

New Spatial Technology for Cadastral Systems

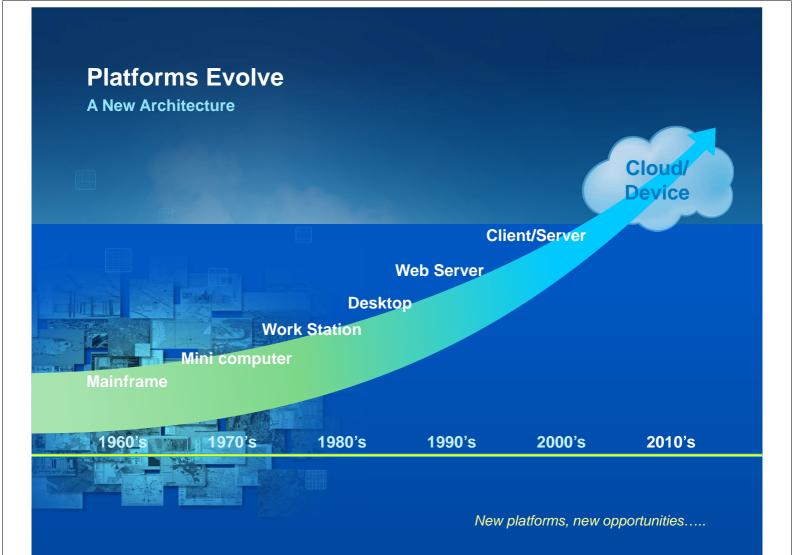
Brent Jones, PE, PLS bjones@esri.com

Elements of a Computing Platform

Trends in spatial technology

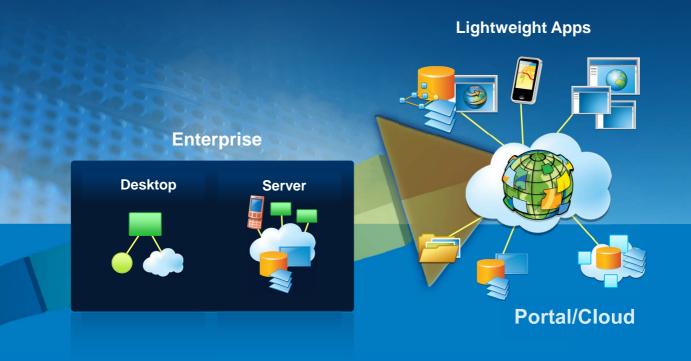
- Computation Infrastructure
- Purpose-built services
- Standards-based
- Device Independent
- Content
 - Ubiquitous Imagery, basemaps, services, etc.
 - Specific
- Secure
- SDKs, Apps, Interfaces
- Portals
 - Access, Updating, Sharing

Flexible, Open, Easy



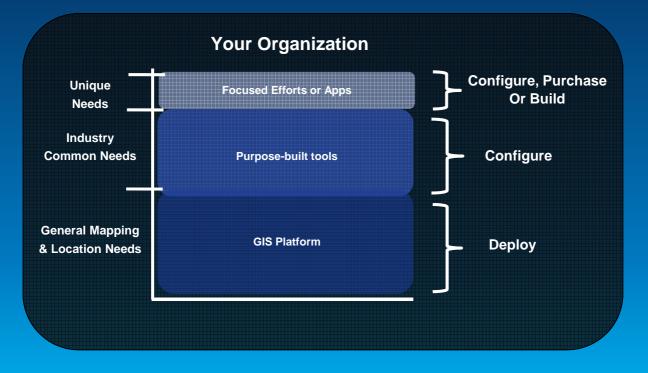
GIS has become a Platform

Expansion of GIS, not replacement.....



Modern Platform Deployment

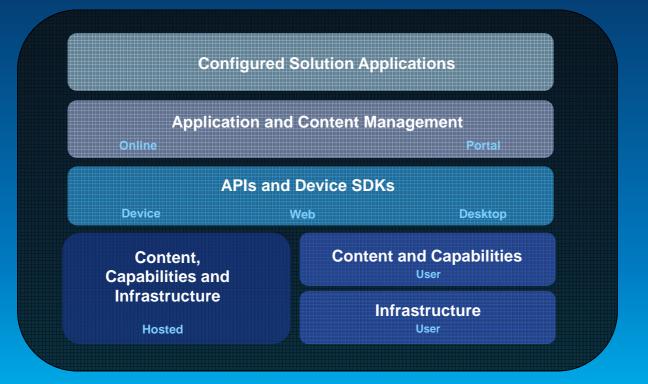
Configure before code....



Enabling platform technology to speed deployment and lower cost......

Modern Platform Deployment

Configure before code....





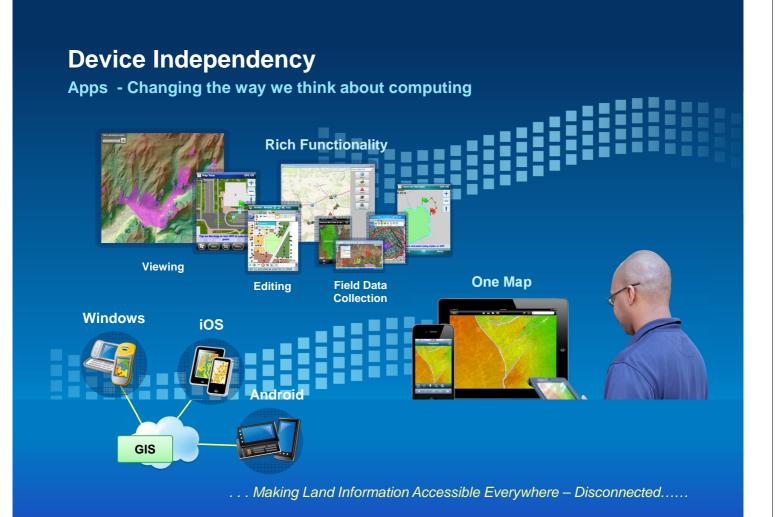
A **web service** is a method of communication between two electronic devices over a network.

It is a software *function* provided at a network address over the web with the service *always on*.

Services Mashed Up

Providing Intelligent Maps to Everyone - Disconnected





Collecting Data in the Platform Add information on tenure....

Any device

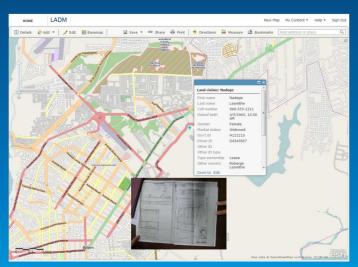
Works disconnected

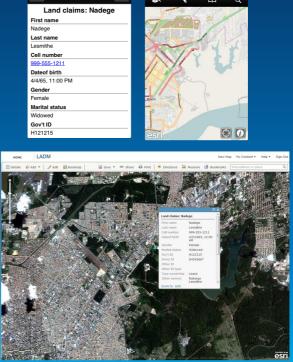




Open Maps and data models.....

Managing Data in the Platform On your phone, on your desktop, on the web....





Worldwide, device independent......

Global Basemaps and Data

Normalized Commercial and Government Sources



Maps and Feature Services

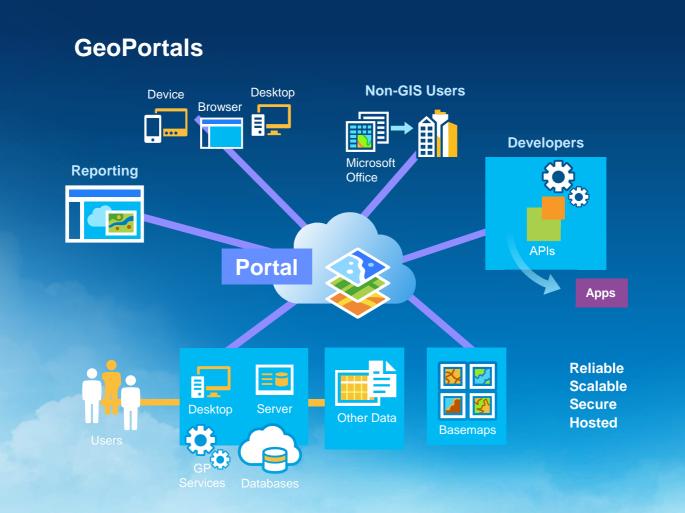
Geocoding Streets Oceans **Places** Terrain Imagery Demographics Topographic

... Providing a Foundation for Your Work

This Platform Integrates All Types of Information



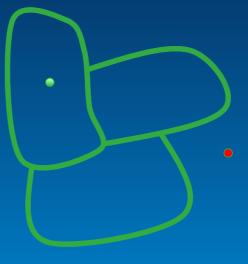
. . And Make It Accessible Widely



Security, Trust, Privacy

New capabilities to support new activities....

- GeoTriggers
- Device Authentication
- Server Authentication
- ISP
- Time
- Metadata



Land Information Systems

GIS is the platform of land systems worldwide



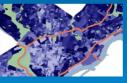
Field Data Collection







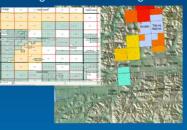
Property Valuation



Address Systems



Integrated Land Management

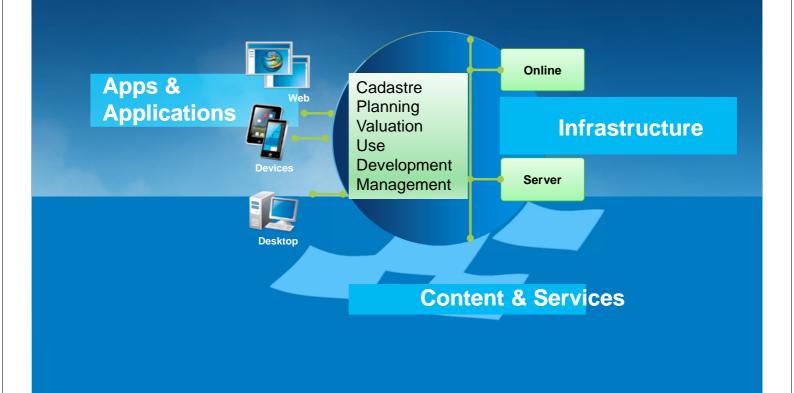


National Data Portal

Direction and the second	10
Land and Mineral Use Records Viewer	
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A rest	Processories A
	Final State
Mantel Street Annual Spectrum	a

GIS is the Platform for Land Administration

A Comprehensive, Secure, Technology Platform





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