Smarter Data, Smarter World: 1Integrate for ArcGIS

Bob Chell, Booth 7
over 45 years of innovation and development in Geospatial solutions

Technology partners:
- Oracle
- Trimble
- Safe Software
- Snowflake
- Pitney Bowes
- Latitude Geographics

Global offices:
- Cambridge
- Liege
- Sydney
- Paris
- Dublin

Industry sectors:
- Military
- Telecommunications
- Natural Resources
- Emergency Services
- Utilities
- Transport
- Mapping authorities and land management
- Government

Reseller partners:
- US
- Algeria
- Canada
- Cameroon
- Netherlands
- Malaysia
- Russia
- Tunisia
- India
- Senegal
- Brazil
- Morocco
- New Caledonia
- Kuwait

Customers:
- Ordnance Survey
- IGN
- Tecteo
- Strasbourg21
Rules-Based Spatial Advantage

• **Data Integration** - *maximise ROI through re-use, integration of data across the enterprise*

• **Data Validation** – *automate manual, time-consuming, subjective QA tasks. Certification required for proof of data quality (SLA’s, legislation)*

• **Data Enhancement** – *automate cleaning tasks, create new data, construct repeatable, non-subjective corrective actions.*
Rules-Based Approach

Data Discovery → Define Rule Metadata

Agree Quality Mission

Baseline Assessment

Master Data Management

Perform Data Reconciliation

Check Conformance

Data Publication

Data Quality Assessment

Data Quality Management
Current Situation

• The common approach involves custom integration at application level….
  – Costly to upgrade
  – Different for each application
  – No enforcement of business logic across enterprise
Business Integration

- Enables business logic to be shared across the enterprise
  - Easier to adapt and respond to change
  - Integrate with third party systems
Benefits

Compliance of all data across your enterprise, GIS to asset management

• Control, consistency and confidence in your data through the use of shared business rules

• Allow accurate decision making, align regulatory compliance and improve customer experience

• Spatial Advantage™ through the use of rules-based automated data management
Demonstration
1. Q3 2015
   - ArcGIS Server 10.3.1 SOE integration
   - Rule Author
   - On-Premise Rule Store
   - Web App & ArcGIS Pro 10.3 support

2. Q1 2016
   - Cloud Rule Store
   - ArcGIS Online integration

3. Q2 2016
   - Client-side rules engine (.net)
   - ArcGIS Pro client-side rules engine
   - Collector for ArcGIS (Android)

4. Q3 2016
   - Collector for ArcGIS (iOS)
   - Operations Dashboard for ArcGIS
   - Esri Maps for SAP
Supported Configuration v1.0

• 1Integrate for ArcGIS SOE:
  • ArcGIS Server 10.3.1
  • Portal for ArcGIS 10.3.1
  • ArcGIS WebAdaptor for IIS 10.3.1
  • Windows Server 2012 R2

• 1Integrate for ArcGIS Widget available for:
  • Web App Builder
  • ArcGIS Pro
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