An Ode to Upgrading

how we spent our winter
Formalities

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  - GIS Manager

- John Kidd
  - GIS Analyst

Crook County, Oregon
Previous Technology

- SDE 10.3.1
- ArcGIS Server 10.3.1
- ArcMap 10.3.1
- ArcPro (dabble)
- AGOL (County)
- AGOL (State)
Reasons for Change

- Server 10.3.1 End of Life 2020
- Leverage New Technology
- Drank the ESRI Kool aid
  - planning for the future
God have mercy!!!!
The Gotchas

- Chef
- Ports Ports Ports
- ArcGIS Online Assistant
- Adding Cache Locally
- Imagery
Pathway to Imagery
**Imagery Cheat Code**

1. Original Files
2. Tile Cache
3. Create Empty Image Service
4. Copy Tiles
5. Recache Tiles

*registered folder on ArcGIS Server machine*
Advantages
- cleaner image
- faster pan

Disadvantages
- setup process
- redundant data
Load Testing

- Locust.io
- Found High Water Mark
- Tested at 40x
Results – old environment

**Total Requests per Second**

**Response Times (ms)**
Results – new environment

Total Requests per Second

Response Times (ms)
Survey Research Tool

Old Survey tool

New Survey tool
Survey Research Tool

Select search type

Search options:

Select the search method you want to use to locate the survey information and press "Submit".

1) Survey Number  
2) Township - Range  
3) Work Order  
4) Partition Plat  
5) Subdivision  
6) Prepared For ...

Enter search term

C.S. Search:

Returns detailed information for surveys after you enter the County Survey Number.

The CS Number is a whole number starting at 1. e.g. 1001
Survey Research Tool

Accept disclaimer

Enter search term
Survey Research Tool

Results with map
## Survey Research Tool

### Results with no map

<table>
<thead>
<tr>
<th>Survey #</th>
<th>TRS</th>
<th>Year</th>
<th>Partition Plat</th>
<th>Prepared For</th>
<th>Prepared By</th>
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<th>Type</th>
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Survey Research Tool

New version

Search multiple terms

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