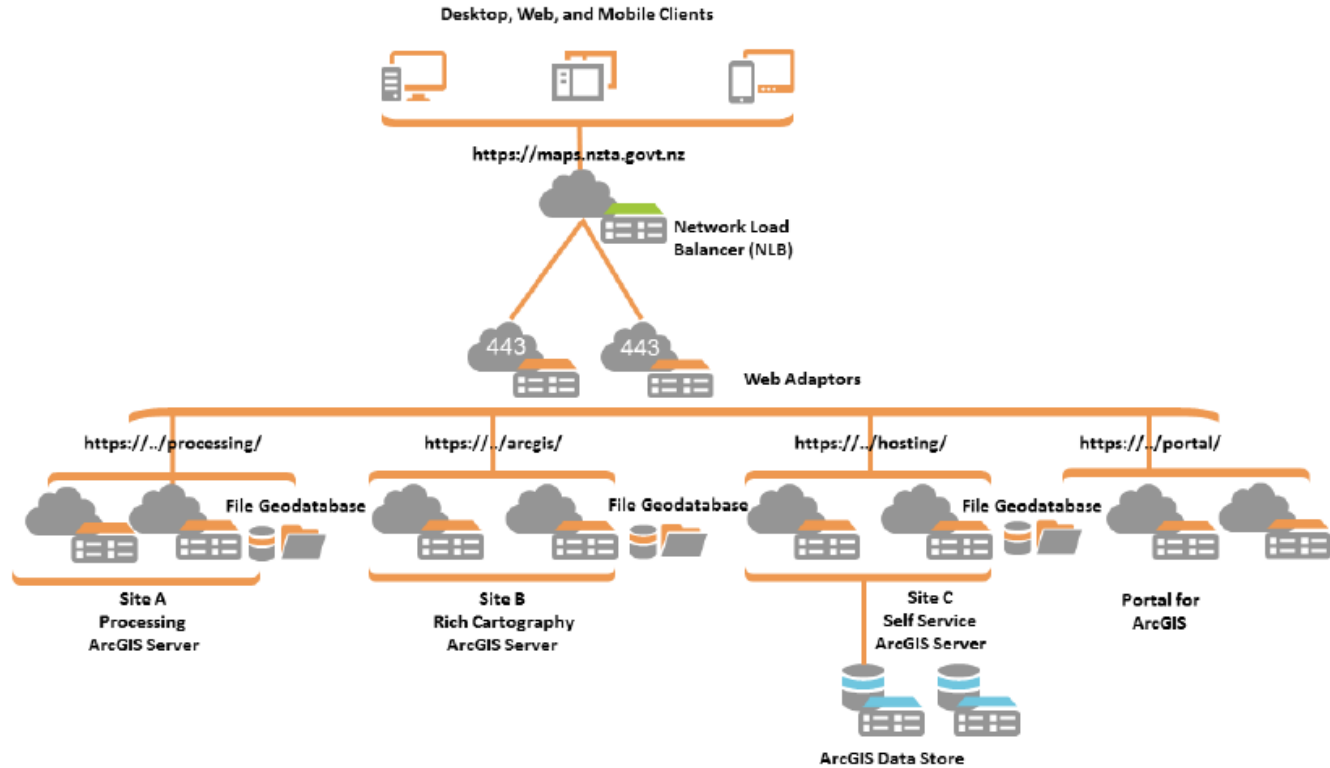- Learned a lot along the way

Business Case

Detailed Re...

SAD

Results

DaaS

2 Hosts

Prod
- 13 Servers

Pre-Prod
- 13 Servers

Test
- 5 Servers

DR
- 1 Server

- Local System of Record (SQL)
- Local Desktops
- AGOL
- Open data Portal
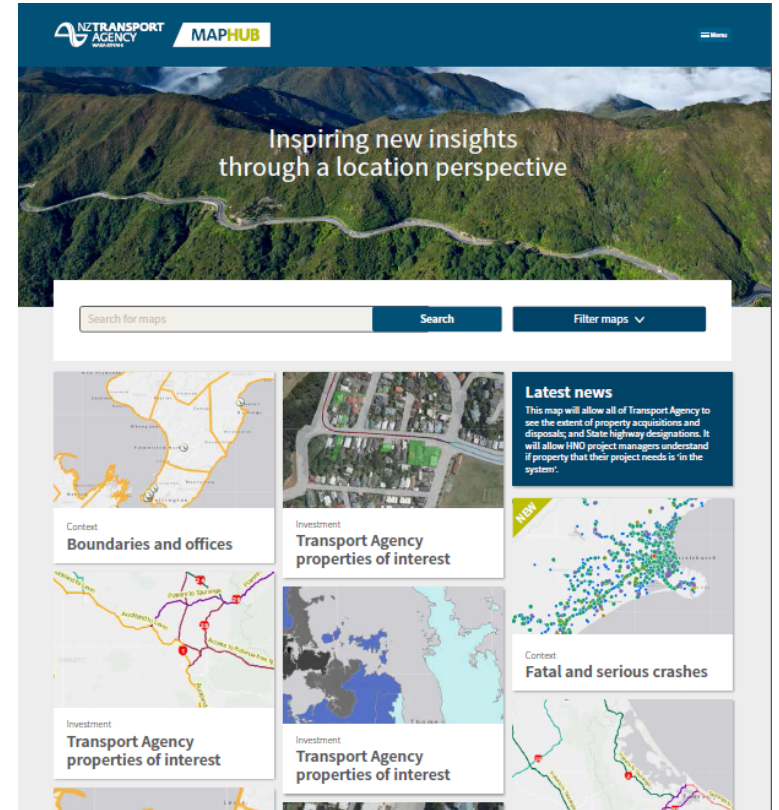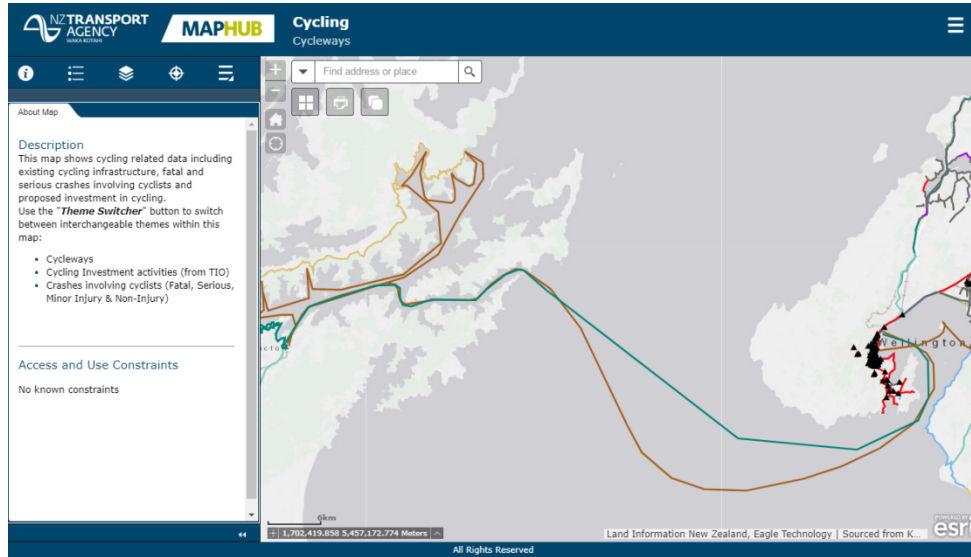
Results

Results

- Trough knowing our Why
  - Cloud based
  - 3 Environments and DR
  - ESRI ArcGIS Enterprise
  - Cloud based IDP
  - Custom Template and Tools
  - GISaaS
  - Tested
  - Migrated
  - Within Budget
  - In Time

Results

Conclusion

- Understand and Buy In to strategy so you can apply it to your approach

- Have Well Defined Whys

- Define your How's early.
  - Essential when working with others
  - Essential for all to buy in.

- Best Practice is not always your best practice.

Questions