Use of Workflow Manager in the publication of web services

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About Geoscience Australia

Australia's pre-eminent public sector geoscience organisation. We are the nation's trusted advisor on the geology and geography of Australia. We apply science and technology to describe and understand the Earth for the benefit of Australia.
Geoscience Australia 7 Value Streams

- Building Australia's Resource Wealth
- Ensuring Australia's Community Safety
- Securing Australia's Water Resources
- Managing Australia's Marine Jurisdictions
- Providing Fundamental Geographic Information
- Maintaining Geoscience Knowledge and Capability
Web Services at GA

• Currently have over 120 web services published
• Can be found by going to services.ga.gov.au
• Using both ArcGIS Server and GeoServer
• GA is committed to Open Standards and all of our services are OGC compliant
Service Publication Process - Before

• The web service publication process was not well documented
  - Services were being published without guidance or controls
• We didn’t have any way of making sure our web services met standards
• No visibility of where within the process a web service was
  - Owners of the service would have to chase multiple people to find out
Lean Process

What were we going to do to improve this?

• We chose to go through a Lean process to help optimize the web service publication process

• Lean focuses on creating more value for customers with fewer resources

• Went through two reviews of the web service publication process
Use of Workflow Manager in the publication of web services.
Workflow Manager the Answer

- We already had Workflow Manager at GA
- A majority of the users publishing web services know Esri software
- The ability to serve it as a service with a web application over it for ease of access
- The ability to take our existing word documents and compile all the information within a database
- The ability to track the progress of the web service publication
  - Even managers can log in without having to have ArcGIS installed on their computers
Web Service Publication Workflows

- New Web Service Publication
- Update Web Service
- Decommission Web Service
The Workflow Manager Web Application

Use of Workflow Manager in the publication of web services
Future Improvements

• Increase automation of the workflow more
  • Extract information from the extended properties tables to an xml file for import into our metadata catalogue system
  • Publication of web service to production environment

• User Interface Improvements
  • Refine help documentation
Questions?

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