What Would John Snow Do (Today)?
Part 1
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Thurs Oct 19th, 2017
Outline

• Overview of the ArcGIS Platform
• “Whiteboard” discussion
• Summary
• Questions
A Whole New Type of GIS Is Emerging
Connecting Individuals, Organizations and Communities
GIS is Becoming Distributed (aka. Web GIS)

New Pattern: System of Systems

- Access - anywhere, any time, any device
- Visualization and analytics
- Agile workflows for everyone
- A Platform to integrate GIS into Other Business Systems
- Enables Collaboration
- A Mapcentric Content Management System
ArcGIS Is a Platform
Enabling GIS Everywhere

Available in the Cloud . . .
. . . and On-Premises
Whiteboard discussion – Concept diagram

ArcGIS Desktop
ArcMap/ArcCatalog
GDB

Web clients
Mobile clients

ArcGIS Maps for office
Collector for ArcGIS
ArcGIS Runtime SDKs

ArcGIS Server

Web map
item
Web map 2
ArcGIS Online (portal)

Web App

Portal for ArcGIS
ArcGIS Pro
ArcGIS Maps for office
Collector for ArcGIS
ArcGIS Runtime SDKs

Web clients
Mobile clients

ArcGIS Desktop
ArcMap/ArcCatalog
GDB
Key Themes

- Share spatial data and content with everyone
- Empower non-GIS “experts” to create and work with spatial data
- Maps everywhere
  - Anytime, anyplace, on any device
- Work from a common authoritative dataset
- Promote collaboration
  - Share knowledge and expertise
What Are the Deployment Options?

ArcGIS Enterprise
Software you install and manage in your own infrastructure.

ArcGIS provides Options for Implementing Web GIS

ArcGIS Online
Software as a Service. Software is managed by Esri on Esri’s cloud infrastructure.
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Simple
Integrated
Open
Key ArcGIS components for Web GIS

- Information Products
- Access Control
- Web Services
- Data

Apps
- portal
  - GIS Servers
    - Authoring tools
  - Ready to use Content
Web GIS Deployment Patterns

Apps

portal

GIS Servers

Ready to use
Content

SaaS

Software

ArcGIS Online (portal)

ArcGIS Online (Hosted Servers)

ArcGIS Online Services

Data Appliance for ArcGIS

Portal for ArcGIS

ArcGIS Server
Clarifying the term “portal” vs. “Portal”

- Small “p” → Refers to the concept of a portal, it could be ArcGIS Online and/or Portal for ArcGIS
- Big “P” → Specifically refers to Portal for ArcGIS, the software component of ArcGIS Enterprise
Web GIS Deployment Patterns

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ArcGIS Server

Data Appliance for ArcGIS
Web GIS Deployment Patterns

SaaS
Software

ArcGIS Online (portal)

ArcGIS Online (Hosted Servers)

ArcGIS Online Services

Portal for ArcGIS

ArcGIS Server

Data Appliance for ArcGIS

Ready to use Content
Web GIS Deployment Patterns

**SaaS**

**Software**

- Portal for ArcGIS
- ArcGIS Server
- ArcGIS Online (Hosted Servers)
- ArcGIS Online Services
- Data Appliance for ArcGIS

- portal
- GIS Servers
- Ready to use Content
Web GIS Deployment Patterns

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ArcGIS Online (portal)

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Data Appliance for ArcGIS

portal

GIS Servers

Ready to use Content
Web GIS Deployment Patterns

SaaS

Software

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Ready to use Content

GIS Servers

portal
ArcGIS

Supports Multiple Implementation Patterns

An Interconnected Network Is Emerging . . .

Cloud / SaaS

Server

Desktop

System of Systems

. . . A Distributed Platform of Open Geospatial Services
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