

# Deployment LAR-IAC User Group 2021

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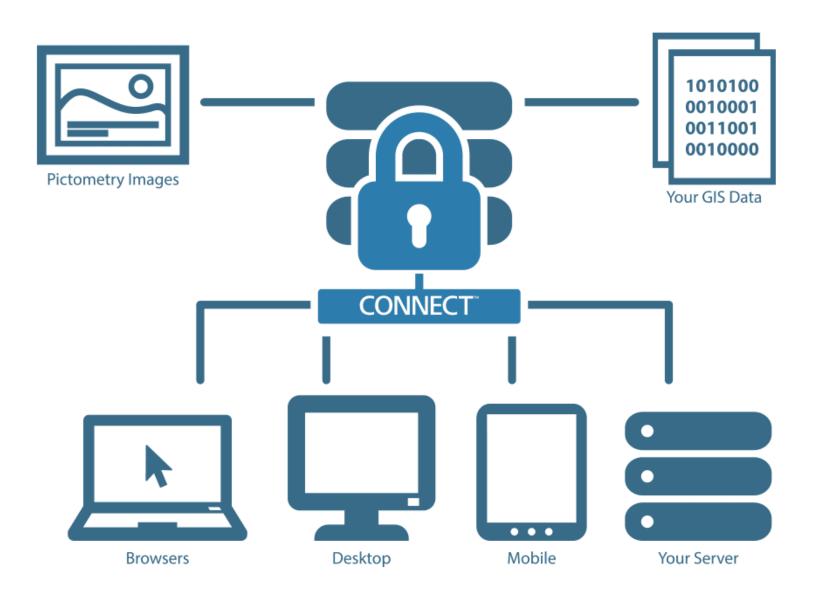
602.228.8232

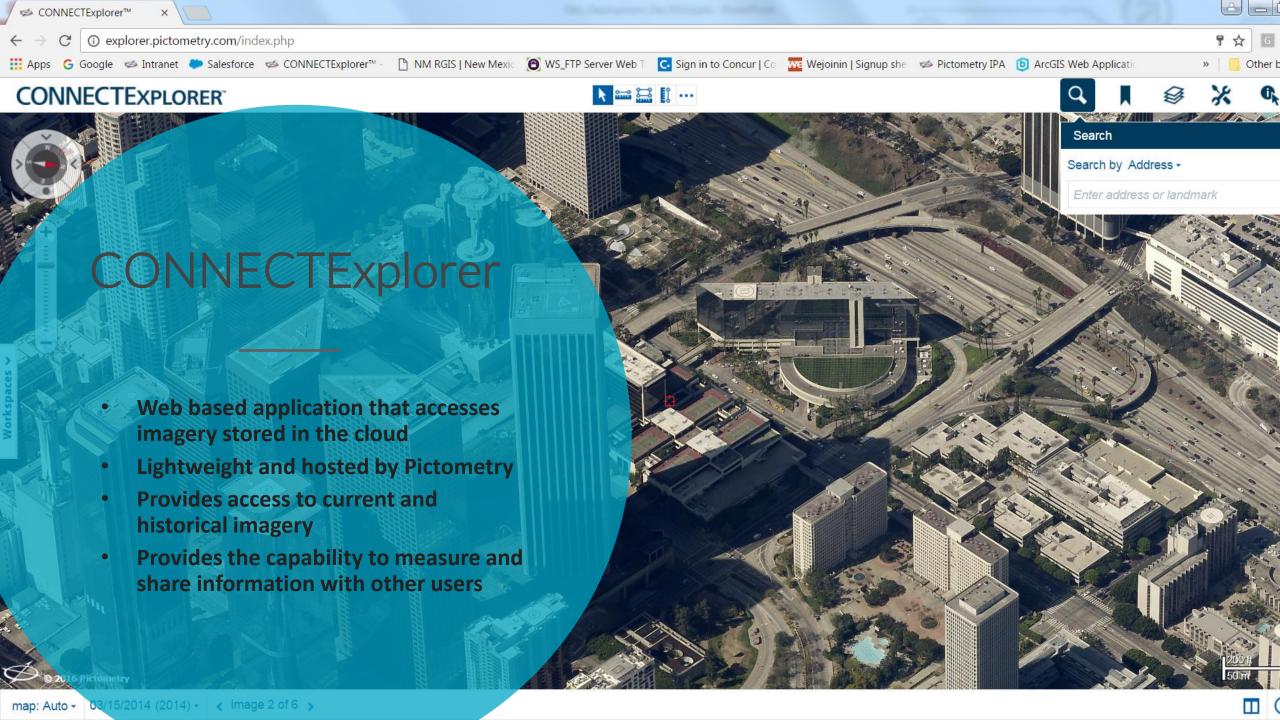
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# Agenda

- Deployment Options
  - CONNECTExplorer
  - CONNECTMobile
  - ArcGIS Desktop/Pro Plugin
  - Web Based API (Integrated Pictometry Application – API)
  - REST Services
  - Image Service
- Questions

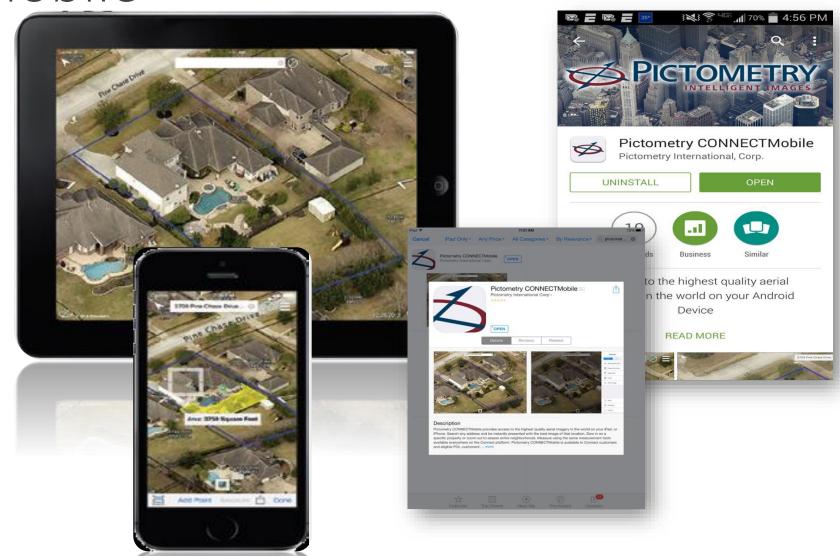
# CONNECT Platform

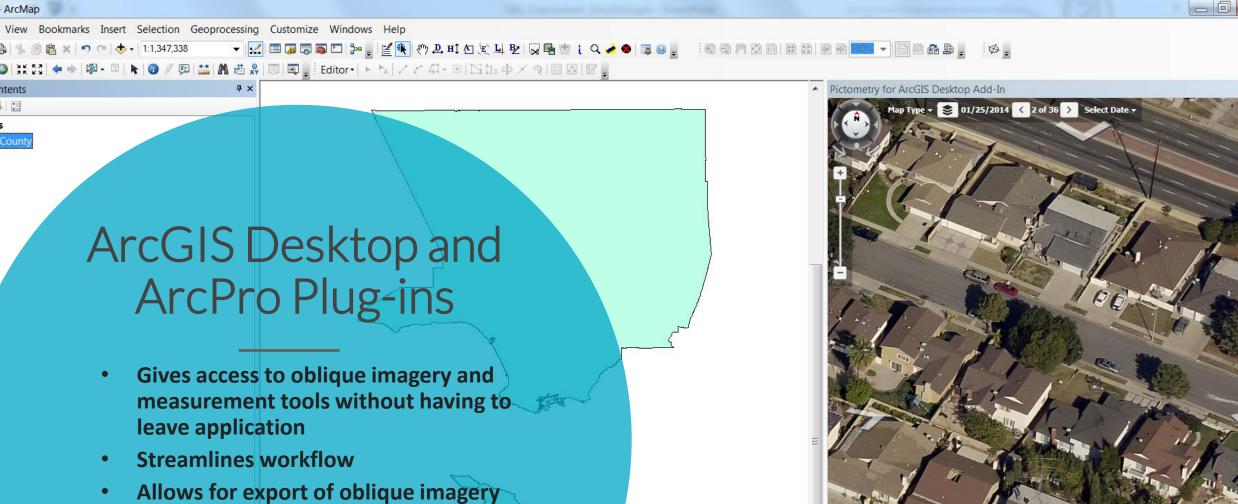




# CONNECTMobile

- Lightweight mobile version of CONNECTExplorer available on iOS or Android devices
- Geolocates using GPS enabled device
- Logins count towards the 1500 co-current user limit (unlimited named users)
- Available to ALL LARIAC users





into ArcGIS Desktop for reference and reports



# Non-CONNECT Explorer Image Views in Past Year

5,945,237



# Who is using these integrations?

LAR-IAC Member
City of Beverly Hills
City of Burbank
City of Cerritos
City of Culver City
City of El Segundo
City of Long Beach
City of Manhattan Beach
City of Palos Verdes Estates
City of Pasadena
City of Rancho Palos Verdes
City of Santa Monica
City of Torrance
City of Whittier
CSULB
LA City Bureau of Engineering
LA City Bureau of Sanitation
LA City Fire Department
LA County Assessor
LA County Parks and Recreation
LA County Public
LA County Public Works
LA County Regional Planning
LA County Sanitation Districts
LAR-IAC MASTER (LARIAC)
LAR-IAC MASTER - Public ( LARIAC )
Port of Long Beach

- 26 membersetups
- 100's of access points

# Web Based API (aka IPA)

Web integration with EagleView hosted obliques and orthos

Uses JavaScript and iframes

Can be internal or face the public (available to ALL LARIAC users)



# Who is using the web-based API?

LAR-IAC Member	Active Applications
City of Beverly Hills	1
City of Burbank	3
City of Hermosa Beach	1
City of Long Beach	5
City of Manhattan Beach	1
City of Pasadena	1
City of Rancho Palos Verdes	1
City of Santa Clarita	1
City of Santa Clarita	1
City of Santa Monica	1
City Of Santa Monica	1
City of West Hollywood	1
LA City Building & Safety	8
LA City Planning	3
LA City Port of Los Angeles	3
LA City World Airports	2
LA County Assessor	5
LA County General	13
LA County Parks and Recreation	1
LA County Probation	1
LA County Public Works	1
LA County Public Works	4
LA County Regional Planning	2
LA County Registrar/Recorder County Clerk	1
Port of Long Beach	3
Total Number of Applications	<u>65</u>





IPA Guides

Quick Start GuideRelease NotesExamples - .NET

Examples - PHP



API

**Quick Start** 

#### About this guide

This Quick Start Guide describes what you need to do to start using the Integrated Pictometry Application (IPA) API so your users can use Pictometry imagery and tools within your own web applications as quickly as possible. This guide is intended for Software Developers who are already familiar with server-side and client-side web development and specifically JavaScript, HTML, and server-side implementation languages. It assumes that you are familiar with at least one of these programming languages: PHP, Java, C#, VB.NET, Python, Perl, or Ruby. If you find errors in this guide, or if you have comments about it, we'd like to know. Please email us at documentation@pictometry.com.

#### **Related documentation**

- You should have received the key pair file, which contains the keys and urls for the IPA. You will need these to build your application.
- You may also wish to browse the API Guide for a complete list of JavaScript functions and events you can use to customize your application.

#### Contents

1. About this guide

Search

- 2. Service Levels
- 3. Overview
- 4. Embedding the IPA
- 5. Communicating with the IPA
- 6. Customer-Hosted WFS
- 7. Best Practices
- 8. Troubleshooting
- 9. Further Reading

#### **Service Levels**

The IPA is a highly-configurable web application with features that range from a basic visualization product to an advanced product with analytic capabilities. The configuration model also applies to the level of programmatic control the developer has over the IPA. You will notice that throughout the API Guide there are badges which indicate the methods, events, properties and parameters/return values that are restricted based on your account configuration. Please contact your Pictometry Sales Representative to discuss the various service levels that are available.

#### Overview

The IPA is a web component that can be integrated with your web application by using JavaScript and iframes. The IPA is loaded as part of your web page and makes calls to Pictometry via the IPA JavaScript Library. The steps for integrating the IPA on your web page are covered in this document.

Quick Start Guide

Examples - .NET

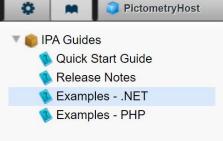
Release Notes



Contents

1. Download

2. ASP Code 3. C# Code



**Pictometry IPA Documentation** 



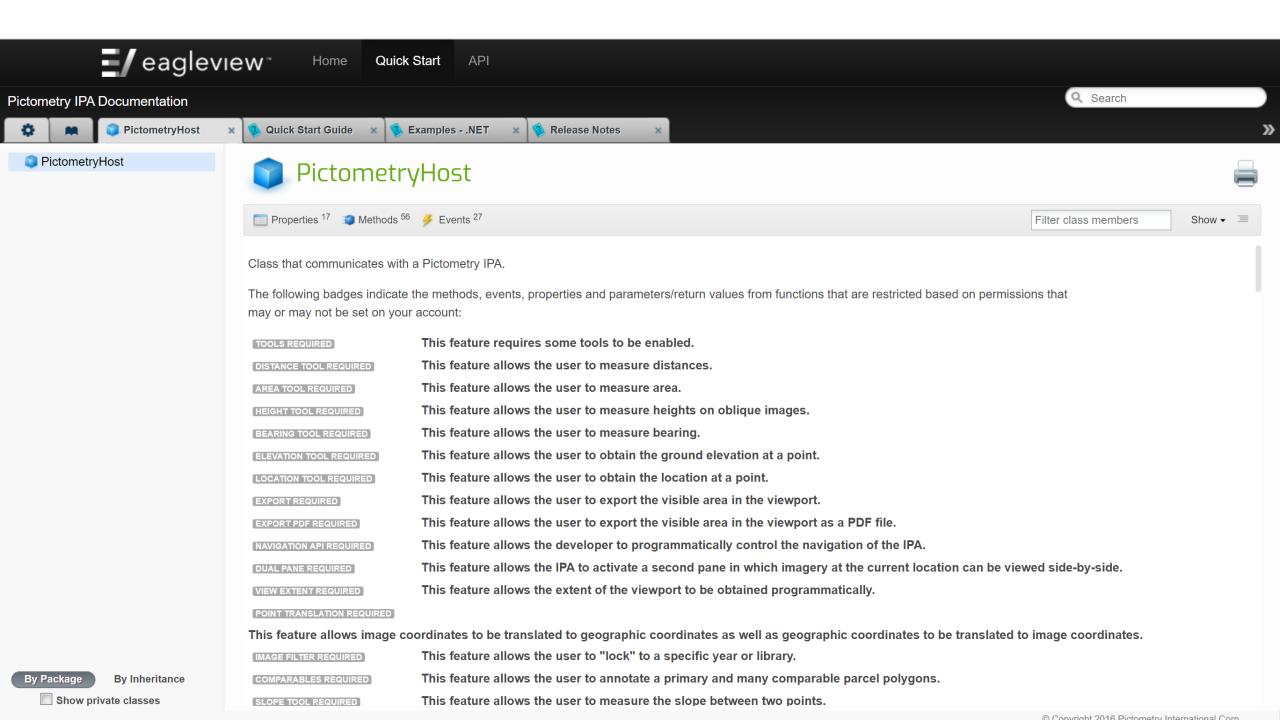
#### **Download**

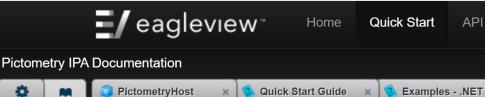
Download ZIP containing example files

#### **ASP Code**

```
<%@ Page Language="C#" CodeFile="example.aspx.cs" Inherits="Example.Ipa" %>
<!DOCTYPE HTML>
<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
   <title>IPA Example - ASP.NET - Advanced</title>
   <!-- include the IPA JS Library from pictometry -->
    <script type="text/javascript" src="<% Response.Write(this.ipaJsLibUrl()); %>"></script>
    <style>
        #content {
            margin-left: auto;
            margin-right: auto;
            border-style: solid;
            width: 95%;
            height: 4.5em;
            text-align: center;
        #pictometry {
            margin-left: auto;
```

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🔻 📦 IPA Guides

Quick Start Guide 🕵 Release Notes Examples - .NET

Examples - PHP

#### Release Notes

1. Welcome to IPA Version 1 Release 9

2. Welcome to IPA Version 1 Release 8 3. Welcome to IPA Version 1 Release 7

4. Welcome to IPA Version 1 Release 6

**Contents** 

#### Welcome to IPA Version 1 Release 9

This version provides a number of new features and bug fixes. Here are some of the highlights:

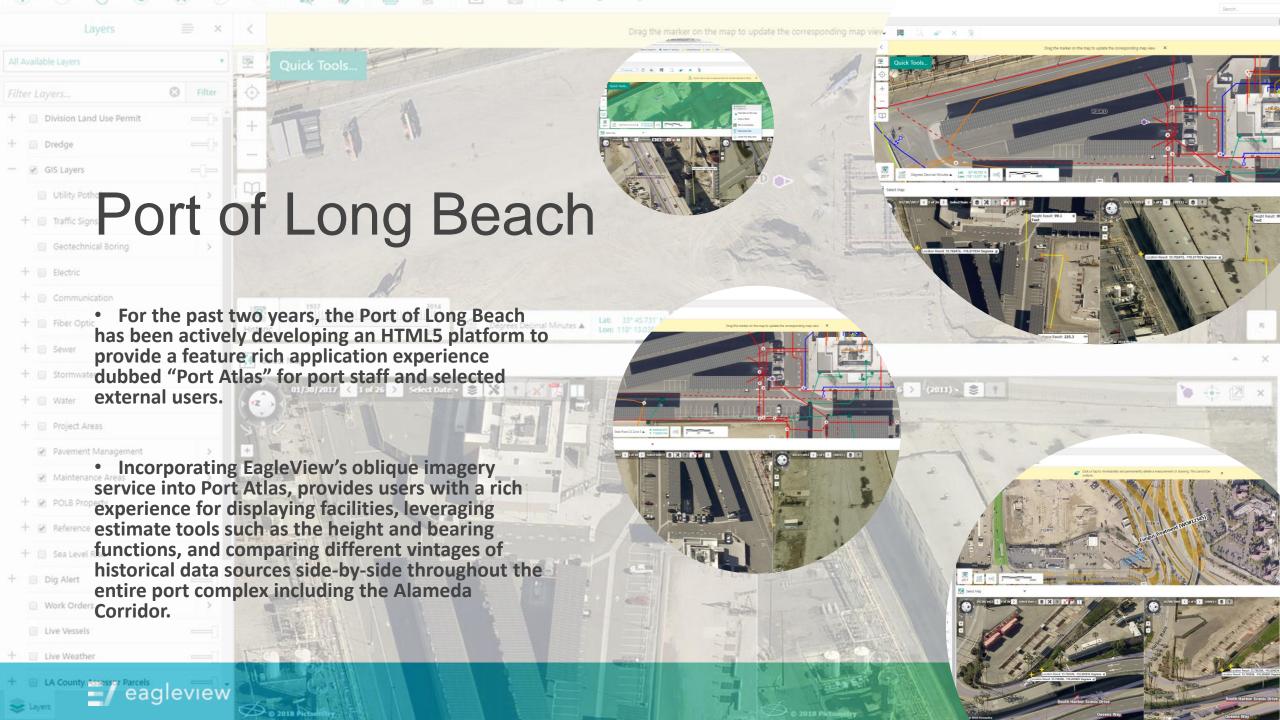
API

- Features
  - Added new preferences to control search annotations display. See setPreferences for details. The new preferences are:

Release Notes

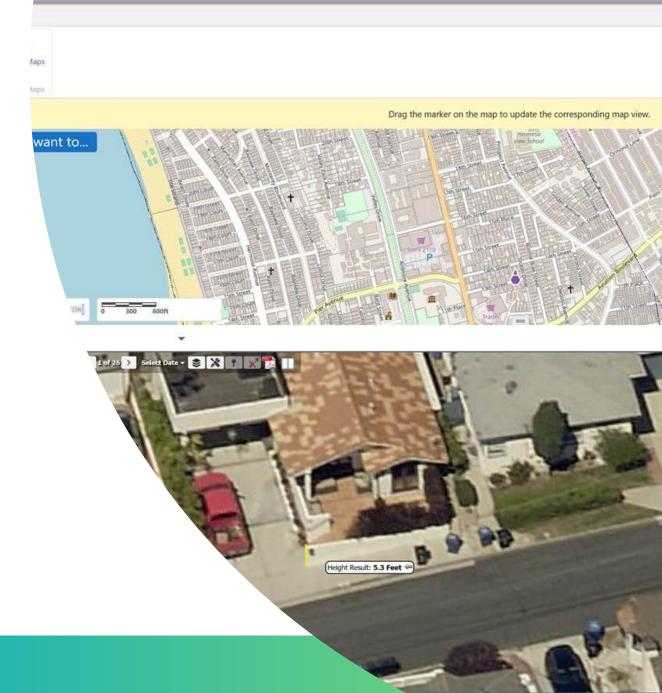
- showSearchAnnotations
- showMapLabel
- Added new preferences to control default map orientation and map angle. See setPreferences for details. The new preferences are:
  - defaultMapOrientation
  - resetOnFarSearch
- Search functions now offer an optional callback function. See setLocation, searchByBbox, or searchByString for details.
- Bug Fixes
  - Using the dashboard "unpin all measurements" button incorrectly removed shapes that had been added using the addShapes method.
  - The geofenceexceeded event was not being emitted when the exceeded condition was met.
  - · Address searches with multiple results would display the wrong label.
  - · Modifying a pinned measurement didn't emit the proper tool event for the updated measurement.
  - · Clicking outside a modified measurement was not properly saving the new measurement or disabling the modify.
  - Keys that do not have any measurement tool permissions will no longer show the "unpin all measurements" button in the dashboard.

#### Welcome to IPA Version 1 Release 8



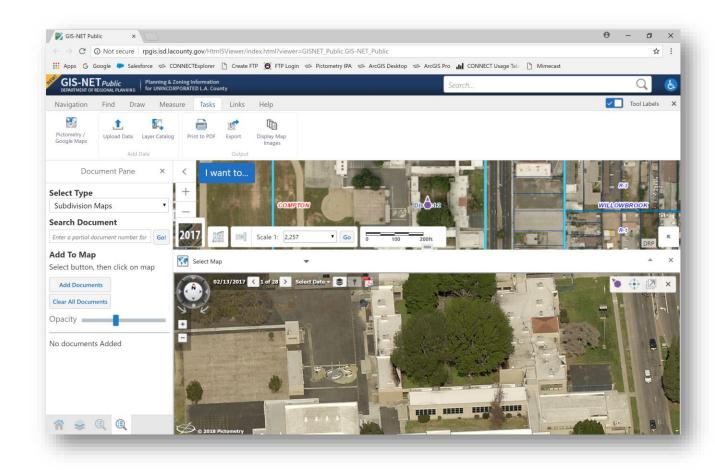
# Hermosa beach

 Planners and inspectors routinely check the Geocortex viewer to get a general idea of what the issue is. In this example the wall that is measured is under review and the inspector took a quick measurement before going over to the site. They routinely check heights of buildings, trees and poles to avoid trips to the field.



## La County Planning

 The primary use is for the public to know their zoning, in addition to wealth of information, GIS layers and links to other pieces of data regarding their parcel at their fingertips.

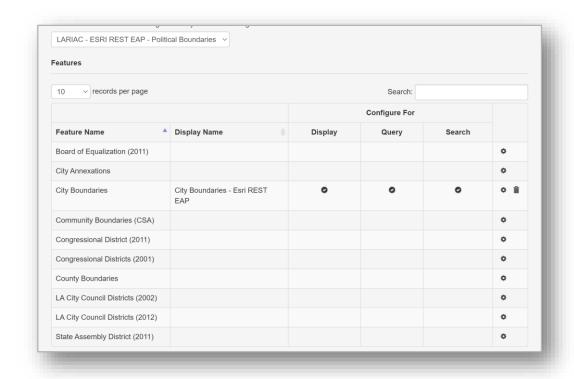


## REST Services in CONNECT

- 1. Your layers must support simpleRenderer, which is where only one symbol can be used per layer. Symbology based on unique values are <u>not</u> supported as of today. It is something we are aware of and plan to make available in the future.
  - a. If you're not familiar with simpleRenderer, you can check out this

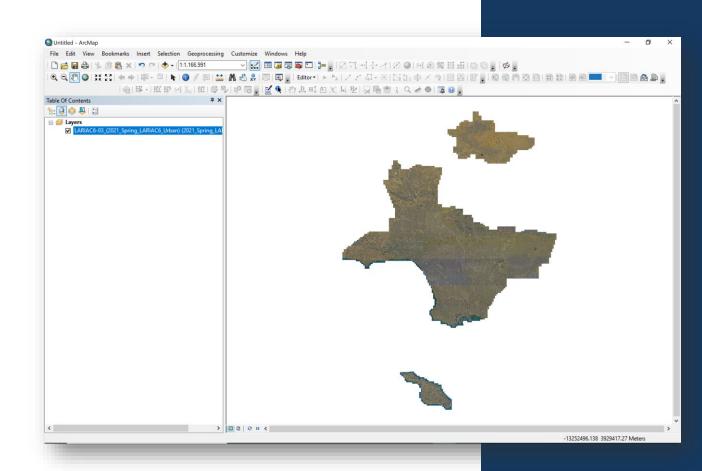
link: <a href="https://developers.arcgis.com/javascript/latest/api-reference/esri-renderers-SimpleRenderer.html">https://developers.arcgis.com/javascript/latest/api-reference/esri-renderers-SimpleRenderer.html</a>

- Layers need to have the "query" capability on in ArcGIS Server Manager.
- 3. The REST service must be publicly accessible.



# Image Service

- WMS, WMTS and TMS supported
- Hosted, stored and managed by EagleView
- Imagery back to FALL 2014





# Image Service – WMTS vs WMS

### WMTS (Recommended)

- Cached at specific levels on client side and prerendered on server side
- Delivers tiles at each request
- Loads quicker and uses less bandwidth

#### WMS

- Cached at specific levels on client side
- Delivers individual images at each request
- Can take longer to load and uses more bandwidth

# mage Service Naming Conventions

Contents Preview Description	
Name	Туре
② CALOSA092_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA093_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA094_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA095_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA096_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA097_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA098_OM (2021 Pictometry Mosaic)	WMTS Layer
② CALOSA099_OM (2021 Pictometry Mosaic)	WMTS Layer
EARIAC4-01 (2014_Winter_LARIAC4_Countywide)	WMTS Layer
EARIAC5-01-OLD (2017_Winter_LARIAC5_Countywide)	WMTS Layer
EARIAC5-01 (2017_Winter_LARIAC5_Countywide)	WMTS Layer
LARIAC5-02-OLD (2018_Winter_LARIAC5_Woolsey_Fire)	WMTS Layer
LARIAC5-02 (2018_Winter_LARIAC5_Woolsey_Fire)	WMTS Layer
LARIAC5-03-OLD (2019_Spring_LARIAC5_Urban)	WMTS Layer
LARIAC5-03 (2019_Spring_LARIAC5_Urban)	WMTS Layer
LARIAC5-04 (2019_Fall_LARIAC5_Urban)	WMTS Layer
LARIAC5-05 (2019_Fall_LARIAC5_Fires)	WMTS Layer
LARIAC6-01-4in (2020_Winter_LARIAC6_4in_Preliminary)	WMTS Layer
LARIAC6-01 (2020_Winter_LARIAC6_Countywide)	WMTS Layer
LARIAC6-01_Old (2020_Winter_LARIAC6_Countywide)	WMTS Layer
	WMTS Layer
	WMTS Layer



# Questions?