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Leveraging ArcGIS Online for Non-FlexiCadastre Users

FlexiCadastre NAM Regional User Conference, Denver
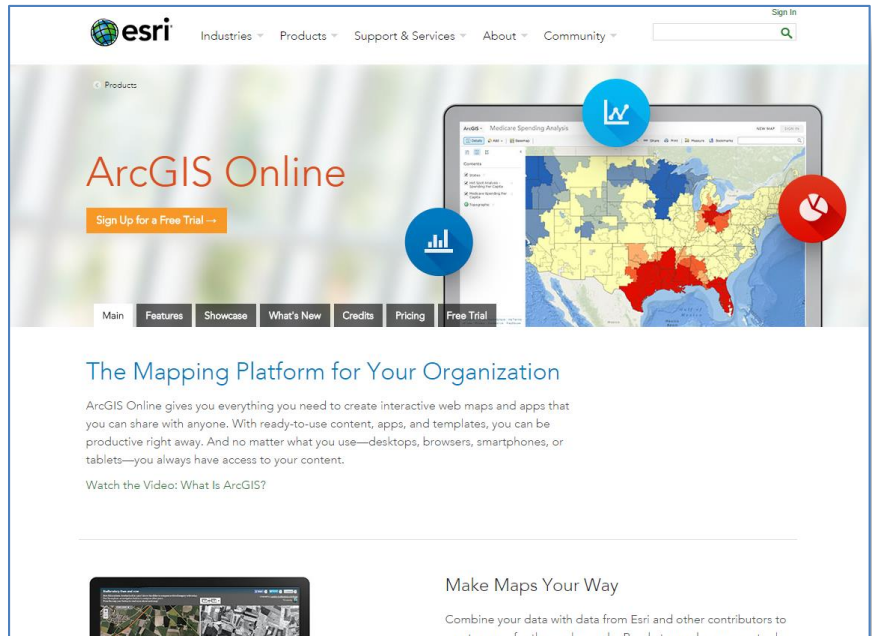*April 13th – April 14th, 2015*

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Outline

- What is ArcGIS Online?
- Spatial Dimension's Public Map Portals
- Demos

What is ArcGIS Online?

- An online mapping platform

- Ready-to-use content, apps & templates

- Extensive library of online geographic datasets

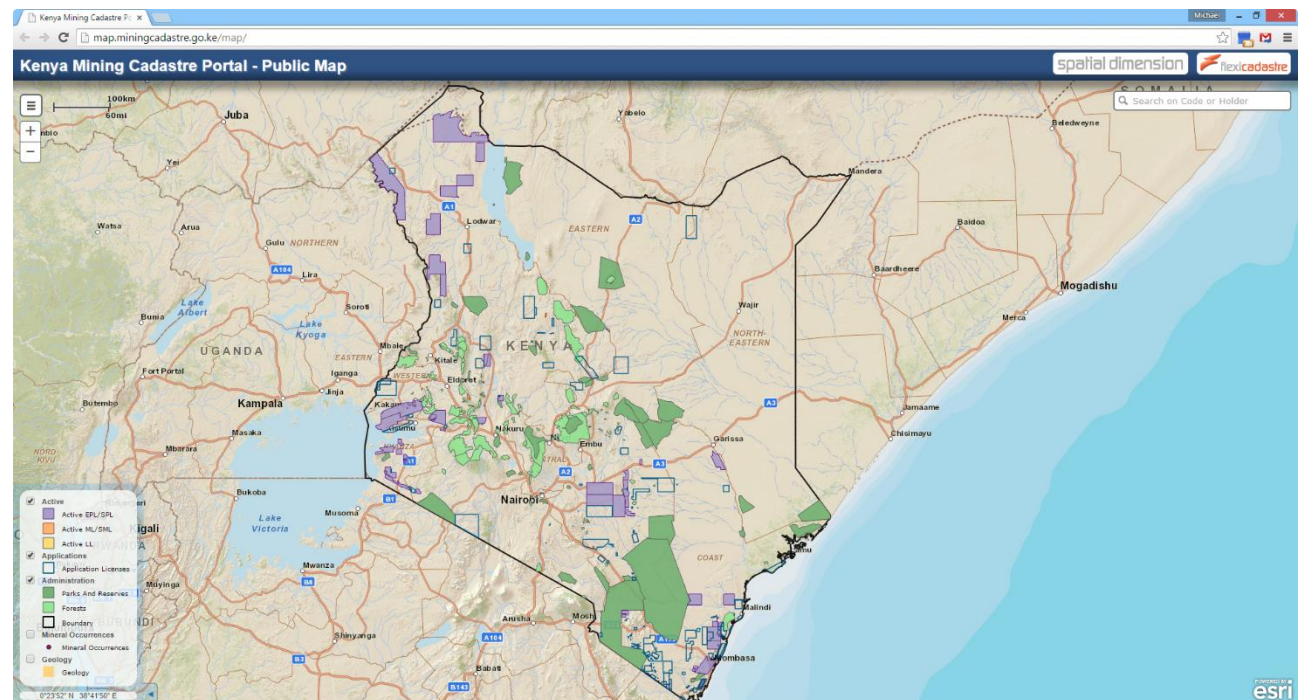- Upload your own data & combine with other basemaps & datasets

What is ArcGIS Online?

- Purchase credits

- Costs based on usage

- Spend credits to:
  - Store data
  - Render map tiles
  - Deliver features
  - Perform processing and conversion tasks

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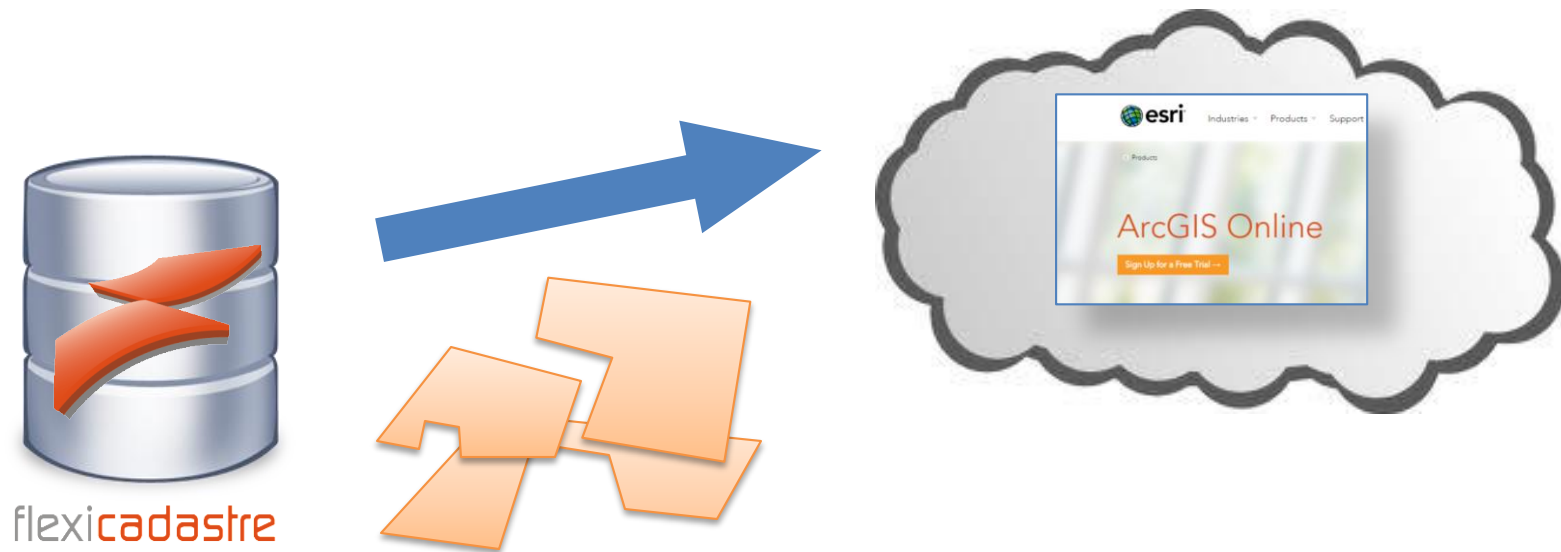
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Public Map Portals

- 9 government clients

- Promotes transparency, reduces corruption

- Open, public data

ArcGIS Online for Map Portals

ArcGIS Online for Map Portals

Vector data uploaded to ArcGIS Online

ArcGIS Online for Map Portals

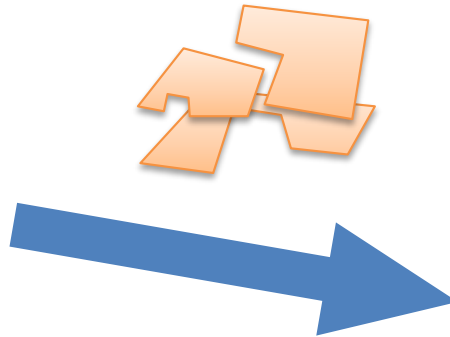Two options for delivering data to the browser

Features (vector)

Tiles (raster)

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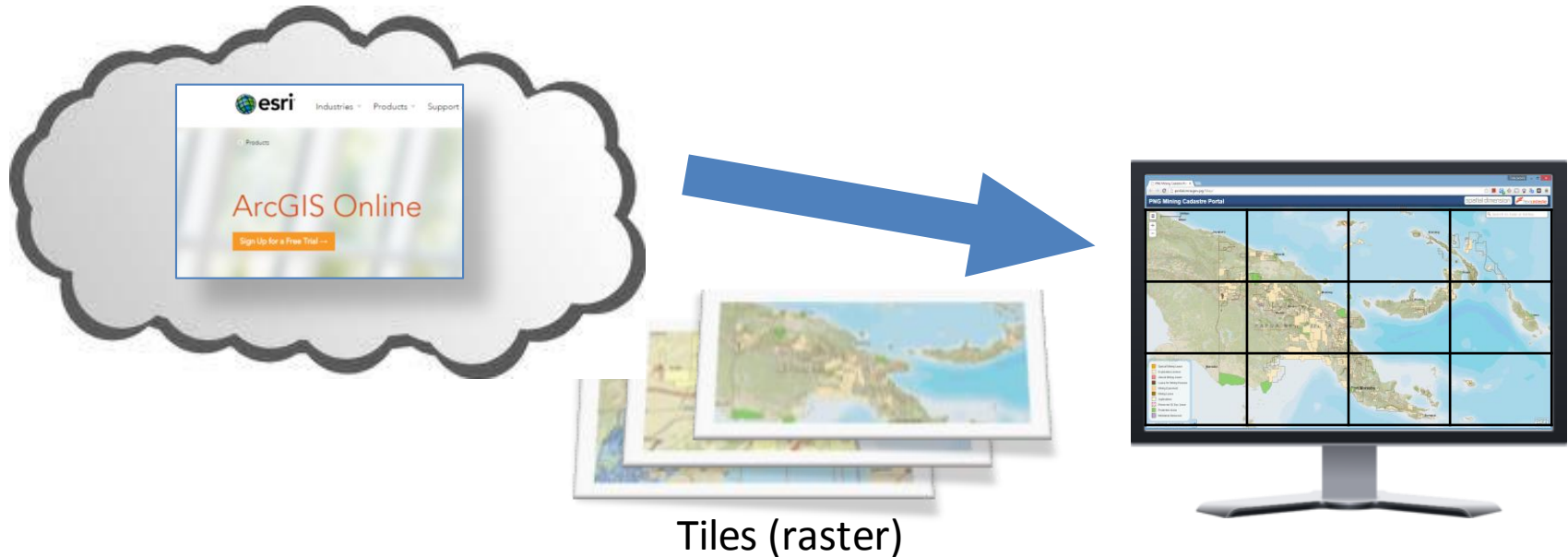spatial dimension

ArcGIS Online for Map Portals

Features (vector)

✓ Faster (few features)
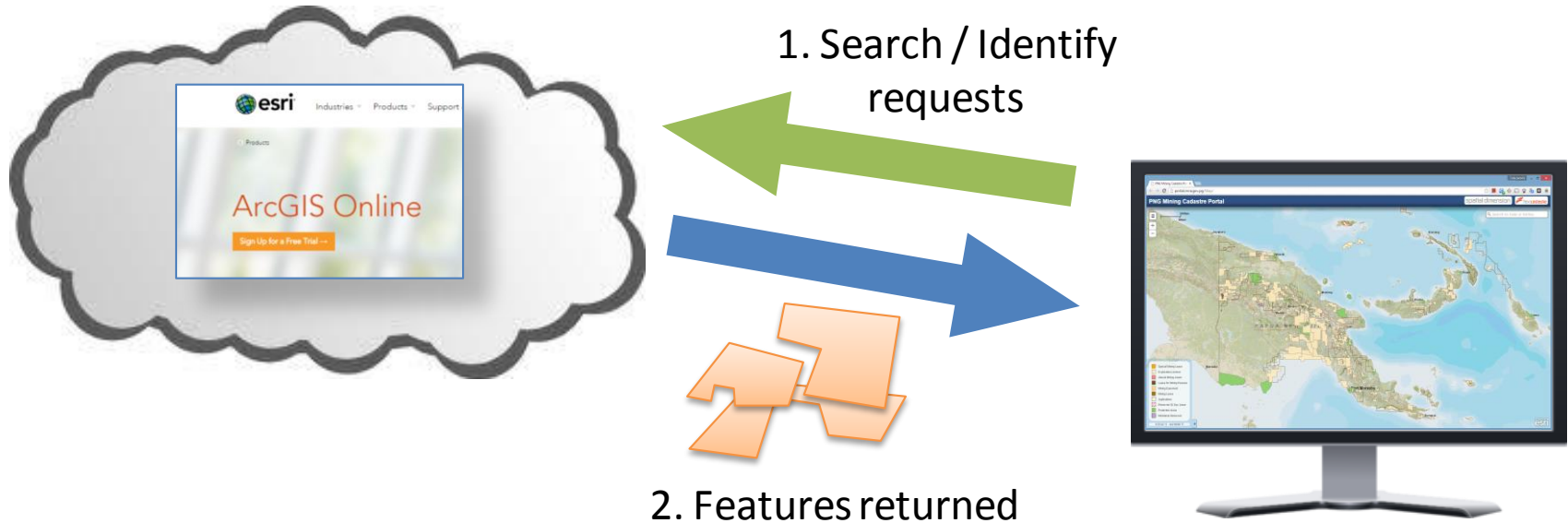✓ Includes attributes

✗ Very slow for many features (50,000+)

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ArcGIS Online for Map Portals

Tiles (raster)

✔ Faster (many features)

✘ No attributes
✘ MANY tiles to generate at high zoom levels

ArcGIS Online for Map Portals

1. Search / Identify requests

2. Features returned
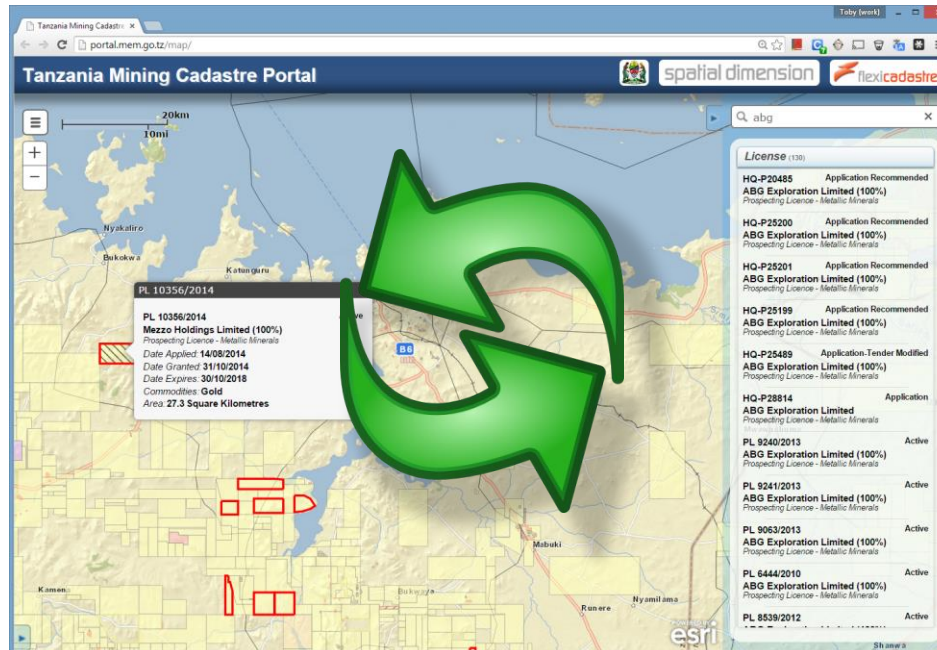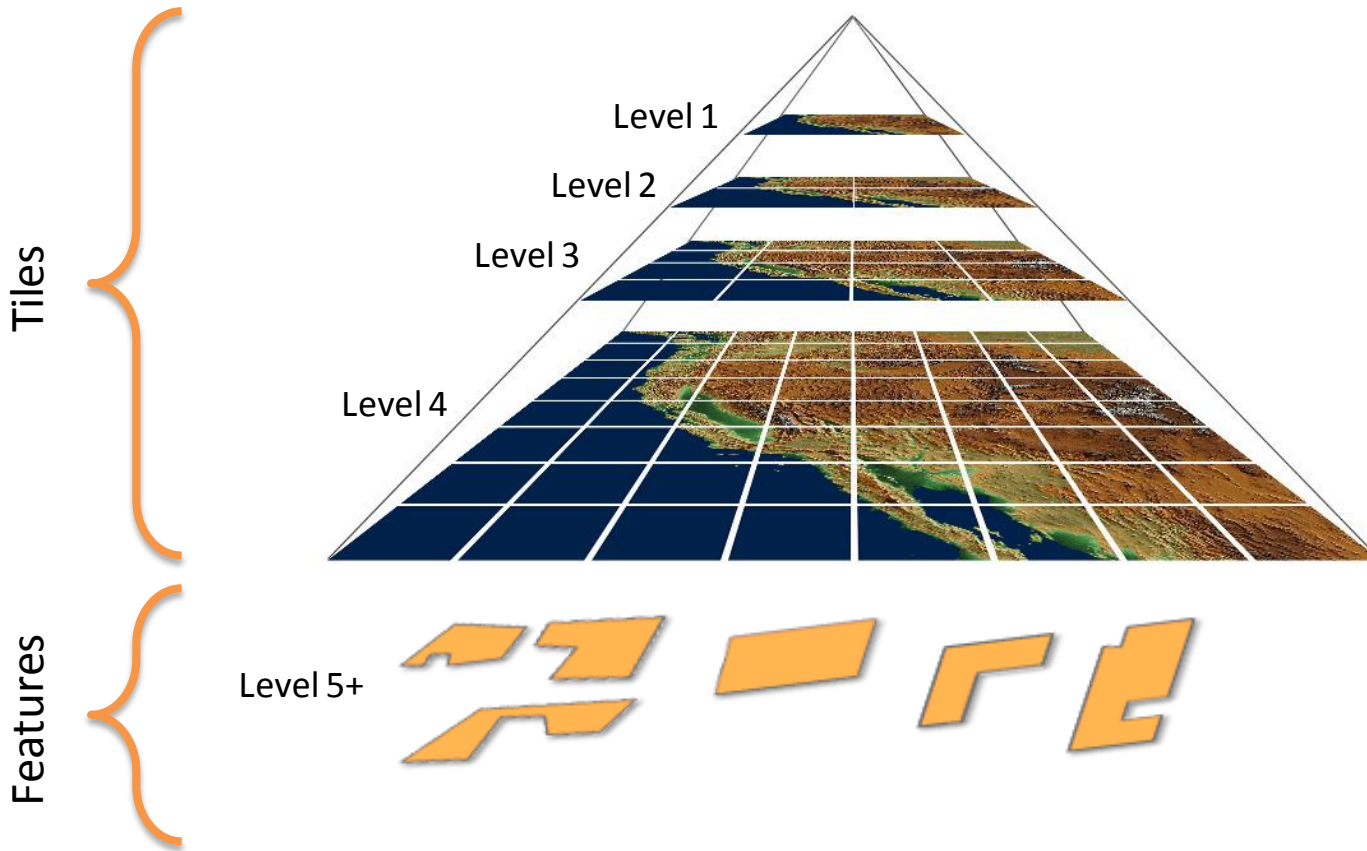
Because tiles have no attributes,
Search & Identify make use of the Feature service

Data Updates

- For any online portal to be effective, the data must be current

- Daily updates preferable
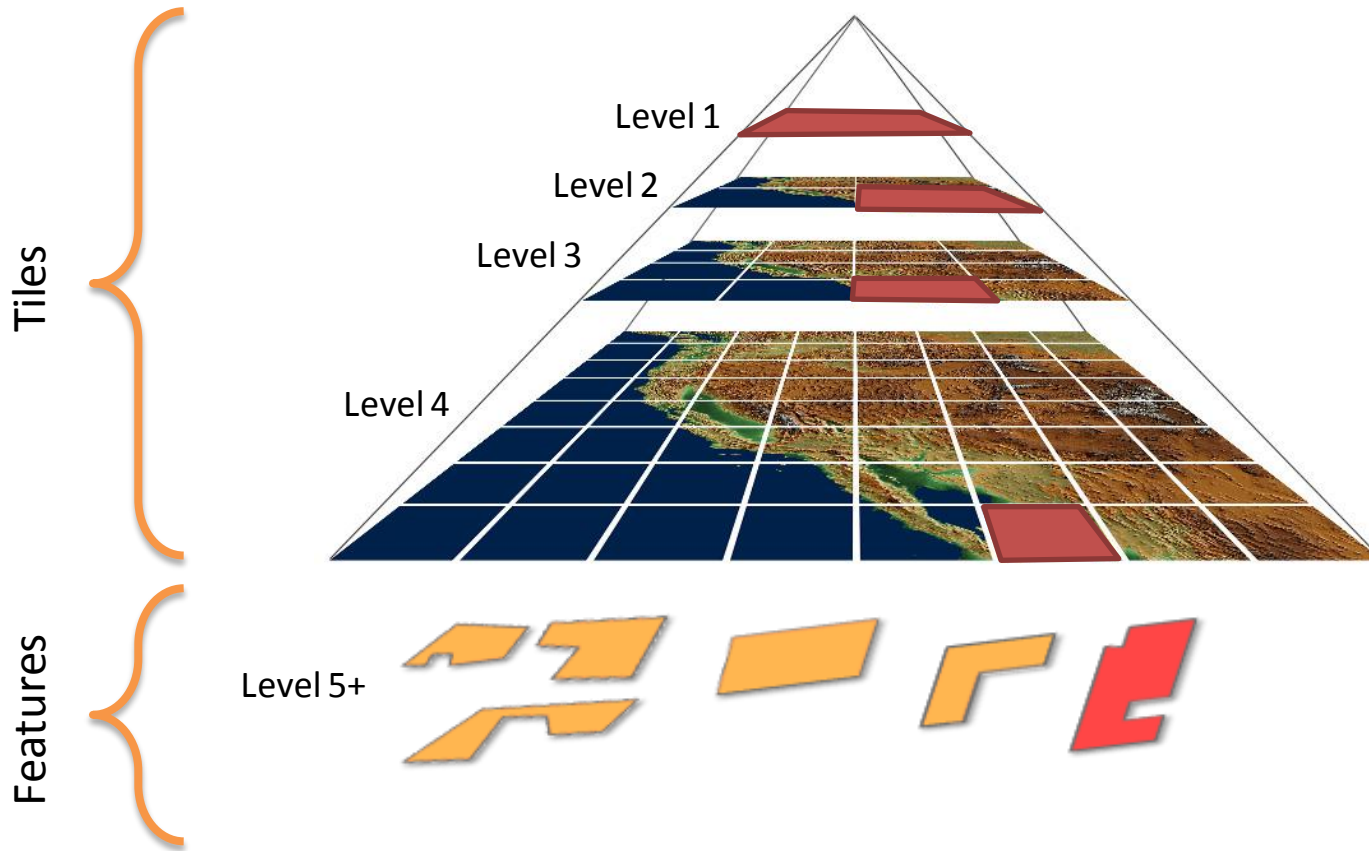
- Regenerating tiles has a time & cost implication

ArcGIS Online for Map Portals

Tiles

Level 1
Level 2
Level 3
Level 4

Features

Level 5+

Hybrid approach:
Deliver different data types at different scales

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Data Updates

Tiles

Level 1
Level 2
Level 3
Level 4

Features

Level 5+

If only one feature changes, not all tiles need to be regenerated → Faster, cheaper

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Demo

- Corporate Map Portal
- Viewing Flexi spatial data in ArcGIS Explorer and ArcMap

Available Online

http://www.SpatialDimension.com/Map-Portals

- Kenya
- Papua New Guinea
- Namibia
- Mozambique
- DRC
- Rwanda
- Tanzania
- Uganda (Silverlight)
- Zambia (Silverlight)

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Thank You

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