Beyond SDI

Becoming cloud native?

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About me

Google’s Geospatial Technologist since 2007

Director of the Open Geospatial Consortium, past co-chair of W3C Geospatial Data Working Group, member of the UK Government Open Standards Board, and Visiting Professor at University College London.

Chief Technology Officer of Ordnance Survey (GB)

EMEA Applications Manager, Autodesk

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Overview

About Google

Cloud Native?

Cloud Native what does it mean for data?

In Conclusion
About Google..
“organise the world’s information and make it universally accessible and useful”
“everything is related to everything else, but near things are more related than distant things.”

Waldo Tobler, 1970
Cloud Native ?
Cloud Native SDI ?

Upgrading the infrastructure..
Speed, agility and chaos?
Cloud Native what does it mean for data?
Access and Usability

The 2 pillars of successful spatial data publishing.

- Move beyond the SDI paradigm, metadata harvesting not enough
- Data must be discoverable by automated systems AND
- Data must itself be directly accessible and linkable on the Internet
- Volumes of spatial data especially EO data requires streamable data formats.
Dataset search

a starting point..

Step 1
Update the code that generates your dataset pages to add markup to those pages (Markup Helper)

Step 2
Verify your markup using the rich results test

Step 3
[Optional] Submit a sitemap that lists all the dataset pages to Search Console. Learn more about sitemaps here.

Step 4
Wait a few days for your page to get re-crawled and indexed
Data discovery by browsing..
Streamable Data
In Conclusion
Spatial is not special, except when it is!
Thank You!

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