



Australian Government
Geoscience Australia



Use of Workflow Manager in the publication of web services

Danielle Beaudreau

Spatial Data Administrator

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

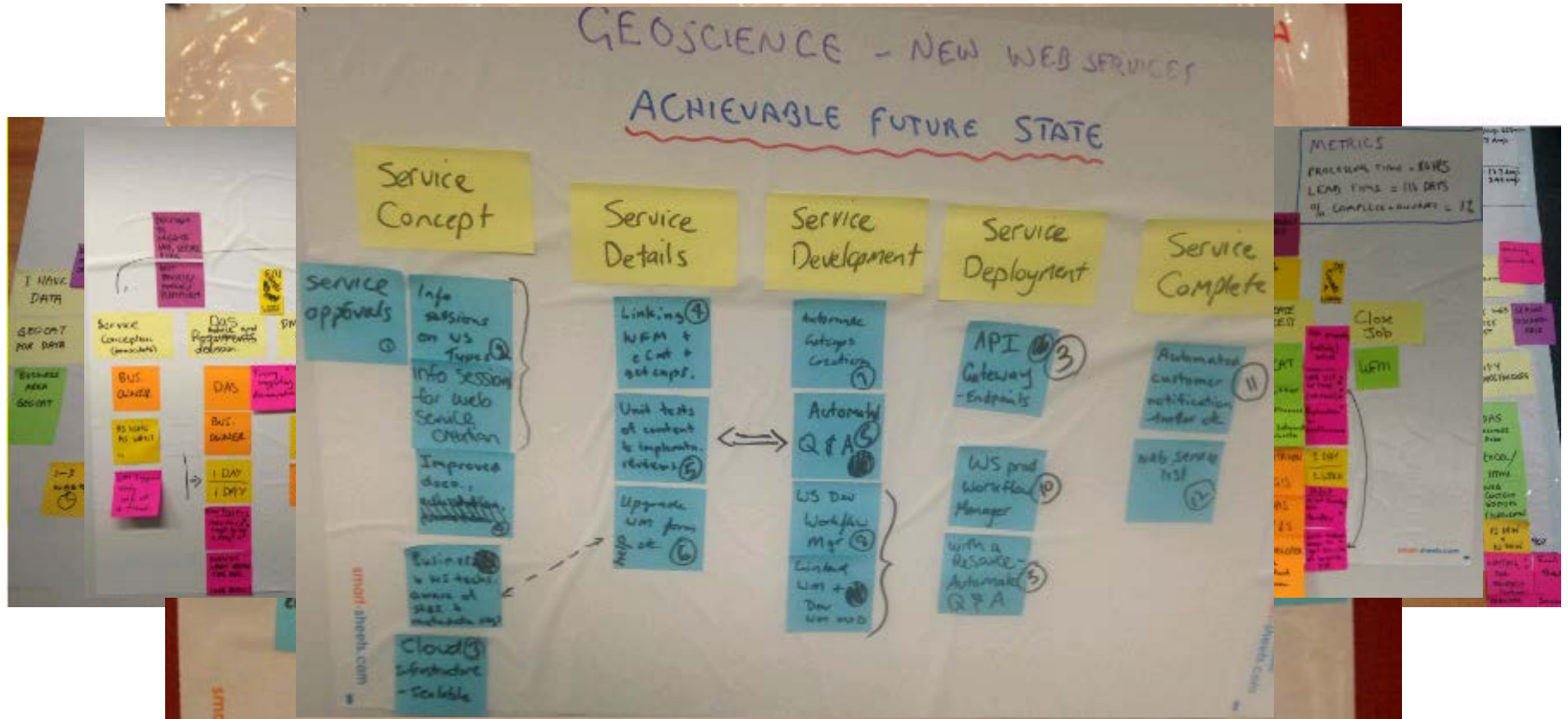
- The web service publication process was not well documented
 - Services were being published without guidance or controls
- We didn't have any way of making sure our web services met standards
- No visibility of where within the process a web service was
 - Owners of the service would have to chase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

Lean Review

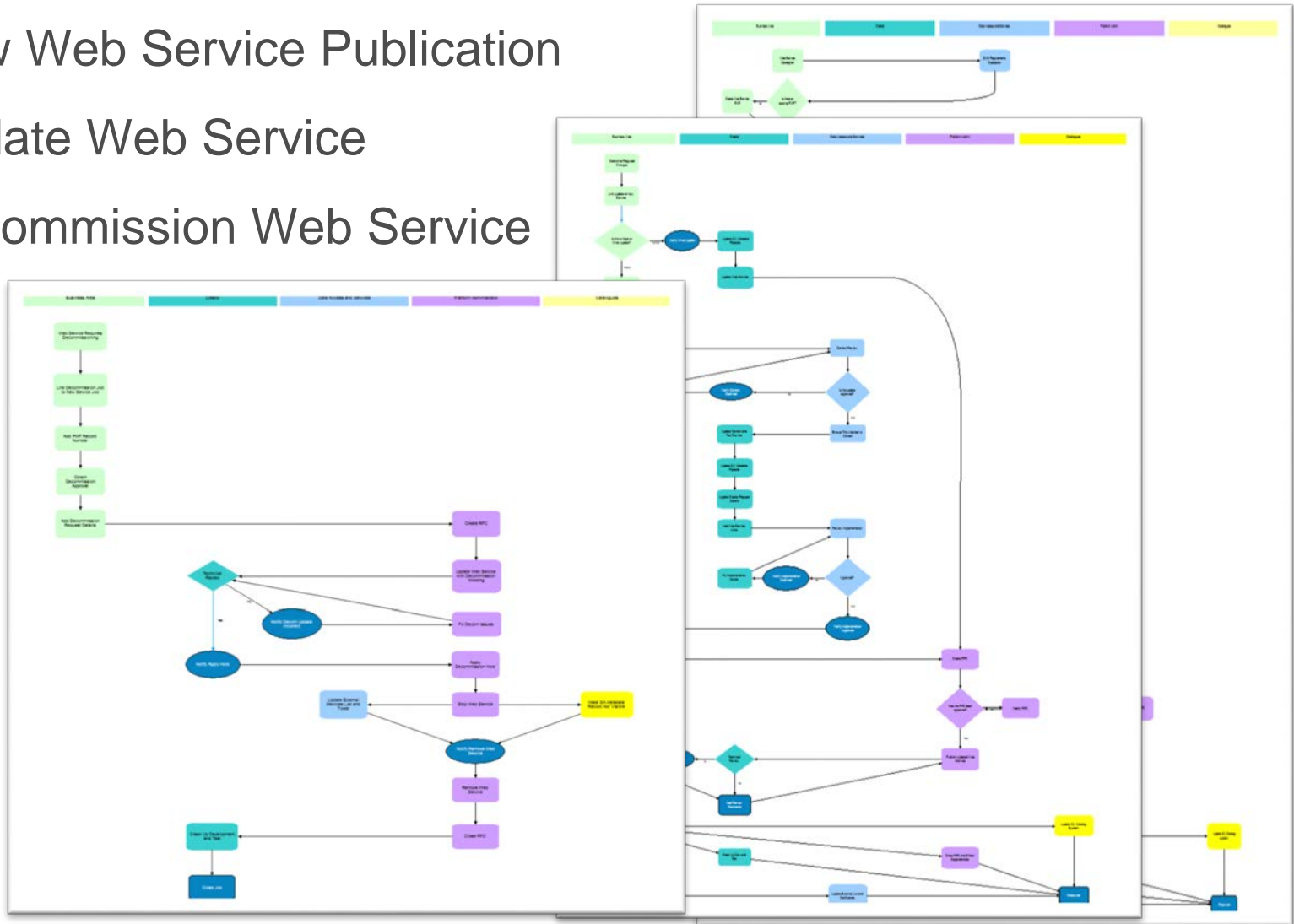


Workflow Manager the Answer

- 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

The screenshot displays the 'Job Detail' page for a workflow named 'New Web Service Test' (ID # 14721). The interface includes a dark blue header with navigation tabs: 'Reports', 'Job List', and 'Job Detail'. A user profile for 'Danielle Beaudreau' is visible in the top right. On the left, a sidebar lists various sections: 'Workflow', 'Product Details', 'Dependencies and Links', 'Job Properties', 'Activity Log', 'Attachments', and 'Holds' (which is highlighted in blue). The main content area features a table with columns: 'Hold Date ^', 'Type', 'Held By', 'Comment', 'Release Date', 'Released By', and 'Release Comments'. The table is currently empty, displaying the message 'There are no records'. Below the table, there are two buttons: 'Add Hold' and 'Refresh'.

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



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Questions?

Phone: +61 2 6249 9111

Web: www.ga.gov.au

Email: clientservices@ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Postal Address: GPO Box 378, Canberra ACT 2601