How to connect to FS Image Services from ArcMap

Beginning in March 2017, a secure HTTPS server was set up for accessing the Forest Service Image Services. The initial purpose of this server is for connections from ArcGIS Online maps and web applications. However, beginning with ArcGIS 10.5, named secure URLs will be used for connections to the Image Services from both ArcGIS and online resources. Therefore, users are encouraged to move from using the IP URL (see section titled "Old Connection Information") to the new URL.

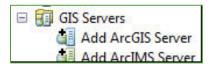
For making connections in ArcGIS Online, go to the section "<u>Connecting from AGOL or other web</u> <u>applications</u>" on page 4.

Connect using ArcCatalog

- 1. Launch ArcMap.
- 2. If needed activate Catalog by either clicking on **Windows | Catalog** or by clicking on the Catalog icon in the main toolbar (see below).



- 3. Dock the toolbar if desired.
- 4. Find the **GIS Servers** item, and click the plus sign next to it to expand the list.
- 5. Double-click on Add ArcGIS Server (see below).



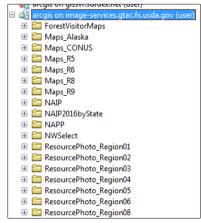
6. In the box next to Server URL:, type (or copy and paste) the following address: https://image-services.gtac.fs.usda.gov/arcgis



7. Leave the User Name and Password boxes blank, and click Finish (see below).

General		- X
Server URL:	https://image-services.gtac.fs.usda.gov/arcgis	
	ArcGIS Server: http://gisserver.domain.com:6080/arcgis	
Authentication (Op	tional)	
User Name:		
Password:		
	Save Username/Password	

- 8. The service will be added to the list under GIS Servers.
- 9. Expand the lists by clicking on the plus signs to see the available data (see below).



10. To add a service to your map, simply click-and-drag the service to your map window or Table of Contents.

Connect Using Add Data in ArcMap

- 1. Click on the Add Data button, or right-click on Layers in the Table of Contents and choose Add Data.
- 2. Next to Look in, click on the drop down and select GIS Servers (see below).





3. In the list, double-click on Add ArcGIS Server (see below).

Add Data	
Look in:	GIS Servers
	ArcGIS Server ArcIMS Server

- 4. Ensure that Use GIS Services is selected, and click on Next >.
- 5. In the box next to Server URL (see below), type (or copy and paste) the following address: https://image-services.gtac.fs.usda.gov/arcgis

General		X
	http://www.envious.etv.fr.uch.enviol	
Server URL:	https://image-services.gtac.fs.usda.gov/arcgis	
	ArcGIS Server: http://gisserver.domain.com:6080/arcgis	

Note: Users of ArcGIS 10.2 and later do not need to add the "/services" at the end.

- 6. Leave the User Name and Password boxes blank, and click **Finish**.
- 7. The server **arcgis on image-services.gtac.fs.usda.gov/arcgis (user)** will be added to the list. Double click on it.
- 8. The list of services will now appear in the Add Data dialog (see below.) To see what is available in a folder, double-click it. To move up a level, click on the **Up One Level** tool to the right of the Look in drop down.

Add Data		
Look in: 🕼 arcgis on image	-services.gtac.f: 🔻 🏠 请) 🗰 🕶 🔛 🛍 🗑 🚳
ForestVisitorMaps	NAPP	ResourcePhoto_Region09
Maps_Alaska	NWSelect	ResourcePhoto_Region10
Maps_CONUS	🚞 ResourcePhoto_Region01	🚰 Terrain
Maps_R5	ResourcePhoto_Region02	Terrain_Region01
Maps_R6	ResourcePhoto_Region03	Terrain_Region03
Maps_R8	ResourcePhoto_Region04	Terrain_Region05
Maps_R9	ResourcePhoto_Region05	Terrain_Region06
C NAIP	ResourcePhoto_Region06	Terrain_Region09
MAIP2016byState	🚞 ResourcePhoto_Region08	Terrain_Region10
•		4
Name:		Add
Show of type: Datasets, Lay	ers and Results	▼ Cancel



9. To add the desired service, click on it then click on Add.

The server will now be available below **GIS Servers** in the Look in drop down until you remove it.

Connecting from AGOL or other web applications

In order to access the Forest Service Image Services, you must have a FS ArcGIS Online Account. The account name is typically your FS short name with 'usfs' appended at the end. For information on how to obtain one, go to the <u>FS AGOL SharePoint page</u>.

- 1. Navigate to **arcgis.com**, and sign in with your 'usfs' credentials.
- 2. Open an existing Map, or start a new one.
- 3. On the left side of the page, click on the **Add** dropdown, then choose **Search for Layers** (see below).



4. To the right of **In** at the top of the window, click on the dropdown and select **A GIS server** (see below).



- 5. In the box next to URL, type or copy/paste the following: https://imageservices.gtac.fs.usda.gov/arcgis/rest/services
- 6. The services available from GTAC will appear in the list. Find those you are interested in and click on the **Add** link. Continue to use AGOL.



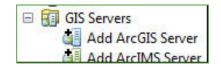
Old Connection Information

Connecting from Catalog

- 1. Launch ArcMap from the start menu by clicking Start | Programs | ArcGIS | ArcMap.
- 2. Close any start-up screens that may appear.
- 3. From within ArcMap, if needed activate Catalog by either clicking on **Windows | Catalog** or by clicking on the Catalog icon in the main toolbar (see below).



- 4. Dock the toolbar if desired.
- 5. Find the **GIS Servers** item, and click the plus sign next to it to expand the list.
- 6. Double-click on Add ArcGIS Server (see below).



7. In the box next to Server URL:, type (or copy and paste) the following address: http://166.2.126.54/arcgis

Server URL:	http://166.2.126.54/arcgis	
	ArcGIS Server: http://gisserver.domain.com:6080/arcgis	
Authentication (O	ptional)	
User Name:		
Password:		
	Save Username/Password	

Note that if you are using Arc 10.1 or earlier, you will need to use the following instead: <u>http://166.2.126.54/arcgis/services</u>

- 8. Leave the User Name and Password boxes blank, and click **Finish** (see above).
- 9. The service will be added to the list under GIS Servers.



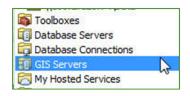
arcgis on 166.2.126.54 (user)
NAIP
NAIP2013byState
ResourcePhoto_Region02
ResourcePhoto_Region03
ResourcePhoto_Region04
ResourcePhoto_Region10
Utilities
eTOPO_24K_100K_250K_CONUS
PBS_GeoTiff

10. Expand the lists by clicking on the plus signs to see the available data (see below).

11. To add a service to your map, simply click-and-drag the service to your map window or Table of Contents.

Connect Using Add Data in ArcMap

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- 2. Next to Look in, click on the drop down and select GIS Servers (see below).



3. In the list, double-click on Add ArcGIS Server (see below).

Add Data	
Look in:	GIS Servers
	ArcGIS Server ArcIMS Server

- 4. Ensure that Use GIS Services is selected, and click on Next >.
- 5. In the box next to Server URL (see below), type (or copy and paste) the following address: http://166.2.126.54/arcgis

General		8
Server URL:	http://166.2.126.54/arcgis/services	
	ArcGIS Server: http://gisserver.domain.com:6080/arcgis	

Note: Users of ArcGIS 10.2 and later do not need to add the "/services" at the end.



- 6. Leave the User Name and Password boxes blank, and click Finish.
- 7. The server arcgis on 166.2.126.54 (user) will be added to the list. Double click on it.
- 8. The list of services will now appear in the Add Data dialog (see below.) To see what is available in a folder, double-click it. To move up a level, click on the **Up One Level** tool to the right of the Look in drop down.

Add Data		
Look in: 🗿 arcgis	s on 166.2.126.54 (user) 🔻 🚹 🗔	🏥 🗸 😫 🖆 🗊 🚳
E ForestVisitorMag	os 🔚 NAPP	ResourcePhoto_Region09
Maps_Alaska	NWSelect	ResourcePhoto_Region10
Maps_CONUS	🚞 ResourcePhoto_Region01	🔚 Terrain
Maps_R5	🚞 ResourcePhoto_Region02	Terrain_Region01
Carl Maps_R6	🔚 ResourcePhoto_Region03	Terrain_Region03
Carl Maps_R8	🚞 ResourcePhoto_Region04	Terrain_Region05
Caps_R9	🚞 ResourcePhoto_Region05	Terrain_Region06
C NAIP	🚞 ResourcePhoto_Region06	Terrain_Region09
MAIP2016byStat	e 🔁 ResourcePhoto_Region08	Terrain_Region10
	III	4
Name:		Add
Show of type: Dat	asets, Layers and Results	▼ Cancel

9. To add the desired service, click on it then click on Add.

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