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Introduction

VGIN is releasing a production platform upgrade to update operating system and application server software. This upgrade is an opportunity to update several features and services provided by VGIN. This will necessitate a change in the service URL and will require attention from the GIS user community to transition to the new service URL. The legacy and updated platforms will run concurrently for five (5) weeks to provide ample opportunity for users to update applications and impacted references. This document outlines updated, modified, and deprecated services and how to request support from VGIN to support the community's transition.

Overview of transitioning to new services/URL

The new URL is provided later in this document. Users are advised to review the entire document before planning and implementing the transition. VGIN has attempted to minimize the impact of the transition by maintaining similar structures across the legacy server to the upgraded platform; references to updated services and features requiring extra attention (e.g.: composite geocoding) are referenced in **bold**.

VGIN understands the necessity to migrate URL is an impact for the community. Please reach out to VGIN Geospatial Technical Services Manager Stephen Barbie Stephen.Barbie@VDEM.Virginia.gov or VBMP@VDEM.Virginia.gov for any support or to answer questions in this transition.

Users are encouraged to share this document to additional users across their organization. Users can visit the [Contact Us](https://vgin.vdem.virginia.gov/pages/co-vgin) page of the VGIN website (<https://vgin.vdem.virginia.gov/pages/co-vgin>) to be added to VGIN's distribution lists.

Timeline:

- The updated servers and service URL will be announced August 29, 2024. The legacy and updated servers will run in parallel for five (5) weeks to provide users time and opportunity to request support from VGIN as part of this transition.
- VGIN will retire the legacy platform on **Friday October 7, 2024**.

List of some possible places where users may need to update the service URL:

The service URL is used in a variety of contexts. Users should review the current list of resources in their environment that may apply:

- ArcGIS Pro
- ArcGIS Online
 - Geocoder
 - Maps
 - Applications
 - Dashboards
- ArcGIS Desktop
- Custom built applications
- Websites

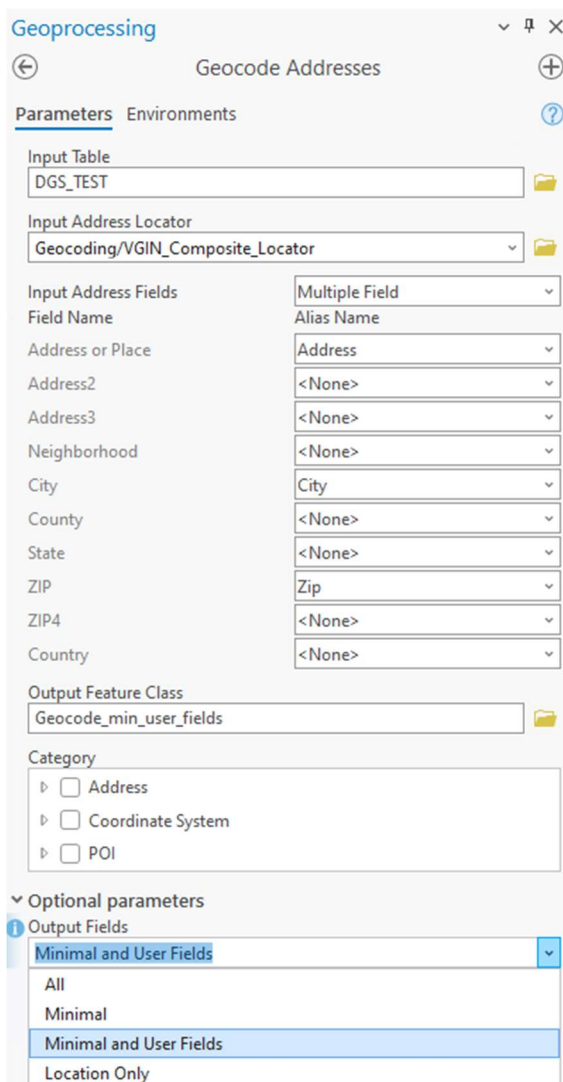
Updates, modifications, and deprecation of services:

Some changes and issues from the legacy ArcGIS Server services to the updated ArcGIS Server services:

- All services are available on the new URL as they are on the current URL (except 2013 infrared) and in the same folder structure
- All services are created and published with ArcGIS Pro 11.3.1 and made available through ArcGIS Server 11.3.
- All imagery REST services no longer include the white border. In the updated environment, these services use MIXED cache format instead of a JPEG cache format.
- The 2007 imagery service no longer has the 2006 imagery in it; in the updated environment these are separate REST services.
- 2013 imagery services - The entire planned collection area could not be captured in 2013 resulting in partial tiles delivered for some areas.
 - True color REST service - This service will include a partial white border in some places.
 - **Infrared REST service – This service is deprecated.** There was an issue rebuilding the cache for this service as some tiles for the 4th band were corrupt.
- Imagery was flown in 2016 and was found during a rebuild of the imagery drive and is now available as a service; this covers part of northern VA and part of Danville.
- 2024 imagery REST services (northern VA) will be available in mid-September.
- Tiling schema changed for Address Points, Building Footprints, Parcels and Land Cover REST services align with the rest of VGIN cached services.
- **Composite Geocoder:**
 - All locators and composite locator were created and published with ArcGIS Pro 3.3.1 and made available through ArcGIS Server 11.3.
 - **Updated Composite Geocoder in ArcGIS Desktop** – Users attempting to batch geocode with the updated platform using Desktop versions 10.8.1 and 10.8.2 receive unmatched results for all records. VGIN has opened a support ticket with ESRI for support and resolution and this is still in process. VGIN will provide updates to the community for resolution or workaround.
 - Single record geocode tool in ArcGIS Desktop – This tool has been tested and works as anticipated in Desktop versions 10.8.1 and 10.8.2.



- **ArcGIS Pro** – VGIN and ESRI have identified an issue for managing fields returned from a batch geocoding request ([ESRI BUG-000169920](https://bugzilla.esri.com/bug.cgi?bug=000169920)). Using the ArcGIS Pro default settings, matched records returned provides all possible fields from the composite. ArcGIS Pro users can open the *Geocode Address* tool, expand the *Optional Parameters* section, select the *Output Fields* drop down, then select the *Minimal and User Fields* option. Users will want to evaluate the *All* option if the *Minimal and User Fields* option does not provide the desired output. VGIN will share any updates to this issue moving forward.



Updated services URL for VGIN services

The legacy URL is <https://gismaps.vdem.virginia.gov/arcgis/rest>; the URL for the updated VGIN platform and services is <https://vginmaps.vdem.virginia.gov/arcgis/rest>.

Publication Version Control

The following table contains a history of revisions to this publication.

Documentation Version	Release Date	Revision Description
1.0	08-28-2024	Initial