



Advanced Web Mapping

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**GIS
INSPIRING
WHAT'S
NEXT**

If a picture is worth a thousand words...



...How do you ensure they are the right words? 😊

Agenda

- Enhanced data management via **hosted views**
 - Advanced visualization with custom **Arcade expressions**
 - Established branding and design with **vector tile editors**
- 
- An abstract graphic in the bottom right corner of the slide. It features a series of overlapping, semi-transparent blue and green rectangular planes and lines, creating a sense of depth and movement. The lines are thin and sharp, while the planes are thicker and have a slight gradient. The overall effect is a modern, tech-oriented design element.

Hosted Feature Layer Views

Blend and view information in different ways without affecting source data

- Create multiple unique windows into your data, customized to fit specific audience need(s) and **provide a tailored experience**.
- Adjust **sharing permissions, symbology, filtering, and editing behavior** across different views of the data.
- Combine static and fluid data and **dynamically view changes in related data**.

This could alleviate the need to...

Make multiple
copies of data

Merge data together
in ArcGIS Desktop

Regularly overwrite
data to publish updates

Hosted Feature Layer Views example

Supporting internal and public views of coyote sightings data

Public



- Add new
- View reviewed

Internal
(field)

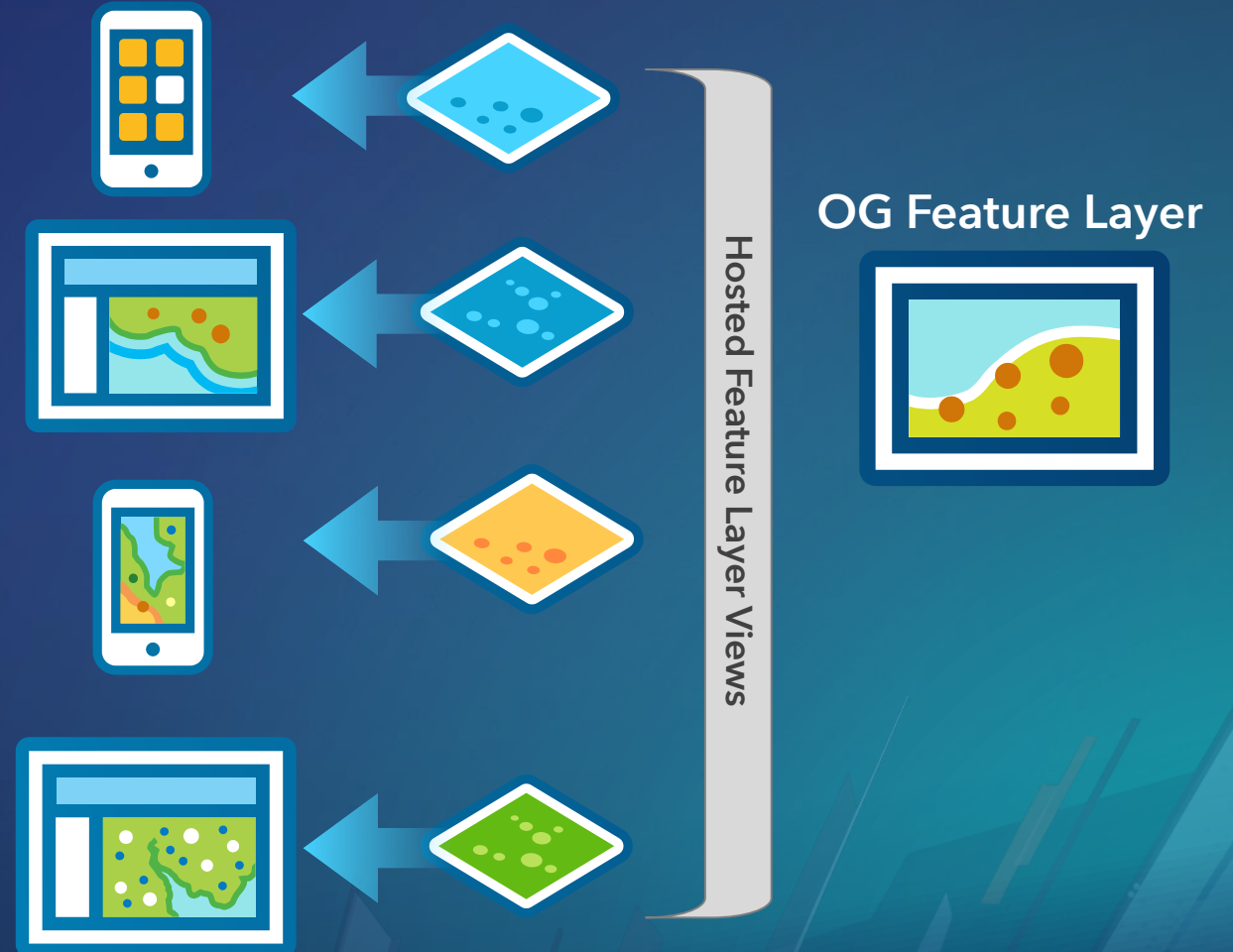


- Add new
- View all

Internal
(reviewer)



- Update/delete
- View pending



Hosted Feature Layer Views

Resources

Documentation

- [Creating hosted feature layer views](#)

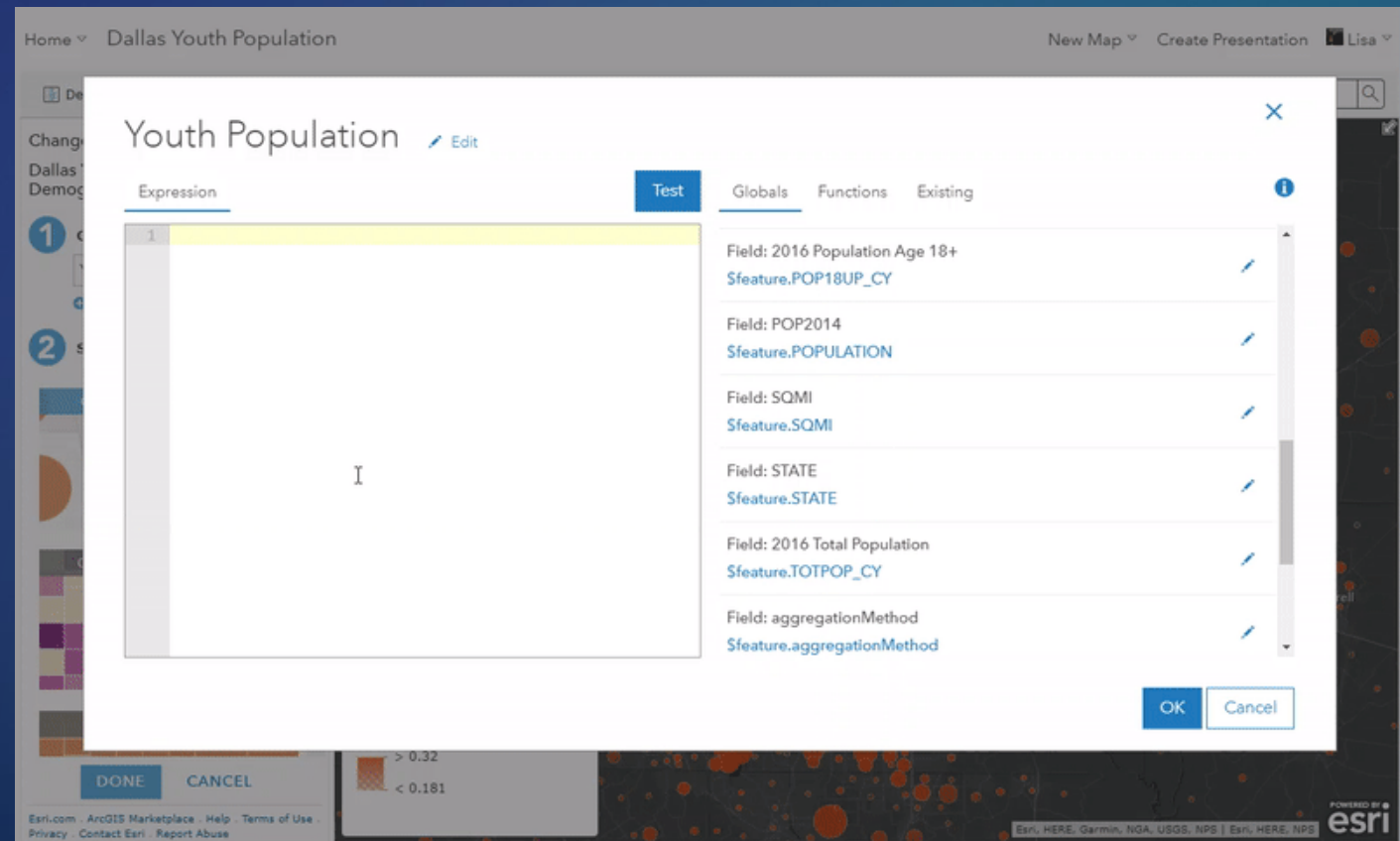
Blogs

- [Getting Started with Feature Layer Views](#)
- [Bring your data closer together: Save analysis results from Join Features as Hosted Layer Views](#)
- [Visualizing related data with Join Features in ArcGIS Online](#)

Arcade

Portable expression language for use across the ArcGIS Platform

- **"Portable"**: Scripts authored in ArcGIS Pro can be read and executed in a WebMap or mobile app.
- **Scripting to control:**
 - Feature rendering/symbology
 - Labels
 - Popups
 - Calculated fields (*new!*)
- **Secure**: No executable code in syntax



Arcade

Resources

Documentation

- <https://developers.arcgis.com/arcade/>
 - [Function Reference](#)

Story Maps/Blogs

- [Introducing Arcade](#)
- [Try an Arcade Expression](#)
- [How to Smart Map: Arcade](#)
- [Using Arcade Expressions in Web Maps](#)

DateAdd

DateAdd(date, addValue, units) -> returns: `Date`

Adds a specified amount of time in the given units to a date and returns a new date.

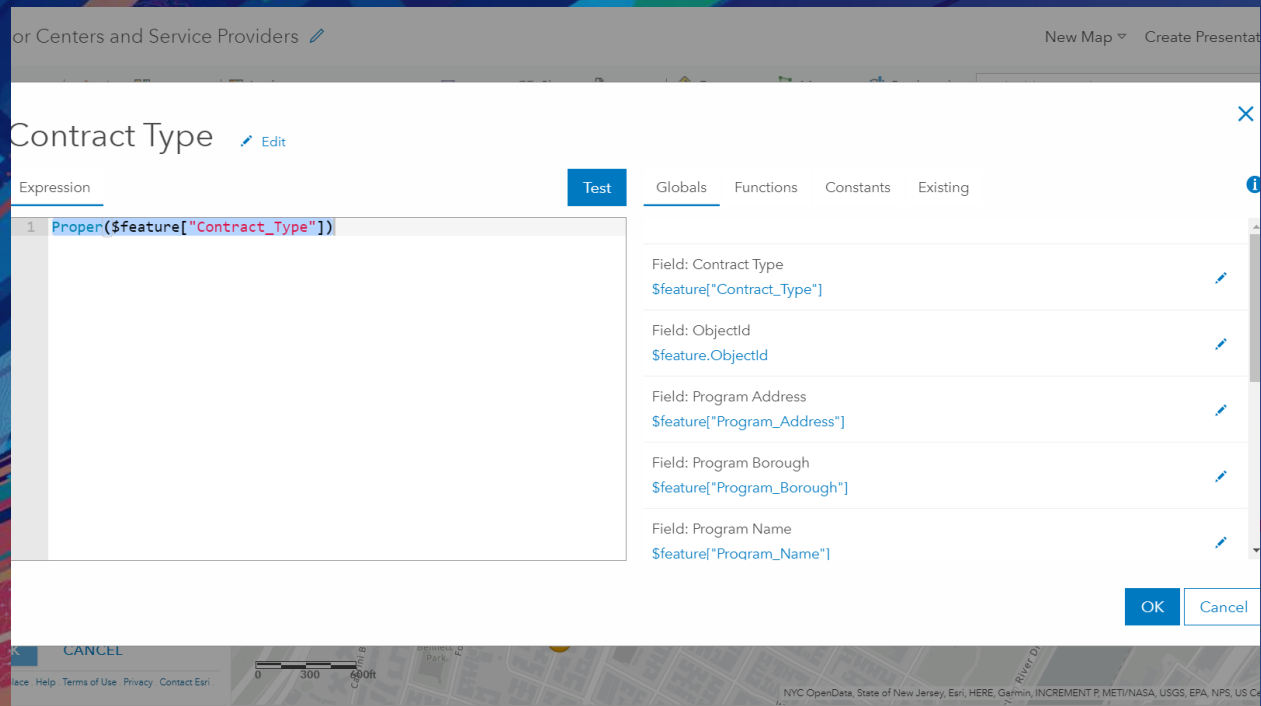
Name	Type	Description
date	Date	The input date to which to add time.
addValue	Number	The value to add to the date in the given units.
units	String	The units of the number to add to the date. The supported unit types include <code>milliseconds</code> , <code>seconds</code> , <code>minutes</code> , <code>hours</code> , <code>days</code> , <code>months</code> , <code>years</code>

Returns: `Date`

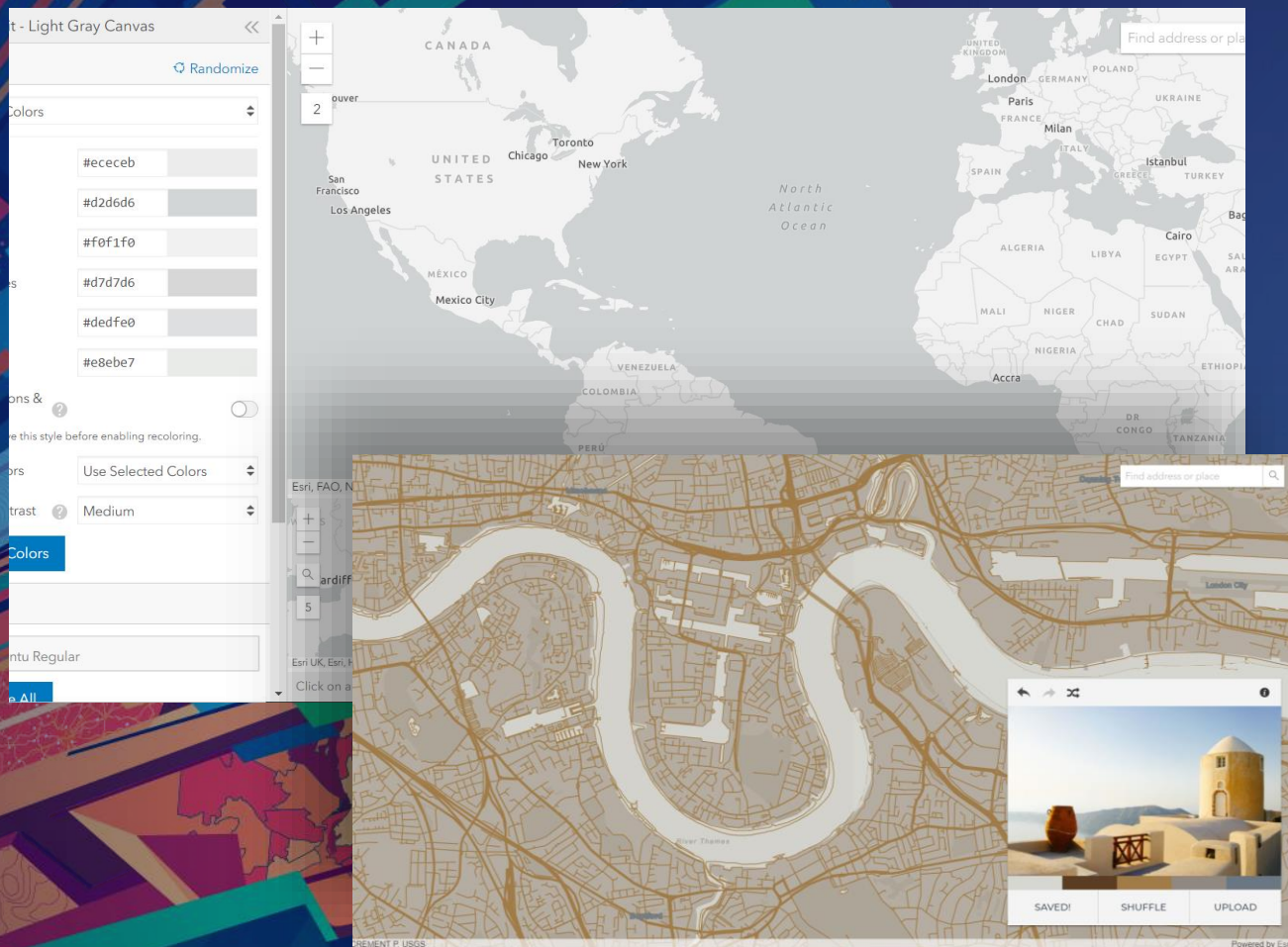
Example

Adds 7 days to the date in the provided field

```
var startDate = Date($feature.dateField);
var oneWeekLater = DateAdd(startDate, 7, 'days');
return oneWeekLater;
```



Demo: Arcade



Demo: Vector Tile Style Editor & mapstyler



esri

THE
SCIENCE
OF
WHERE