

Introducing VertiGIS Studio

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VertiGIS™

Today's Agenda

- Name ch-ch-changes . . .
 - VertiGIS (North America)
 - VertiGIS Studio
- VertiGIS Studio Product Review
 - Why and when use VertiGIS Studio?
- Top 3 Recent Developments
- Demo



VertiGIS™

- Latitude Geographics now part of VertiGIS . . . a global GIS company
 - Ownership change in September 2017
 - Name change in May 2020
- VertiGIS North American HQ - located in Victoria, BC
 - 100 staff (part of 600 global staff)
- 1,500+ Geocortex/VertiGIS Studio customers worldwide
- Still focused on Esri web-GIS tools
 - Esri Platinum Partner



VertiGIS™

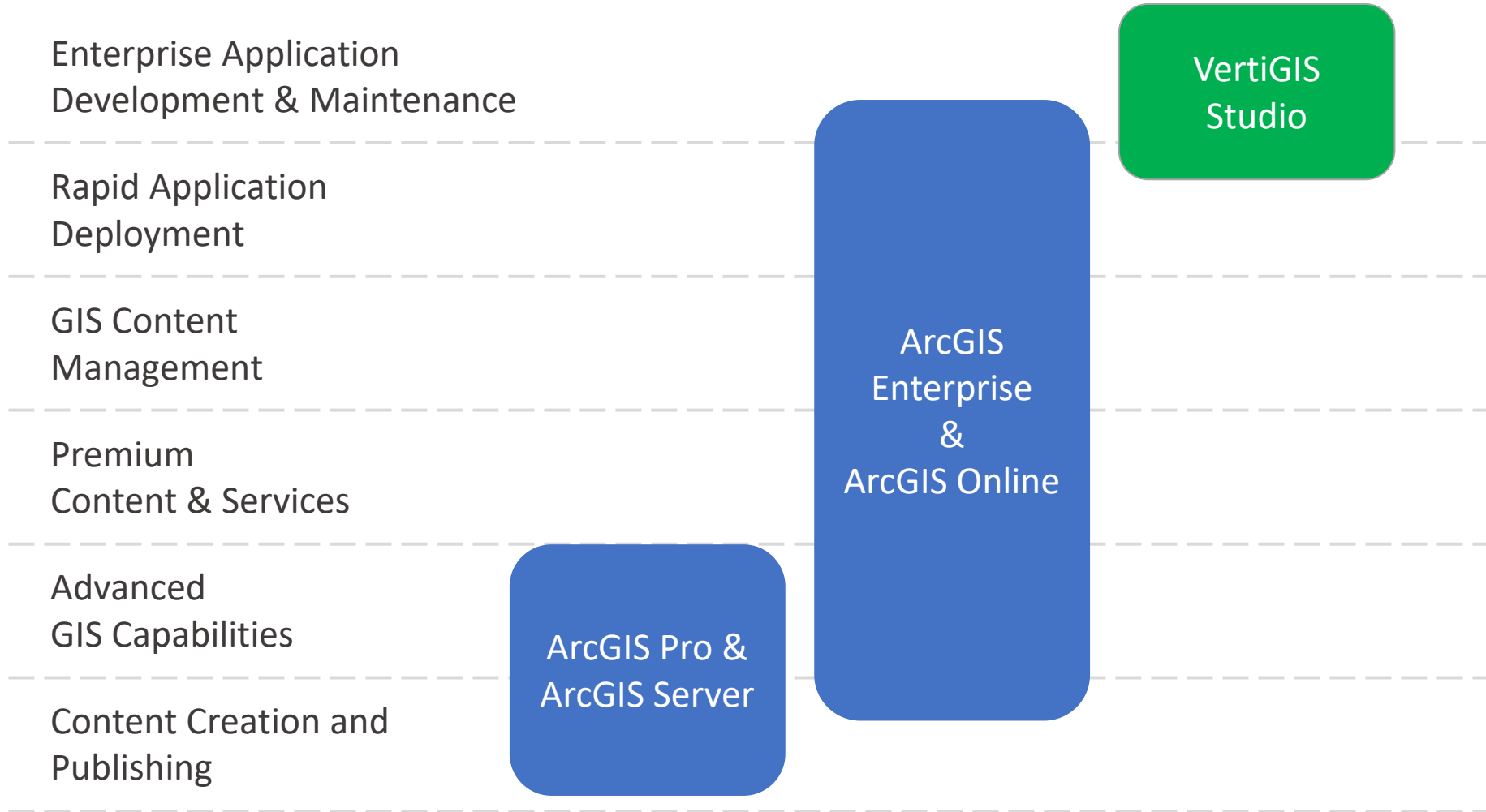
- What happened to Geocortex???
- Product name officially changed to '**VertiGIS Studio**' in January 2022
 - Just a name change . . .tools are unchanged

Geocortex®

VertiGIS Studio™



VertiGIS Studio Alongside the ArcGIS Platform



VertiGIS Studio Product Portfolio

Map Viewer Frameworks


Geocortex Essentials




VertiGIS Studio Web



VertiGIS Studio Mobile



VertiGIS Studio Workflow



VertiGIS Studio Reporting



VertiGIS Studio Printing




VertiGIS Studio Access Control



VertiGIS Studio Inline



VertiGIS Studio Analytics



Standalone Tools



On premises




SaaS

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SaaS

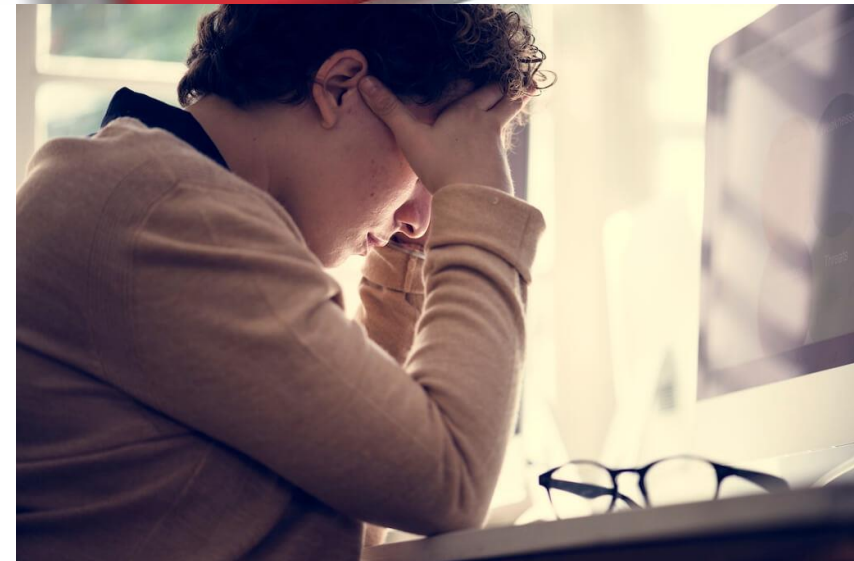
Why VertiGIS Studio?

- Despite all the features of ArcGIS, Esri clients find they still need more capability for customizing their apps
 - While there are APIs and SDKs available, there can be a substantial development effort
 - Development time reduced by using the VS low-code framework with many out-of-the-box tools
- VS lets client build custom layouts and functionality in applications that exactly meet specific requirements
 - e.g. PDF reports, layer search tools, 3rd-party data/application integration

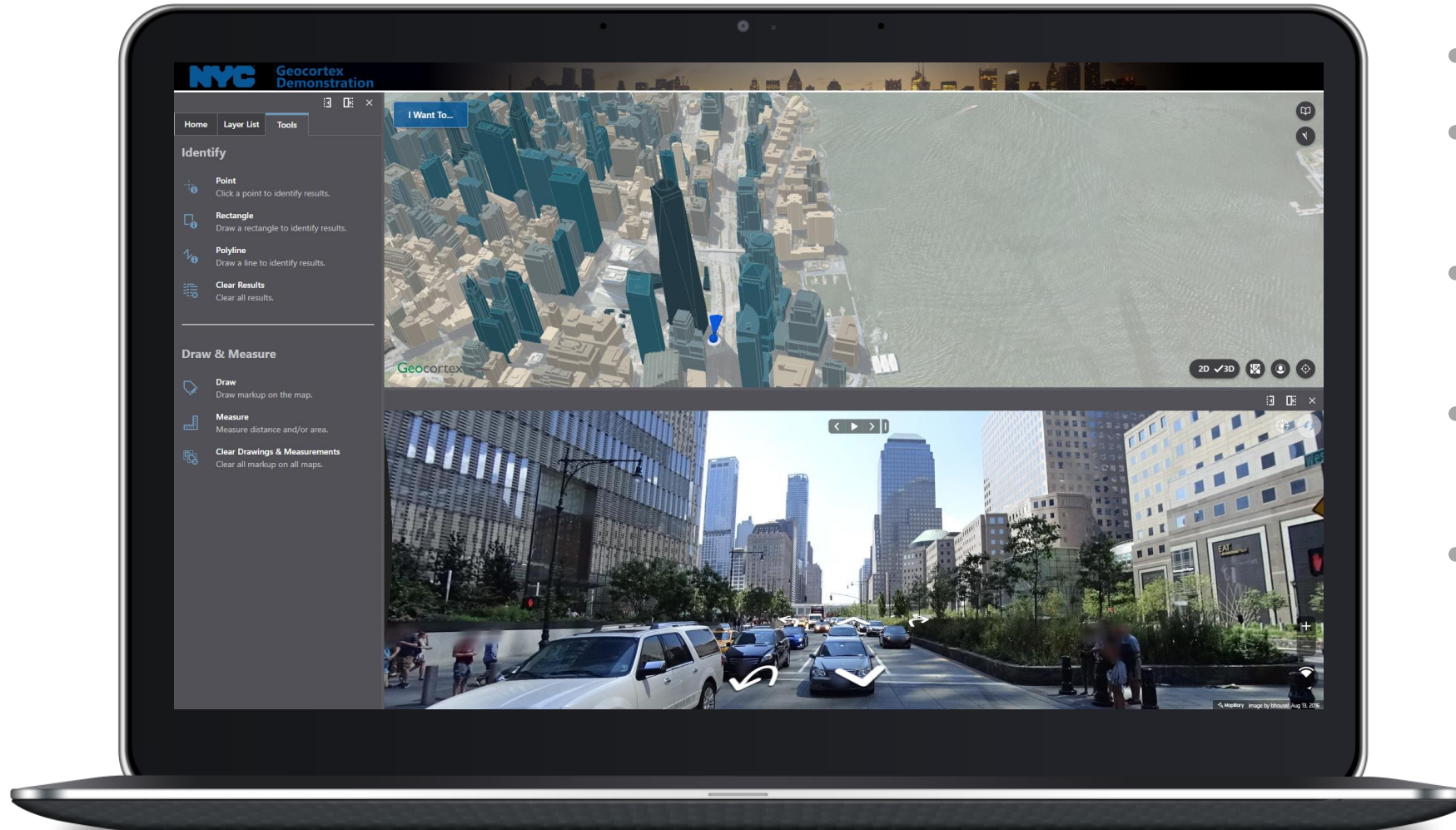
The screenshot displays a web application interface for a 'Parcel Profile Report'. At the top, it shows the report date (4/28/2022 3:46:32 PM) and the APN (4179-018-015) for the address 1000 THE STRAND # A MANHATTAN BCH CA 90266. The main content area is split into two panels: an aerial satellite view on the left and a street map on the right. The aerial view shows two adjacent lots, 4179-018-004 (1008) and 4179-018-015 (1000), with blue outlines indicating the boundaries. Below the maps, a form displays property details: Address (1000 THE STRAND # A), City (MANHATTAN BCH CA), Owner, Mailing Address, Mailing City, Lot Size Sq Ft (4979), Lot Size Acres (0.11), and Legal Description (MANHATTAN BEACH SE 16.67 FT MEASURED ON NE AND SW LINES OF LOT 5 AND ALL OF LOT 6 BLK 11). To the right of the map, a 'SAFE CLEAN WATER L.A.' overlay is active, titled 'Safe Clean Water Tax Lookup & Appeal'. It is in 'Step 2: Draw Impermeable Areas' and provides instructions: '1. Click or tap on the map to draw the outline of the area.', '2. Double-click or double-tap to finish', '3. To add more areas (if necessary), click + Add Impermeable area button', and '4. Click Next to continue'. Below the instructions, there are two input fields, both containing 'Impermeable Surface', and a '+ Add Impermeable Area' button. At the bottom right of the overlay are 'Back' and 'Next' buttons.

Why VertiGIS Studio? cont'd

- VS is always compatible with inevitable ArcGIS technology changes:
 - ArcIMS to ArcGIS Server
 - Flex to HTML5
 - Silverlight to HTML5
 - WebADF to REST
 - Esri Javascript 3.x to 4.x
 - Web AppBuilder to Experience Builder
 - ...*and more to come!*
- With over 1,500 clients we have the resources to stay on top of what Esri is changing . . .most clients do not!

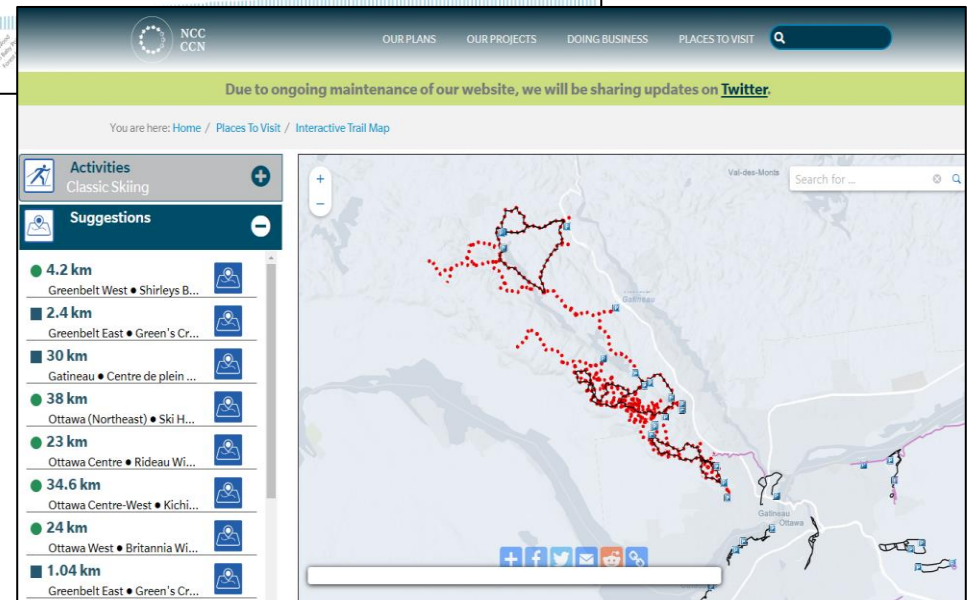
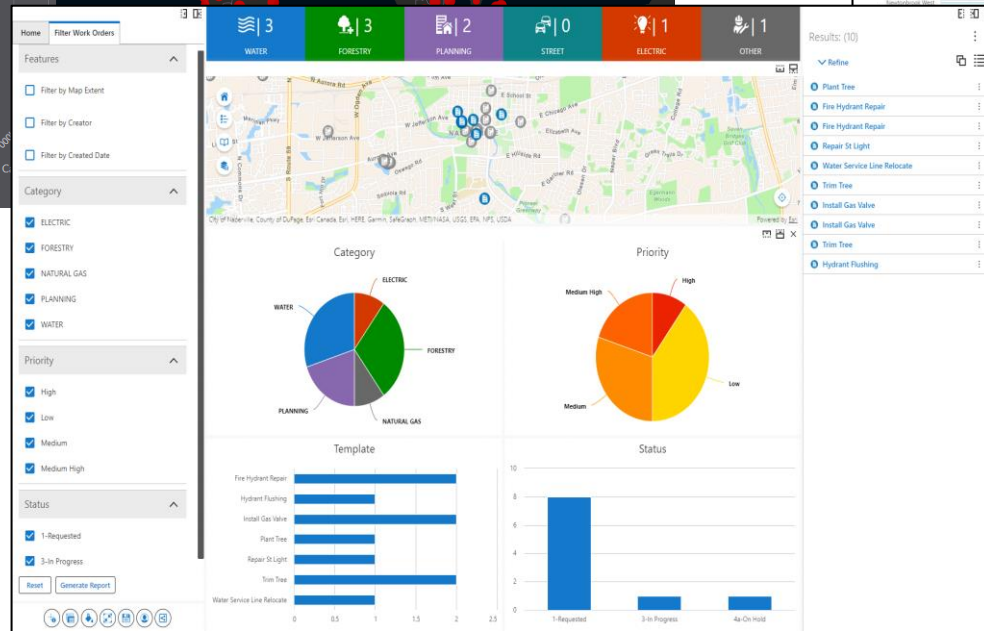
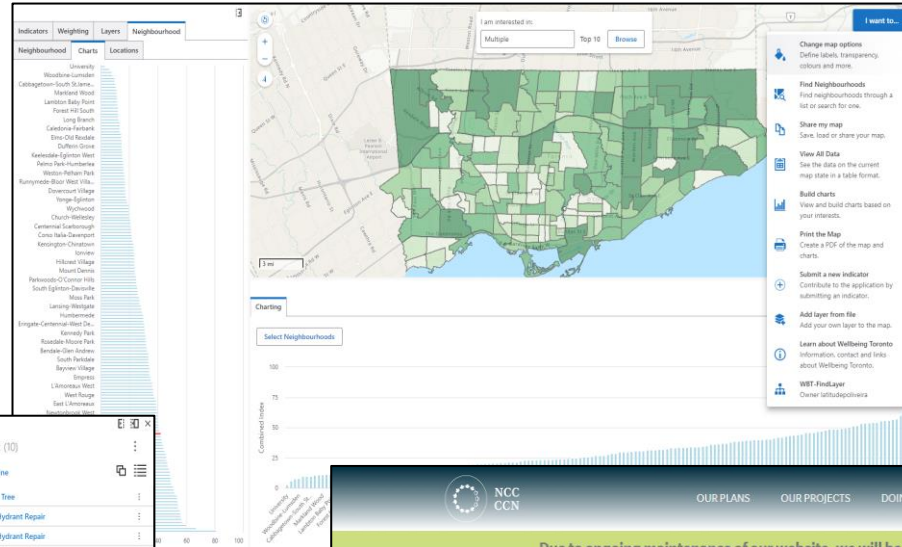
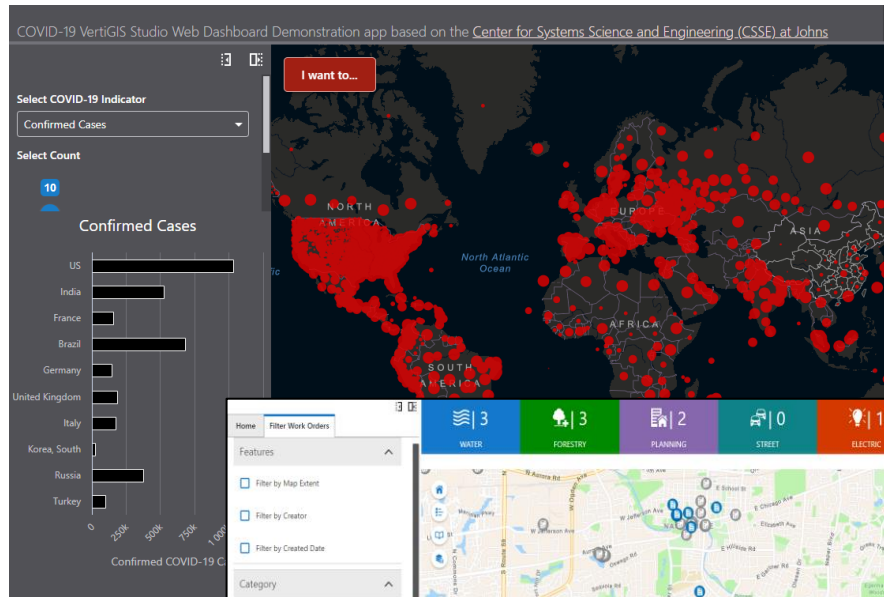


VertiGIS Studio Web



- Newest VS map viewer
- Configurable and customizable
- Desktop, tablet, smartphone support
- Dozens of pre-built tools and widgets
- Works with ArcGIS Enterprise and ArcGIS Online

VertiGIS Studio Web – Layout Examples



Top 3 Recent Developments

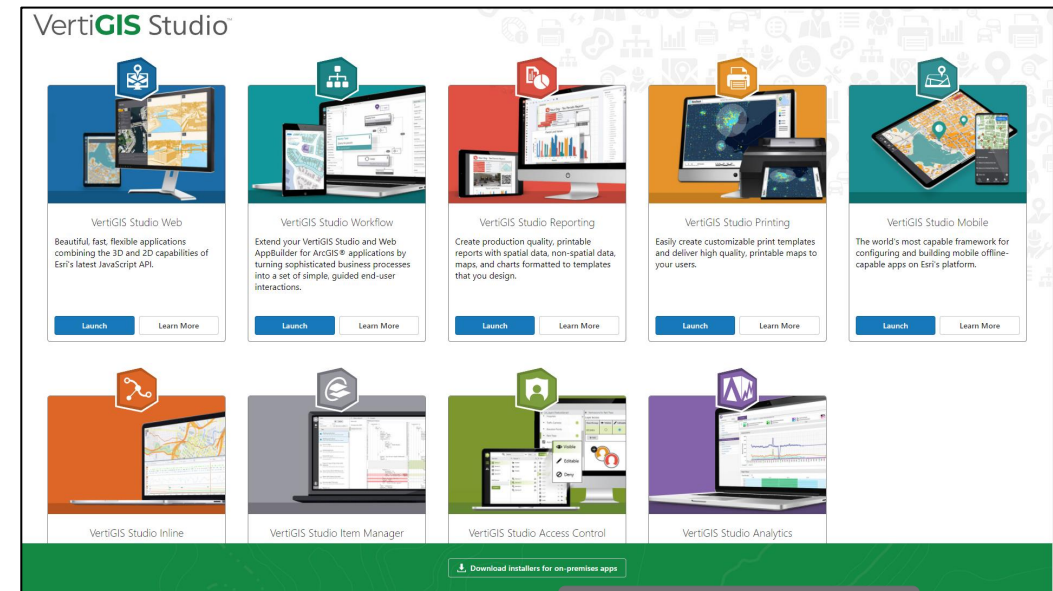
#1. VertiGIS Studio Web is replacing the Geocortex HTML5 Viewer

#2. Now Customize ArcGIS Enterprise & ArcGIS Online applications with VertiGIS Studio

- Web AppBuilder & Experience Builder

#3. VertiGIS Studio Licensing Changes

- New subscription and SaaS options available



#1 VertiGIS Studio Web Migration



Geocortex HTML5 Viewer

- Released: 2012
- Mature Support
- ArcGIS API for JavaScript 3.x
- Uses ArcGIS Server/Portal/AGOL
- 2D only
- Offered on-prem only
- Works with VS Reporting, Workflow, Printing (4.x; 5.x)














VertiGIS Studio Web

- Released: 2019
- Active Development (4+ releases/yr.)
- ArcGIS API for JavaScript 4.x
- Uses Portal/AGOL (Webmaps)
- 2D and 3D
- Offered in the cloud (SaaS) and on-prem
- Works with VS Reporting, Workflow, Printing (5.x)

Geocortex
Essentials



VertiGIS
Studio

Geocortex Essentials		VertiGIS Studio™	Gap Analysis
Workflow		VertiGIS Studio Workflow	Surpassed functional equivalence ✓
Printing		VertiGIS Studio Printing	Surpassed functional equivalence ✓
Reporting		VertiGIS Studio Reporting	Surpassed functional equivalence ✓
Data linking		VertiGIS Studio Web	Coming in 2022
Instant search		VertiGIS Studio Search	Coming in 2022
Saved Projects		VertiGIS Studio Web	Released (sharing coming) ✓
Security		VertiGIS Studio Access Control	Surpassed functional equivalence ✓
Collaboration		N/A	No planned replacement
Mobile App Framework		VertiGIS Studio Mobile	Surpassed functional equivalence ✓
Integrations/APIs		VertiGIS Studio Developer Center	Surpassed functional equivalence ✓
Essentials Manager		VertiGIS Studio Web Designer	Superior design experience ✓
HTML5-Viewer		VertiGIS Studio Web	60% functional equivalence
Charts / Dashboard		VertiGIS Studio Web	Surpassed functional equivalence ✓
Accessibility		VertiGIS Studio Web	Surpassed functional equivalence ✓

Geocortex Essentials

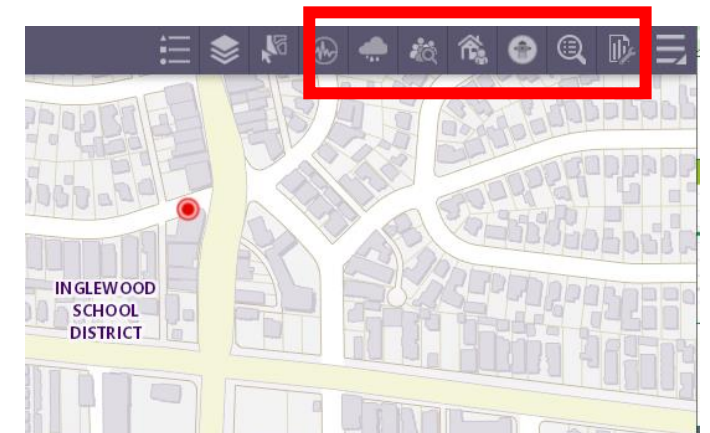
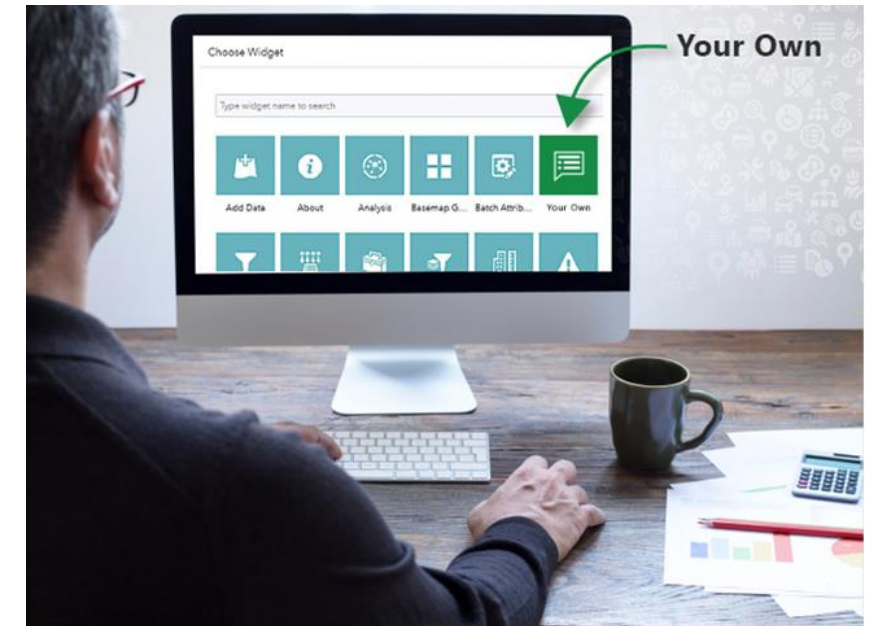


VertiGIS Studio


Geocortex Viewer for HTML5 (GVH) - VertiGIS Studio Web (VSW)		Geocortex viewer for HTML5 (GVH) Current	VertiGIS Studio Web (VSW) 5.18
Feature Comparison Matrix			
Environment & Architecture			<i>alternative = done differently</i>
Framework Architecture			
XML and JSON based configuration		x	x
Site configuration inheritance to eliminate duplicated settings across applications		x	alternative
Referencable configuration at granular component level supporting re-use			x
Web-based application builder and configuration interface		x	x
Live interactive preview directly in configuration interface			x
Manage multiple applications from single installation		x	x
Management Tools			
<i>In GXW configuration of the webmap drives a significant portion of application behavior</i>			x
Separate administrative web application		x	x
Manage map resources / map services		x	x
Manage layer settings		x	x
Manage application settings (attributes / fields, layer reports, etc.)		x	x
Manage feature layer symbology		x	x
Device Support			
Support for desktop browsers on Windows and Mac OS X		x	x
Use the same application on a variety of popular devices		x	x
Support for iPhones and iPads		x	x
Support for Android smartphones and tablets		x	x
Browser Support			
Internet Explorer 9-11 on Windows (Esri JavaScript 4.x API does not support IE)		x	not planned
Microsoft Edge on Windows		x	x
Firefox on Windows		x	x
Chrome on Windows		x	x
Safari on iOS		x	x
Chrome on Android		x	x

#2 Add Custom Widgets to ArcGIS Apps

- Why?
 - Esri widgets get you only so far . . . before custom development to creeps in to get the app **'over the finish line'**
- In 2021 Esri started allowing select Partners to add widgets to AGOL apps
 - Historically no custom tools could be added to a native AGOL application
 - VS Studio Workflow | Reporting | Printing widgets are compatible today



#2 Add Custom Widgets to ArcGIS Apps cont'd



VertiGIS Studio Printing
By VertiGIS
ArcGIS Web AppBuilder hosted widgets

Create high-quality, high-resolution PDF map products using a widget in Web AppBuilder for ArcGIS.

TRIAL



VertiGIS Studio Reporting
By VertiGIS
ArcGIS Web AppBuilder hosted widgets

Create production ready, PDF reports from data inside your ArcGIS Web AppBuilder applications.

TRIAL

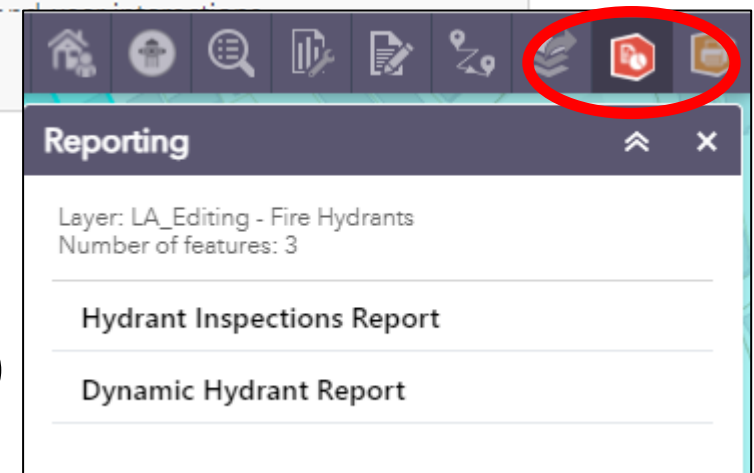


VertiGIS Studio Workflow
By VertiGIS
ArcGIS Web AppBuilder hosted widgets

Extend your ArcGIS Web AppBuilder applications by turning sophisticated business processes into simple, guide...

Compatible Versions:

- ArcGIS Enterprise Web AppBuilder
- ArcGIS Online Edition Web AppBuilder (secured apps only)
- ArcGIS Developer Edition Experience Builder



The screenshot shows the ArcGIS Web AppBuilder interface. The toolbar at the top contains several icons, with the Reporting widget icon (a red hexagon with a white document icon) circled in red. Below the toolbar, the Reporting widget configuration panel is open, displaying the following information:

Reporting [Close] [Expand]

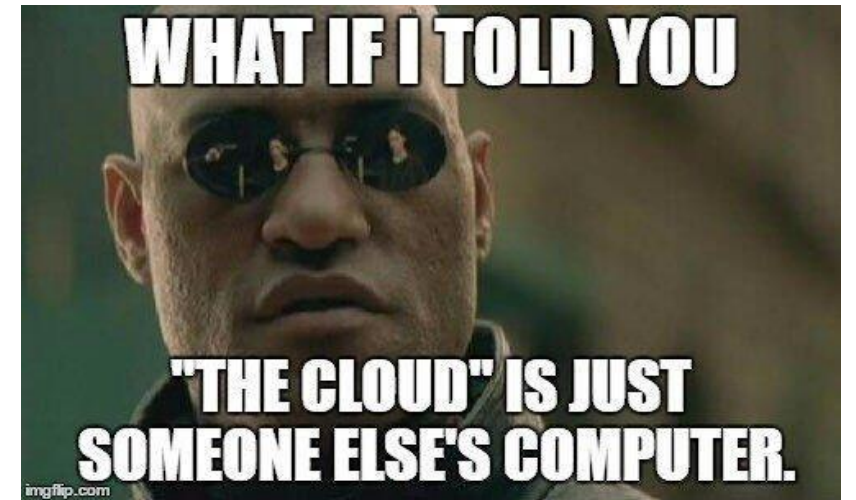
Layer: LA_Editing - Fire Hydrants
Number of features: 3

Hydrant Inspections Report

Dynamic Hydrant Report

#3 VertiGIS Studio Licensing Changes

- LA County has been a Geocortex client for over 15 years!
 - This also means the County has a legacy 'perpetual' Geocortex license
 - Some newer capabilities are not currently included in older licenses (*without an upgrade!*)
 - ie. deploying VS widgets to AGOL and Web AppBuilder
- New clients can only license VertiGIS Studio with a subscription license
 - These clients get access to VS SaaS software



#3 VertiGIS Studio Licensing Changes cont'd

- apps.vertigisstudio.com
- SaaS access to cloud versions of VertiGIS Studio
- Cloud access to VS Designers and VS Web

The screenshot displays the VertiGIS Studio website with the following content:

- VertiGIS Studio™** (Header)
- VertiGIS Studio Web**: Beautiful, fast, flexible applications combining the 3D and 2D capabilities of Esri's latest JavaScript API. Includes "Launch" and "Learn More" buttons.
- VertiGIS Studio Workflow**: Extend your VertiGIS Studio and Web AppBuilder for ArcGIS® applications by turning sophisticated business processes into a set of simple, guided end-user interactions. Includes "Launch" and "Learn More" buttons.
- VertiGIS Studio Reporting**: Create production quality, printable reports with spatial data, non-spatial data, maps, and charts formatted to templates that you design. Includes "Launch" and "Learn More" buttons.
- VertiGIS Studio Printing**: Easily create customizable print templates and deliver high quality, printable maps to your users. Includes "Launch" and "Learn More" buttons.
- VertiGIS Studio Mobile**: The world's most capable framework for configuring and building mobile offline-capable apps on Esri's platform. Includes "Launch" and "Learn More" buttons.
- VertiGIS Studio Inline**: (Image placeholder)
- VertiGIS Studio Item Manager**: (Image placeholder)
- VertiGIS Studio Access Control**: (Image placeholder)
- VertiGIS Studio Analytics**: (Image placeholder)

At the bottom of the page, there is a green bar with a button that says "Download installers for on-premises apps".

Live demo...