

National Incident Feature Service – 2020 Hosted Service Deployment

Release: 6/19/2020

Due to EGP server instability, new ArcGIS Online hosted feature services were quickly created and deployed on 6/19/2020. The service naming convention and organization is designed to mirror the existing EGP services to ease transition. The only exception to that is the “HOSTED National Incident Feature Service (Collector Single Service)” that provides a service that can be used in Collector to display all Event features.

Since the hosted services mirror the EGP services, please refer to the [National Incident Feature Service Workflows](#) for information about the contents of the web maps and services.

Due to the emergency nature of the switch and the short testing window, there are going to be a few items that are not perfect. Please use the [GeoNet Wildfire Response GIS](#) group for questions about the services, this way all GISS can benefit from seeing your question. Any tech support issues can be sent to wildfirerresponse@firenet.gov.

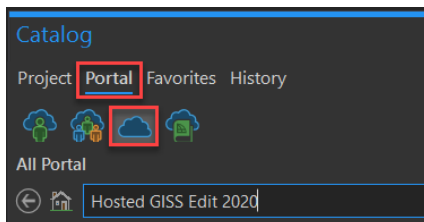
GISS Edit Services

Old EGP Services (NIFC Item)	New HOSTED Services
GISSEdit	HOSTED GISS Edit 2020
StructureTriage_GISSEdit	HOSTED Structure Triage GISS Edit 2020

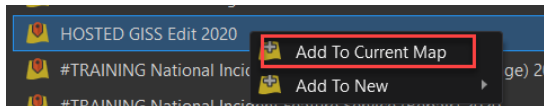
These services are available at the links above and should be used by GISS to edit all service related features. They can be used to [Create a Local Copy](#) as part of the [GISS Workflow](#). *The **GISS** role in the NIFC Org will allow you to search for, find, and use these services. Those without the GISS role will not be able to access these services. Do not change the sharing or make copies of these services.*

Adding the services to Pro:

1. Sign into your NIFC AGOL account in Pro
2. In the Catalog window click on Portal > All Portal (cloud icon) > enter the hosted service name in the search bar:

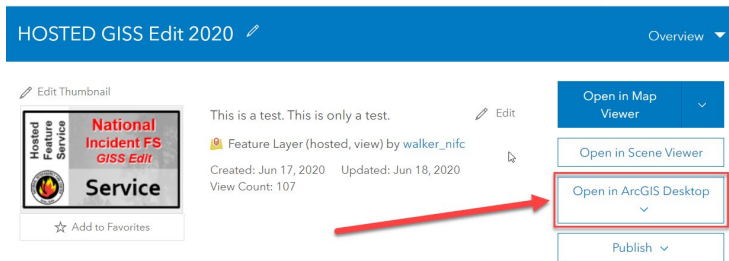


3. Click on the service name and select Add to Current Map



Adding the services to ArcMap:

1. Go to the Item Details page in AGOL for the service you want to add.
2. On the upper right side select Open in ArcGIS Desktop.



3. A file titled item.pitem will be downloaded to the folder of your choice. Click on that file to open the ArcMap and add the service to the map.

For the best editing performance avoid editing the services directly and create a Local Copy. Pro allows you to use the same local geodatabase for repeated syncs of the data.

Caution: in Pro 2.4 when creating a Local Copy in Pro (the Download Map function) the geodatabase that is created is a run time (also called mobile) GDB (.geodatabase extension). When editing this GDB be aware there is no undo capability.

Services Group

All hosted services (other than GISS Edit services) and web maps are shared with the [Incident Resources Group](#). The group is shared with the Org. **Use the maps as templates to start from.**

Hosted Service Organization

Designed to mirror the existing ArcGIS Server Services in the workflow documents.

EGP Services (NIFC Item)	HOSTED Services
Collector View (NIFS View)	HOSTED National Incident Feature Service (Collector View)
Collector Edit (NIFS Edit)	HOSTED National Incident Feature Service (Collector Edit)
Collector Repair (NIFS Repair)	HOSTED National Incident Feature Service (Collector Repair)
StructureTriage_CollectorEdit (NIFS Structure Triage)	HOSTED National Incident Feature Service (Collector Structure Triage)
Repair Status (NIFS Repair Status)	HOSTED National Incident Feature Service (Collector Repair Status)
IR/Event_IR_View	<i>N/A - included in Collector View</i>
	HOSTED National Incident Feature Service (Collector Single Service)

Adding services to your own maps:

The easiest way to get set up quickly is to start from the template web maps. But if you really want to do it all yourself you will need to add the services directly to your own web map. Since the services are Views and come from a single parent hosted service, remove any service feature classes named "REMOVE" to mirror the functionality of the EGP services. For example, in the HOSTED Collector Repair 2020 service, the Label Point and Accountable Property feature layers should be removed.

Web Maps

Designed to mirror the web maps created for the AGOL Workflows

Old Web Map	New Web Maps based on HOSTED Services
Incident Web Map	HOSTED Incident Web Map Template 2020
Approval Workflow 1 Collector	HOSTED Approval Workflow - (1) Collector 2020
Approval Workflow 2 Approver	HOSTED Approval Workflow - (2) Approver 2020
Approval Workflow 3 Viewer	HOSTED Approval Workflow - (3) Viewer 2020
Suppression Repair	HOSTED Suppression Repair Template 2020

Implementation

Incidents and teams will be allowed to transition their data and web maps to use the hosted NIFS services as they see fit. Migrating data programmatically was ruled out due to complexity of all incidents moving data at the same time.

Incidents should migrate data and web aps as soon as practical to avoid any additional disruption of service. GISS with pre-configured web maps pointing to the EGP services should update their maps to point to the hosted services ASAP.

Basic steps for migrating to the hosted feature services:

1. Start with the HOSTED Incident Web Map Templates and rebuild the maps for your incident/team. Make sure they are configured to your liking.
2. Test the new Incident Web Map Templates to ensure functionality is understood. Access them in Collector, add the hosted services to Pro or ArcMap, etc.
3. Decide on a time for migration.
 - a. Have all incident personnel sync data to the EGP services for a final time.
 - b. Have Collector users add the new web maps to their device and remove old web maps.
 - c. Create a Local Copy of the EGP services.
 - d. Create a Local Copy of the hosted services and copy data into the GDB.
 - e. Sync data with hosted services.
4. If any data is synced with the EGP services after transition, get a copy of the data and load it into the hosted services. Try to make the cutover as clean as possible to avoid lingering data.

*** For the short term until a better solution can be set up, twice daily copies of the Daily Fire Polygon data will be made from the AGOL hosted service to EGP to ensure data is available for upward reporting.