

TRAINING GUIDE

GIS Admin for Web and Mobile Maps (Lucity 2017)

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GIS Admin for Web and Mobile Maps (Lucity 2017)

In this session, we'll cover the tools necessary to properly configure Lucity to work with your GIS environment. We'll give you information about the configuration and settings necessary to run the Lucity web and mobile maps.

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Introduction

Some system configuration and setup is required prior to using the web maps available with Lucity Web, Mobile and Tablet. This configuration occurs in the Lucity Administration tool, ArcCatalog, ArcMap, and ArcGIS Server.

Lucity Administration

- Set up user authentication if map and/or feature services are secured.
- Set up GIS service connection info
- Create map templates
- Configure system settings

Lucity Security

- Assign users to default groups
- Verify user/group permissions grant access to GIS Web Map

ArcCatalog

- Associate map/feature services for feature classes
- Feature class alias associations

ArcMap

• Alias Name import

Before you can configure web maps to use in the various Lucity environments, you must first have the basic Lucity GIS configuration complete. Information on setting up the initial Lucity configuration is provided in the Lucity GIS Admin Tools documentation.

The following pages describe the above steps in further detail.

Lucity Administration Tool

The Lucity Administration tool (Lucity.Admin.exe) is used to configure various GIS settings used with the Lucity web maps. This .exe can be found in your local workstation \bin directory or can be accessed by the Start>>All Programs>>Lucity>>Lucity Administration Tools

Authentication Setup

Before configuring GIS Services (covered in the next section), if your map and/or feature services are secured, you will need to configure a user authentication for each secured service. In version 2016r2+, this is handled inside Authentication Setup.

To configure user authentication:

1. In the Lucity Administration tool click on GIS>>Authentication Setup



2. The following dialog will appear, allowing you to add or delete user authentications.

 Name/Desc	Usemame	Has Password?	
GBAMS\deric	GBAMS\deric		Set Password
Lucity	Lucity		Set Password
mw	mw		Set Password
matt	mw		Set Password
Greg	gbs522		Set Password
test	test		Set Password

Grid Properties:

- Name/Desc: A unique/easily remembered name for whose credentials are on which row.
- Username: The actual username that has been configured for a given user on a given service.
- Has Password? Determines if the username has a password associated to it. If this is checked, then a password must be provided.
- Set Password: Click this button to populate the password associated to the username for the service, if there is one.

GIS Services

The GIS Services module is used to store the services information used with the web maps. This includes three types: map services (services that have your operational data, redlining feature services, base map services, and any other map/feature services), utility services (geocoding services, geometry service, and routing service), and work zone services (services that hold information for work maintenance and alternate zones).

Map Services

To add/edit/delete map services:

1. In the Lucity Administration tool click on GIS>>GIS Services



2. The following dialog will appear allowing you to edit existing services, add new services or delete services.

Name	uł	Order	Opacity	Base Map for Web?	Base Map for Mobile?	Has Feature Service?	User Auth	Require Logon?	Offline Mobile Feature Service Url	Proxy Url
LucityGIS_Park	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_Park/MapServer	3					arcgis.mylucity.vie			
LucityGIS_Facilities	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Facilities/MapServer	2					arcgis.mylucity.vie 💌			
LucityGIS_Sewer	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Sewer/MapServer	3				V	arcgis.mylucity.vie 💌			
LucityGIS_Storm	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Stom/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_Street	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Street/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_Traffic	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Traffic/MapServer	3				V	arcgis.mylucity.vie 💌			
LucityGIS_ROW	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_ROW/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_Water_Dist	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Dist/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_Water_Raw	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Raw/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_Water_Recycled	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Recycled/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_GISTasks_Edita	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_GISTasks_Editable/MapServer	4				V	arcgis.mylucity.vie 💌			
LucityGIS_Parcels	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Parcels/MapServer	1					arcgis.mylucity.vie 💌			
LucityGIS_Imagery	https://arcgis.mylucity.net/server/rest/services/LucityGIS_Imagery/ImageServer	0		V			arcgis.mylucity.vie 💌			
LucityGIS_LandBase	https://arcgis.mylucity.net/server/rest/services/LucityGIS_LandBase/MapServer	1					arcgis.mylucity.vie 💌			_
LucityGIS_Redlining	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Redlining/FeatureServer	4					arcgis.mylucity.vie 💌			_
LucityGIS_AI_Editable	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_All_Editable/MapServer	4				V	arcgis.mylucity.pub 💌			
E CHI LIS I	1			11121	1141	1000		[111]		

Grid Properties:

- Name: A unique name for the service. This is used to identify the service during setup.
- URL: The URL of the service, or path to a local map package. This must include /rest after ArcGIS.
 - In ArcGIS 10.x the service name is case sensitive
- Order: The order in which map services will appear when used together. Lower numbers will appear underneath higher numbers. Base map services will always be on the bottom.
 - The Order can be overwritten for individual maps in Map Setup
- **Opacity:** Controls the opacity of this service
- Base Map for Web?: Marks whether a layer should be used as a base map for web. All layers marked as a Base map will be available to all users in the base map selection tool in the web map.
 - Base maps must be either a Tiled, Image, or Bing Map service

- Base Map for Mobile?: Marks whether a layer should be used as a base map for mobile. All layers marked as a Base map will be available to all users in the base map selection tool in the mobile map.
 - Base maps must be either a Tiled, Image, or Bing Map service
- Has Feature Service?: This setting indicates if the map service has a corresponding feature service. This would be the case if the map service had the Feature Access capability enabled on it.
- User Auth: If the map service is secure, select a user authentication that has permission to access it (configured in Authentication Setup). This is required for secure services that contain Lucity Operational Data.
- **Require Logon?:** If the service is a secured service it should have a username and password assigned. Mark this field to force users to enter their own login credentials as an added layer of security.
 - In version 2016r2+, this is automatically set to true for ArcGIS Online services.
- Offline Mobile Feature Service URL: If this service is part of a map that users might pull down to the Lucity Mobile app in Offline mode this field allows you to enter a URL for an alternative map service. Map services that are taken offline have several Esri imposed restrictions. This setting allows you to use an unrestricted map service in your webmap/mobile map but then when users take the map offline it would automatically switch to the alternative service that you designed in-line with Esri's offline restrictions.
 - \circ This functionality only applies to the Lucity mobile Android application
- **Proxy URL:** Clients using a proxy can provide the proxy URL here.
- Note:
 - In version 2017r2, the Mobile URL setting was removed from the Map Services tab. Starting with 2017r2, if a Mobile URL was previously specified, a new Map Service record must be created using that Mobile URL.

Default Base Map for Web: Previously handled in System Settings>>GIS Web, unless otherwise specified, this is the basemap that will appear when any user opens the web map.

Default Base Map for Mobile: Previously handled in System Settings>>GIS Web, unless otherwise specified, this is the basemap that will appear when any user opens the mobile map.

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Redlining Services

All the Lucity web map applications support basic redlining functionality. To enable redlining, the service that contains your redlining layers must be added to the GIS Map Services module.

- 1. When adding redlining services, be sure to provide the URL to the Feature Server in the URL field not the Map Server.
- 2. Do not mark the Has Feature Service option. The fact that you are specifying the URL to a Feature Server indicates that this is a Feature Service.

Example:

	Name	Ui	Order	Opacity	Base Map for Web?	Base Map for Mobile?	Has Feature Service?	User Auth	Reg Log	quire jon?
	LucityGIS_Parcels	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Parcels/MapServer	1					arcgis.mylucity.vie		
	LucityGIS_Imagery	https://arcgis.mylucity.net/server/rest/services/LucityGIS_Imagery/ImageServer	0		V			arcgis.mylucity.vie		
	LucitvGIS LandBase	https://arcois.mvlucity.net/server/rest/services/LucityGIS_LandBase/MapServer	1					arcois.mvlucity.vie 💌		1
Þ	LucityGIS_Redlining	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Redlining/FeatureServer	4					arcgis.mylucity.vie 💌	E	
	LucityGIS_AI_Editable	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_All_Editable/MapServer	4				7	arcgis.mylucity.pub 🔻		
	Esri_WorldStreet	https://services.arcgisonline.com/arcgis/rest/services/World_Street_Map/MapServer	0		\checkmark	V				
	Esri_WorldTopo	https://services.arcgisonline.com/arcgis/rest/services/World_Topo_Map/MapServer	0		V	V				

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Editable Services

Version 2014r2+ allows you to configure services that can be used for editing in the Lucity web map. These services don't need to contain Lucity linked data, but if they do, special consideration needs to be given to the restrictions of editing Lucity linked data outside of the Lucity ArcMap editing environment.

- 1. When adding services that can be edited, be sure to provide the URL to the Map Server, NOT the Feature Server, in the URL field.
- 2. Check the Has Feature Service option. This indicates that the map service specified in the URL field has a corresponding feature service.

Example:

	Name	Uri	Order	Opacity	Base Map for Web?	Base Map for Mobile?	Has Feature Service?	User Auth	Require Logon?	Offline Mobile Feature Service Url	Proxy Url	^
	LucityGIS_Park	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_Park/MapServer	3					arcgis.mylucity.vie 💌				
	LucityGIS_Facilities	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Facilities/MapServer	2					arcgis.mylucity.vie				
	LucityGIS_Sewer	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Sewer/MapServer						arcgis.mylucity.vie				
	LucityGIS_Storm	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Stom/MapServer	3					arcgis.mylucity.vie				=
	LucityGIS_Street	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Street/MapServer	3					arcgis.mylucity.vie				
	LucityGIS_Traffic	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Traffic/MapServer						arcgis.mylucity.vie 🔻				
	LucityGIS_ROW	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_ROW/MapServer	3					arcgis.mylucity.vie				
	LucityGIS_Water_Dist	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Dist/MapServer	3					arcgis.mylucity.vie				
	LucityGIS_Water_Raw	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Raw/MapServer	3					arcgis.mylucity.vie				
	LucityGIS_Water_Recycled	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Recycled/MapServer	3					arcgis.mylucity.vie				
	LucityGIS_GISTasks_Edita	$https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_GISTasks_Editable/MapServerwidth=0.0013333111111111111111111111111111111$						arcgis.mylucity.vie				
	LucityGIS_Parcels	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Parcels/MapServer	1					arcgis.mylucity.vie				
	LucityGIS_Imagery	https://arcgis.mylucity.net/server/rest/services/LucityGIS_Imagery/ImageServer	0		\checkmark			arcgis.mylucity.vie				
	LucityGIS_LandBase	https://arcgis.mylucity.net/server/rest/services/LucityGIS_LandBase/MapServer	1					arcgis.mylucity.vie				
	LucityGIS_Redlining	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Redlining/FeatureServer	4					arcgis.mylucity.vie				
Þ	LucityGIS_AIL_Editable	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_AI_Editable/MapServer						arcgis.mylucity.pub 🔻				
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Special Considerations

- If editing Lucity linked data:
 - Lucity is not directly aware of the edits being made in the web map. The Lucity database is not updated when you save your edits. In order for Lucity to be updated with the edits made in the web map you must do one of the following:
 - Setup a GIS Scheduled Task against the underlying feature classes.

Or

- In ArcMap, using the Lucity Editor Extension run the Force Sync tool on the features that have been edited.
- Only basic editing tasks supported. Due to the nature of maintaining inspection and work history along with feature relationships the following edits are not supported and should be avoided in the web map:
 - Renumber (changing the FacilityID/CommonID value for an existing feature)
 - Delete (deleting an existing feature)
 - Split (splitting a sewer pipe, storm conduit, water pipe, or a street segment/subsegment/supersegment)
 - Merge (merging sewer pipes, storm conduits, water pipes, or street segments/subsegments/supersegments)

Testing Service Connection

The GIS Services module provides the ability to test the service connection. This tool is helpful in validating which layers in the service are recognized as being linked to Lucity. There are two connection tests that are performed:

- 1. Tests the connection method used by the Lucity Webmap and SOE
- 2. Tests the connection method used by the Lucity Spatial Updater, Lucity GIS Tasks, and Lucity to GIS updates via a Feature Service.

To test a service connection:

- 1. Select the row(s) you wish to test, or if no rows are selected then a test will be performed against all services.
- 2. Click the Test button.

Name	Ш	Order	Opacity	Base Map for Web?	Base Map for Mobile?	Has Feature Service?	User Auth	Require Logon?	Offline Mobile Feature Service Url	Proxy
LucityGIS_Park	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_Park/MapServer	3					arcgis.mylucity.vie			
LucityGIS_Facilities	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Facilities/MapServer	2					arcgis.mylucity.vie			
LucityGIS_Sewer	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Sewer/MapServer	3				V	arcgis.mylucity.vie			
LucityGIS_Storm	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Storm/MapServer	3					arcgis.mylucity.vie			
LucityGIS_Street							arcgis.mylucity.vie 🔻			
LucityGIS_Traffic	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Traffic/MapServer	3				V	arcgis.mylucity.vie			
LucityGIS_ROW	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_ROW/MapServer	3					arcgis.mylucity.vie			
LucityGIS_Water_Dist	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Dist/MapServer	3					arcgis.mylucity.vie 💌			
LucityGIS_Water_Raw	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Raw/MapServer	3					arcgis.mylucity.vie			
LucityGIS_Water_Recycled	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Water_Recycled/MapServer	3					arcgis.mylucity.vie			
LucityGIS_GISTasks_Edita	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_GISTasks_Editable/MapServer	4				V	arcgis.mylucity.vie			
LucityGIS_Parcels	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Parcels/MapServer	1					arcgis.mylucity.vie			
LucityGIS_Imagery	https://arcgis.mylucity.net/server/rest/services/LucityGIS_Imagery/ImageServer	0		V			arcgis.mylucity.vie			
LucityGIS_LandBase	https://arcgis.mylucity.net/server/rest/services/LucityGIS_LandBase/MapServer	1					arcgis.mylucity.vie			
LucityGIS_Redlining	https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Redlining/FeatureServer	4					arcgis.mylucity.vie			
LucityGIS_AI_Editable	https://arcgis.mylucity.net/server/rest/services/LucityGISDev/LucityGIS_All_Editable/MapServer	4				V	arcgis.mylucity.pub			
le concrete co	har of the state o				(ma)	5000	i	1		

3. Once the service tests have been completed, a separate dialog will appear showing the results. If a connection to a service was successful, the results will list only the layers in that service that have been recognized as being linked to Lucity.

Example result:

🔏 Service Test Results	 ×
Test Results:	
<u>Itter//accis.m/uch/n/a/kerver/test/serv/cest/Uuch/GIS17/.uch/GIS_Street/MapServer</u> : https://accis.m/uch/n/a/kerver/test/ore/@0 Brdgea@1 Street Succure Invertory @2 Segment Network @3 Subgeagment Network @4 Supersegment Network @5	
Perform connection tests used by Lucity Spatial Updater	
Testing connection to LusthGIS_Street_ <u>Inter / varces melucity net /services / LuchGIS 17/LuchGIS Street / Map Server /0</u> Provide Street / Map Server /0 Provide Street / Map Server /0 Pro	

Utility Services

Previously handled in System Settings>>GIS Web; geocoding, geometry, and routing services are now defined inside GIS Services>>Utility Services.

GIS Services									
Serv	ce Utility Services Work ;	Zone Services							
00000	Name	Uri		Service is secure?	Proxy Url		LastModifiedBy	LastModifiedDate	LastModifiedTime
	DefaultGeocodingService	http://geocode.arcgis.com/arcgis/rest/services/World/GeocodeServer					CONVERSION	6/1/2016	2:16 PM
	LucityConvMap_2	http://demo.lucity.net/arcgis/rest/services/GeoLocate/GeocodeServer					EricD	6/3/2016	3:24 PM
	LucityConvMap_1	http://lct-arcsrv-01:6080/arcgis/rest/services/DBO_stSegment_AddressLow	cator/GeocodeServ	er 📃			CONVERSION	6/1/2016	2:46 PM
	testGeocode2	http://demo.lucity.net/arcgis/rest/services/Lucity2016/AddressDualRange	/GeocodeServer				EricD	6/3/2016	10:02 AM
	Url		Consistence of a second of the						
_	Uil		Canadiana (n. 1999)						
	http://let.accap/.01-6020/acc	nie (met /oonligge // Militige //Goometry/GoometrySonyor	Service is secure ?	Proxy Url		LastModifiedBy EricD	LastModifiedDate	LastModifiedTime	
	http://lct-arcsrv-01:6080/arc	gis/rest/services/Utilities/Geometry/GeometryServer		Proxy Url		LastModifiedBy EricD	LastModifiedDate 6/3/2016	LastModifiedTime 3:24 PM	
_	http://lct-arcsrv-01:6080/arc	gis/rest/services/Utilities/Geometry/GeometryServer		Proxy Url		LastModifiedBy EricD	LastModfiedDate 6/3/2016	LastModifiedTime 3:24 PM	ave Cancel
outing	http://lct-arcsrv-01:6080/arc	gis/rest/services/Utilities/Geometry/GeometryServer		Proxy Url		LastModifiedBy EricD	LastModfiedDate 6/3/2016	LastModfiedTime 3:24 PM	ave Cancel
uting	http://dt-arcsnv-01:6080/arc Service Url	gis/rest/benvices/Utilities/Geometry/GeometryServer	Service is secure?	Proxy Url		LastModfiedBy EricD	LastModfiedDate 6/3/2016 LastModfiedDate	LastModfiedTime 3:24 PM S LastModfiedTime	ave Cancel
uting	http://tct-arcsrv-01.6080/arc Service Ut http://tasks.arcgisonline.com	gis/rest/services/Nälties/Geometry/GeometryServer	Service is secure?	Proxy Url		LastModifiedBy EncD LastModifiedBy EncD	LastModfiedDate 6/3/2016 LastModfiedDate 6/3/2016	LastModfiedTime 3:24 PM S LastModfiedTime 3:24 PM	ave Cancel
kouting	http://ict-arcsrv-01-6080/arc Service Ud http://tasks.arcgisonline.com Vehicle Start Address for Work	gis/rest/services/Utilities/Geometry/GeometryServer	Service is secure?	Proxy Url		LastModfiedBy EricD LastModfiedBy EricD	LastModfiedDate 6/3/2016 LastModfiedDate 6/3/2016	LastModfiedTime 3:24 PM S LastModfiedTime 3:24 PM	ave Cancel

Grid Properties:

- Name: A unique name for the service. This is used to identify the service during setup (this is not provided for geometry or routing services, since only one may be defined at a time).
- URL: The URL of the geocoding/geometry/routing service, or path to a local map package. This must include /rest after ArcGIS.
- Service is Secure?: Indicates whether a secured service is being used (which is supported for utility services in version 2016r2+).
- **Proxy URL:** Clients using a proxy can provide the proxy URL here.

Default Geocoding Service: This is the geocoding service that will be used by the web map for all geocoding operations, unless otherwise specified.

Default Vehicle Start Address for Work Routing: This is the address that will be considered the starting point for all vehicle routing operations (i.e. the facility where the fleet is located), unless otherwise specified.

Notes:_____

Work Zone Services

Previously handled in System Settings>>Work Zones, service information for work maintenance zones and work alternate zones is now defined inside GIS Services>>Work Zone Services.

- GIS Services	
Map Services Utility Service Work Zone Services	
1 Never overvite maintenance or atemate acco	
Maintenance Zone Info	
Service Name: Lucit/GIS LandBase	
Layer Alias Name or Index: Maintenance Zones	
Field Name: ZONE	
Alternate Zone Info	
Service Name: LucityGIS_LandBase	
Layer Alias Name or Index: Special Districts	
Field Name: DIST_CD	
Sure Court	
Cancel	

Properties:

- Never overwrite maintenance or alternate zone: When checked, this ensures that the maintenance/alternate zone code for a record is not overwritten when these fields are entered on a request or work order
- Service Name: The name of the service that contains the maintenance/alternate zone layer
- Layer Alias Name or Index: The name of the maintenance/alternate zone layer in the map service.
- Field Name: The name of the field that contains the maintenance/alternate zone ID in the maintenance/alternate zone layer.

Notes:___

GIS Map Setup

The GIS Map Setup module is used to create the templates used with the various Lucity web map applications. The GIS Map Setup provides the ability to specify template permissions, which services should be used and the order in which they should be displayed, disable any editing services, which redlining service should be used, an override to the default locator service, among other settings.

To add/edit/delete Map Setup templates:

1. In the Lucity Administration tool click on GIS>>Map Setup...



2. The following dialog will appear allowing you to add, edit, or delete templates, along with assign user groups to existing map templates and set a system default extent.

🔏 Map Setup		
Maps Shared Web Only Name GISDev Mobile Only	Group Assignment for [GISDev] Available Groups AdminRoles-Dee Asset General User Asset Power User Deathboard Users Dee TS Full Admin EquipmentReadOnly GIS Administrator	Groups assigned to this map Administrator
Name	Default web map for group [Administrator]: GISDev Default mobile map for group [Administrator]: GISDev	Set this map as web default for group [Administrator] Set this map as mobile default for group [Administrator]
Add Map Setup GIS Vewer Name Edit Map Setup	System Default Extent This extent is used to limit geocoding search results and is also a determining the default extent for web and mobile maps. Current extent:	a factor when
Delete Map	Enter un to service or layer to calculate an extent:	Calculate Extent
Help	Format: (Xmin,Ymin,Xmax,Ymax,wkid)	Save as new extent

Assign Groups to Maps

To assign user groups to maps:

- 1. Select a map in the *Maps* section on the left-hand side of the dialog. You will notice that after a map is selected the *Group Assignment for []* is updated to reflect the selected map
- 2. In the *Group Assignment for []* section, highlight one or more groups in the *Available Groups* list.
- 3. Click the **Assign Group(s) to Map >>** button in the center of the dialog.

Set a default map for a Group

Available Groups		Groups assigned to this map	
Administrator		Administrator	-
Admin Roles-Dee Asset General User	Assign G Ma	roup(s) to ====================================	=
Asset Power User Dashboard Users		GIS Administrator	-
Dee LowPerms Dee TS Full Admin	Un-Assig	Group to NoAccessSecurity	
EquipmentReadOnly GIS Administrator	- Ma	0 << Noels Security Test	+
Default web map for group GIS Dev	Administrator]:	Set this map as web default for g [Administrator]	roup
Default mobile map for grou	o [Administrator]:	Set this map as mobile default for	group

To assign the user group's default web and mobile map:

- 1. Select a map in the *Maps* section on the left-hand side of the dialog. You will notice that after a map is selected the *Group Assignment for []* is updated to reflect the selected map
- 2. In the *Group Assignment for []* section, highlight one or more groups in the *Groups assigned to this maps* list.
 - Note: If no groups are assigned to this map, you will first need to assign a group to the map. See the Assign Groups to Maps in this document for instructions.
- 3. Click the **Set this map as web default for group []** and/or the **Set this map as mobile default for group []** button to set the current map as the default.

Note:

• While each map can be assigned to multiple user groups, each group can only be assigned one default web map and one default mobile map.

Logic for determining which web map will open for a user



System Default Extent

System Default Extent This extent is used to limit geocoding search results and i determining the default extent for web and mobile maps. Current extent:	is also a factor when	
751569.683727033,844310.149606302,759904.697834 Enter url to service or laver to calculate an extent:	4644,850006.465879261,2868	Clear extent
		Calculate Extent
		Manually Enter
Format: (Xmin,Ymin,Xmax,Ymax,wkid)	Save as new extent	

The system default extent is used in the following scenarios:

- 1. It is used with the new geocoding method to help limit the results. This is especially useful if using a broad locator service such as the Esri's World Geocoding Service.
- 2. It is also used in the logic to determine the default extent of the web and mobile maps.

To set a default extent:

- 1. Enter the URL to the service or to an individual layer within the service that contains the extent you wish to use. For example:
 - <u>https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Sewer/MapServer</u>
 - <u>https://arcgis.mylucity.net/server/rest/services/LucityGIS17/LucityGIS_Sewer/MapServer/4</u>
 - Note: These can't be secured services. If using secured services, you will have to manually enter the extent information by checking the *Manually Enter* checkbox.
- 2. After entering the URL, click the *Calculate Extent* button. This will retrieve the extent information from the service and enter this into the next text box.
- 3. Click the *Save As new Extent* button to update the system setting with the calculated extent.

Notes:	 	
		_

Create/Edit Map Templates

To edit an existing map or create a new one:

1. Click the **Add Map Setup** or **Edit Map Setup** buttons to open the GIS Map Edit screen. The following dialog will appear:

Name UvctyGIS_Facilities Geocoding Default Geocoding Service	Lucity application(s) that can use this map: Web & Mobile Default Geocoding Ufr:	•			
Geocoding Service to use (if different than default):	•				
Redlining Select the feature service that contains the redlining layers:	Enter the feature layer index for the three redining layers: Point index: Polyline index: Polygon index:				
Available Web Services LucityGIS_Park	Services to Display in Map	O J Order	Disable Disabl	le Disable	Default
LuchGIS_Facilities LuchGIS_Steret LuchGIS_Steret LuchGIS_ROW LuchGIS_Water_Raw LuchGIS_Water_Raw LuchGIS_Water_Raw LuchGIS_Mater_Raw LuchGIS_Mater_Raw LuchGIS_Mater_Raw LuchGIS_Mater_Raw LuchGIS_CandBase Available Editable Services	Name Uit LuchyGIS_Parcels https://acgis.myluchy.net/server/rest/servicesr/LuchyGIS17/LuchyGIS_Parcels LuchyGIS_Facilities https://acgis.myluchy.net/server/rest/servicesr/LuchyGIS17/LuchyGIS_Fac.	Order Overad			
Add >>	Cose				

- 2. Edit the properties on the GIS Map Edit form as described below.
- 3. Once done click the Close button. This will take you back to the Map Setup dialog.
- 4. To save your changes you must click Save on the Map Setup dialog!

GIS Map Edit Properties

- **Name**: A unique name for the map template.
- Lucity application(s) that can use this map: Mark which Lucity mapping program this map is designed for. This interface is used for creating maps for Web, Mobile, and the GIS Viewer.

):	Web & Mobile	-
	Web & Mobile	
	Web Only	
	Mobile Only	- 1
	GIS Viewer	- F

- **Default Geocoding URL**: This is **read-only** and is used to show the URL of the default geocoding service that is set in System Settings on the GIS Web tab.
- **Geocoding URL (if different than default)**: Select from a list of configured geocoding URLs here if the geocoding service used for this map will should be different than the default.
- **Redlining:** To enable redlining capabilities, select the feature service from the drop down that contains the point, line, and/or polygon redlining layers. Once the redlining feature service has

been configured, enter the index of the point, line, and/or polygon redlining layer as it is listed in the service.

- This list only displays the feature services configured in the Map Services module. You first must provide the redlining feature service connection info Map Services.
- Available Web Services: Select all the services that need to be added to the map and click Add. Records will appear under the Services to Display in Map.
 - Do not add any map services that will be used as a base map.
- Available Editable Services: Select the web services that your users should be able to edit and click Add. Records will appear under the Services to Display in Map.
 - This list only displays map services that have been marked as editable via the Has Feature Service property in the Map Services module.
- Available Local Services: Select the map and/or tile packages that need to be added to the map and click Add. Records will appear under the Services to Display in Map.
 - This list only displays map services that have a URL to a map (.mpk) or tile package (.tpk).
- **Services to Display in Map:** This grid shows all the services that will be loaded into the map. Additional properties can be assigned to each of the services:
 - *Name:* This column is read-only. It is used as a reference to show the name of the service as it is listed in the Map Services module.
 - **URL:** This column is read-only. It is used as a reference to show the URL of the service as it is listed in the Map Services module.
 - **Order:** This column is read-only. It is used as a reference to show the default order in which the services will be loaded into the map. These values are defined in the Map Services module.
 - **Order Override:** To adjust the sequence of the layers for this map enter a new order using this column. 0 is the lowest layer in the map.
 - **Disable Identify:** Check this box to stop the identify tool from querying that service. Disabling Identify also disables the ability to select features in that service.
 - **Disable Edits:** If you included an editable service in the map, but you don't want users to edit these features in this particular map- check the Disable Edits box to disable editing for the service in this map.
 - **Disable Visibility:** Check this box to default the map service to being turned off in the map. These services will be turned off when the map is accessed but can be turned back on by users. Having layers turned off by default makes the map load faster.
 - **Default Extent:** Mark a service as the default extent. This makes the services extent the default extent for the entire map. When the map is loaded it will display this service's extent. This requires the **Force the GIS Web Map to always open to the default extent** setting to be enabled in system settings.

System Settings

There are various settings that are needed for web maps used in the Lucity Web and Mobile applications.

To edit the system settings:

1. In the Lucity Administrator tool click System>>Settings.



2. The following dialog will appear:

System Settings								
Identity	Server Mobile Reporting RESTAPI SaaS Security Security Pa	sswords Settings with custom interface Web Performance Web Site Work						
Appear	ance Citizen Crystal Enterprise Designer Automation Documents Email	General GIS 3rd Party Integrations GIS Desktop GIS Edit Integration GIS Web						
	Description	Value						
•	Application Tab Color	#F8981D						
	Content Frame's Alternate Header Color	#007EA8						
	Content Frame's Background Color	#F0F0E1						
	Content Frame's Header Color	#98C93C						
	Content Frame's Hyperlink Color	rgb(77, 116, 186)						
	Dashboard Tab Color	#98C93C						
	Default color of the background of content frames	255,255,255,255						
	Default color of the background of the application	255,255,255,255						
	Default color of the border of content frames	255,235,231,40						
	Default color of the border of navigation frames	255,154,202,60						
	Default color of the offset of content frames	255,229,240,213						
	Default color of the text of content frames	255,51,51,51						
	Default color of the text of navigation frames	255,154,202,60						
	Default color of the title of content frames	255,248,152,46						
	Default selection color of content frames	200,248,152,46						
	Default exploration color of paying tion frames	265 225 221 40						
Color H	elper	Save						

3. The following pages go over the various settings found in System Settings dialog that impact the web maps used with Lucity Web and Mobile.

Notes:_____

GIS Web Tab

The GIS Web tab of system settings contains the options used for web maps in both the Lucity web and mobile applications.

Identit	y Server	Mobi	le Reporting) F	REST API	SaaS	Security	Se	curity - Pa	asswords	Settings with custom interfa	ace Web Pe	formance	Web Site	Work
Appea	ppearance Citizen Crystal Enterprise Designer Automation Documents Email									General	GIS 3rd Party Integrations	GIS Desktop	GIS Edit	ntegration	GIS Web
	Description														
•	Autom	atically s	ave redlining e	dits						TRUE					
	Comm	a separa	ted criteria to ι	se foi	r a where cli	ause if parc	el layer is t	o be	queried.	ADG_A	ADR_BDG={BUILDING},ADI	DRESS='%{STI	REETNAME	}%'	
	Force	the GIS	Web Map to a	ways	open to the	default ext	ent			TRUE	TRUE				
	Opera	ional Da	ta Spatial Refe	rence	e WKID					3419					
	Preloa	d GIS ca	iches to speed	initial	l map load					TRUE					
	Separ	ator to us	e for Geocodi	ng Inte	ersections					I					
	Street	Address	Geocoding Fie	ld						Address					
	URL to address layer in map service														
	Use an address layer for address queries instead of a geocoding service								FALSE						
	Use G	IS Viewe	r instead of GI	S We	b for Show	in Map				FALSE	FALSE				

- **Automatically save redlining edits:** (Only applies to Lucity web map) Indicates if you want the redlining and editing tools to automatically save edits as they are being made. If set to FALSE, then the user is responsible for clicking the save button on the edit toolbar to commit the changes.
 - o Due to the editing environment Lucity recommends that this be set to FALSE
- Comma separated criteria to use for a where clause if parcel layer is to be queried. Keywords are {BUILDING},{STREETNAME},{STREETNAME2},{ZIP}: (Only applies to Lucity web map) This is a template that the app can use when querying a parcel layer for information. This template should specify actual field names.
 - **Example:** This says the Building number is stored in the feature class in a field called ADDRESS and the Street name is stored in a field called STRNAME.
 - ADDRESS={BUILDING} AND STRNAME='{STREETNAME}'
 - There are four available Keywords
 - BUILDING
 - {STREETNAME}
 - {STREETNAME2}
 - {ZIP}
 - Force the GIS Web Map to always open to the default extent: (Only applies to Lucity web *map*) The Webmap will not save the extent when it closes. Instead it will automatically open to the default every time it is opened.
 - **Operational Data Spatial Reference WKID:** The WKID is the "Well Known Spatial ID" for the operational data layer. This spatial reference will be used by Lucity to record xy coordinates and any other spatial data.
 - **Preload GIS caches to speed initial map load:** This causes the maps and map services to load when the web app first starts. It is recommended that this be set to TRUE, as it will improve performance.

- Separator to use for Geocoding Intersections: This setting allows agencies to specify which character their geocoding service uses as a separator character. By default this field is set to the | character.
- Street Address Geocoding Field: Which field name the geocoder is based on.
- **URL to address layer in map service:** When populated, this indicates that an address layer should be used instead of a geocoding service to locate addresses in the map.
- Use an address layer for address queries instead of geocoding service: (Only applies to Lucity web map) Allows users to use a parcel layer instead of a geocoding layer.
- Use GIS Viewer instead of GIS Web for Show in Map: (Only applies to Lucity web map) Forces the Web show in map to launch the Lucity GIS Viewer, instead of the Lucity Web Map.

Lucity Security Program

The Lucity Security program (Lucity.Security.exe) can be used to assign default groups to users. Default groups are necessary to assigning user access to the various map templates. This .exe can be found in your local workstation \bin directory or can be accessed by the Start>>All Programs>>Lucity>>Lucity Security

Logic for determining which web map will open for a user



Assign a user to a default group

Since users are not directly assigned to map templates, but rather it is their default user group that determines which map template will be used it is important to make sure that a user has been assigned to the appropriate default user group.

To modify a default group for a user:

1. In the Lucity Security program click on Security>>Users/Groups Setup

Sec	urity	Report	Win	dow	Help
۰-	Perm	nissions Se	tup	Ctrl+	-P
88.	User	s/Groups S	etup	Ctrl+	٠U
[🎽]	User	Import		Ctrl	+I
	Char	nge Client			
	Exit				

2. The following dialog will appear allowing you to edit existing users and groups.

🙉 User And Group	Assignments							- • •
View Copy								
Users:						Groups:		
User ID 🤞	First Name	Last Name	Default Rules Group	App ^ Auth	Associate	Administrator Equipment ReadOnly GIS Administrator		
Administrator	Andrea	Fowles	Administrator			GIS User Jonathan Test		E
atuttle	Allison	Tuttle	Administrator			Matt Work Order View Lim Perm		
BP	Brian	Plummer	Administrator		Discourse late	Noels Security Test		
bpinkston	Barbara	Pinkston	Administrator		Disassociate	NoelsTest		
brent	Brent	VanDusen	Administrator			QA Tablet GIS		
btreff	Brian	Treff	Administrator	*		ReadOnlyInWO		_
<				4		RESTAPIGroup		•
New User	Edit User(s) C	opy User	Delet	e User(s)		New Group Copy	Group	Delete Group(s)
Reset Password(s								
Associated Groups:	Effec	tive Permissions:				Associated Users:	Assigned Permissions:	
		isolay User Permissi	ons Only					
		Denotes a nemissi	on is controlled by a Us	er				
		permission	or is controlled by a Os					

3. Click on the user and select Edit User(s), or double-click on the user. The following dialog will open:

User Information						
User:	gsmith					
First Name:	Gregory					
Last Name:	Smith					
Email:	test@lucity.com					
Default Rules (Group: Administrator 🔹					
Enabled	Locked Change Password					
Associated Wir	ndows Accounts:					
GBAMS\gsmit	h					
	📥 Add 🛛 🔀 Remove 📓					
Allow Application Authentication						
Password never expires						
Last Login : 7/	28/2016 1:25:23 PM					
	Ok Cancel					

- 4. To assign the user to a default group, select a group from the Default Rules Group dropdown.
- 5. Click Ok to save changes.

Assign permission to a default group

Since users are not directly assigned to map templates, but rather it is their default user group that determines which map template will be used it is important to make sure that default user groups have the permission to run the GIS Web Map.

To modify permissions for a group:

1. In the Lucity Security program click on Security>>Permission Setup



2. The following dialog will appear:



- 3. Select the default user group from the list.
- 4. Verify that under Assigned Permissions the group has the run permission for GIS Web Map. If not, select the Run permission and click Grant.
- 5. Repeat for all default user groups that have been assigned to a map template in UI Admin's Map Setup module.

ArcMap

There are a few tools provided with the Lucity extension in ArcMap that facilitate the setup/configuration of Lucity to work with the feature/map services.

Lucity Alias Import

In order for Lucity GIS to recognize a layer in a service as being linked to a Lucity module it must know the layer's alias as it is listed in the service. The Lucity Manager toolbar in ArcMap provides an Alias Import tool that facilitates the process of assigning alias names to Lucity linked feature classes. Along with associating alias names the tool also provides some basic validation that warns the user of issues that may cause the Lucity GIS tools to fail when interacting with the service.

- It is strongly recommended that running the Lucity Alias Import tool be part of your routine when publishing services that will be consumed by any of the Lucity GIS tools and applications.
- Besides updating the alias configuration in Lucity, it also validates that each feature class linked to Lucity has the following fields:
 - o OID, Shape, Lucity AutoID, FacilityID
- Each feature class can be assigned to multiple aliases, but each alias must be assigned to only one feature class.

To run the Lucity Alias Import:

1. In ArcMap, prior to publishing a map/feature service from the .mxd you will want to run the Alias Import tool. On the Lucity Editor Toolbar click **Alias Import**.



2. You will receive the following prompt confirming that you are about to modify the alias names as they are defined in the Lucity GIS configuration.

Lucity GIS	22
This tool will update the L current map. Validation c are displayed in the Lucity	ucity Alias Names list for each feature class in the hecks are also performed on each feature class. Results Process Log. Are you sure you want to continue
	Yes No Cancel

3. The results are displayed in the Lucity process log.



Create Base Map Thumbnails

The Base Map tool in the Lucity web map allows users to switch what base map should be displayed in the map. This tool also provides the ability to display a small thumbnail image to help the user determine what data is represented in the base map. This is not required to use the Base Map tool, it is just adds that little bit of additional information in describing the base map.

To create a basemap thumbnail:

- 1. In ArcMap, open the .mxd that was used to publish the cached map service and capture screenshot within the Map Document window.
- 2. Resize the screen captured image to be 200 x 133 pixels. This is the recommended size.

Resize Image	••
Pixel Dimensions	
Width:	200 🚔 pixels
Height:	133 🚔 pixels
Print Dimensions	
Units:	Inches 💌
Width:	2.08 📄 inches
Height:	1.39 🚔 inches
Image Detail	
Resolution:	96 📄 DPI (Dots Per Inch)
Use resampling	settings
	OK Cancel

- 3. Save the image as a PNG and name the image the same name as the map service into inetpub\wwwroot\LucityWeb\ClientBin\GIS\BaseMapThumbnails
- 4. Afterwards, you should see the new thumbnail when referencing the basemap.



GIS Administration for Web and Mobile Maps (v2017)

Troubleshooting Techniques

In many cases when dealing with multiple solutions, troubleshooting can be somewhat of an issue. If experiencing issues or problems with the Lucity software, you can always contact Lucity support. However, there are a few things to check if you would like to troubleshoot issues on your own.

Clear Lucity caches

After changing GIS settings in Lucity that are used by the Lucity web maps, you should clear the Lucity caches. The following are some GIS changes that may require a clearing of the Lucity caches:

- Any change to feature class or field mappings made in the Lucity Geodatabase Configuration tool in ArcCatalog.
- Alias changes made by the Lucity Alias Import tool in ArcMap.
- System setting changes made in Lucity UI Admin tool.
- Changes to map/feature services and map setup templates made in Lucity UI Admin tool.

If you made a change to one of the above items, yet the change doesn't seem to have taken in the web map, then you should clear the Lucity cache to try and resolve the issue.

The following are the steps needed to clear the Lucity caches:

1. In the Lucity Administration tool click on System>>Clear All Site Caches...



Notes:_

2. The following dialog will appear. To ensure all the GIS caches are cleared, simply click **Clear all Caches**.

🔏 Clear All Caches 🛛 🕰
Clear Caches Click to clear all caches on all web servers. This will clear caches on the internal web app, citizen web app, and web apps for mobile devices.
Clear All Caches
Restart Applications
Restart Internal Web Apps
Restart Citizen Web App
Restart Mobile Web Apps
* It could take up to a minute for the selected app to restart. *
Refresh Custom Reports
Refresh Custom Reports
This will force all custom reports to be re-downloaded from the Document Server

3. Close out of UI Admin and reopen the Lucity web map to confirm your changes have taken.

Notes:_____

Clear Browser cache

If you changed the GIS settings in Lucity that are used by the Lucity web maps and you cleared the Lucity cache, but the changes still haven't taken in the web map, you may need to try and clear your browser cache.

Obviously, how to clear your browser cache depends on which web browser you are using. Below are some examples for the common browsers:

For Chrome:

1. Close out of the Lucity web map, go to Settings>>Tools>>Clear browsing data...

	_		☆ 🖸 🙆 🏊 🗉
		New tab	Ctrl+T
	1	New window	1 Ctrl+N
		New incognito window	Ctrl+Shift+N
		Bookmarks	►
		Recent Tabs	►.
		Edit	Cut Copy Paste
		Zoom	- 100% + []]
		Save page as	Ctrl+S
		Find	Ctrl+F
		Print	Ctrl+P
Create application shortcuts		Tools	•
Extensions		History	Ctrl+H
Task manager	Shift+Esc	Downloads	Ctrl+J
Clear browsing data	Ctrl+Shift+Del	Signed in as	
Report an issue	hift+1		
	3	Settings	
Encoding		About Google Chrome	1

2. On the Clear browsing data form be sure that the **Cached images and files** option is checked. Click **Clear browsing data**.



For IE:

 Close out of the Lucity web map, go to Settings>>Safety>>Delete browsing history...

lete Browsing H	listory			23
Preserve Fa	vorites websit	e data		
Keep cookies websites to re	and temporary Ir etain preferences	nternet files that en and display faster.	able your favo	orite
Temporary	Internet files a	and website files	4	
viewing.	opages, mages,	and media that are s	aved for fast	er
Cookies and	l website data			
Files or datab preferences o	ases stored on y or improve websit	our computer by we e performance.	bsites to save	
History				
LIST OF WEDSIT	es you nave visit	ea.		
Download H	istory			
List of files yo	u have download	led.		
🗖 Form data				
Saved inform	ation that you ha	ve typed into forms		
Passwords				
Saved passw to a website	ords that are aut /ou've previously	omatically filled in w visited.	nen you sign ir	n
Tracking Pr	otection, Activ	eX Filtering and D	o Not Track	
A list of webs Protection to	ites excluded fro detect where site	m filtering, data use es might automatical	d by Tracking ly be sharing (details
about your vi	sit, and exception	ns to Do Not Track r	equests.	
About deleting b	rowsing history	Delete	Cance	

		0-Q	🥑 Bla	ank Page 🛛 🗙 👔) 🚖 🗱
3				Print File 1 Zoom (100%)	r
De	elete browsing history	Ctrl+Shift+Del		Safety	×
Inl Tu Tu W	Private Browsing um on Tracking Protection um off Do Not Track requests ttiveX Filtering ebpage privacy policy	Ctrl+Shift+P		Add site to Start menu View downloads Manage add-ons F12 Developer Tools Go to pinned sites	Ctrl+J 2
Check this website Turn off SmartScreen Filter Report unsafe website			Compatibility View settings Report website problems Internet options About Internet Explorer	_	

2. On the Delete Browsing History form be sure that the **Temporary Internet files and website files** option is checked. Click **Delete**.

Notes:_____

Clear Local Application Storage

The Lucity web map saves some user settings locally in the Silverlight Application Storage. Although, these settings are saved automatically and are updated during normal Lucity web map usage, it is possible that a corrupt setting is causing abnormal behavior with the web map. The following are the current Lucity GIS settings stored in the Silverlight Application Storage:

- Default web map
- Default map extent
- Default selection tool
- Work order view or edit prompt
- Visible layers
- Non-Selectable layers
- Display preferences (custom setting name, main selection color, secondary selection color, revert to pan option).
- Suppress print instructions

The following are the steps needed to delete the Lucity settings from the Silverlight Application Storage:

1. Browse to the Lucity web map, right-click in the map and select Silverlight.



2. The Microsoft Silverlight Configuration form will appear. Go to the Application Storage tab.



3. On the Application Storage tab, select the Lucity web map site. If you are unsure of the web site, check the URL to the Lucity web map. Click **Delete**.

	<u> </u>		
Microsoft Silverlight Configuration			x
bout Updates Playback Webcam / Mic Permissions	Application Storage]	
The following Web sites are currently using application sto More information	orage on your comput	er.	
Web site	Current (MB)	Quota (MB)	
http://gbams-dev-01/	0.0	1.0	
ttp://gbams-vm-2003-1/	0.0	1.0	
p://gbams-vm-2008r2/	0.0	1.0	
http://lct-w2008r2-01/	0.0	1.0	
http://localhost:2295/	0.0	1.0	
http://resources.arcgis.com/	0.0	1.0	
http://serverapps.esri.com/	0.0	1.0	
Enable application storage	Delete	e Delete	all

4. Reopen the Lucity web map page for the page to be loaded with no user defaults.

Notes:	 		
		·····	

Check Lucity Web Map Log

The majority of the Lucity web map tools if encountered an error will display a message to the user to check the Lucity log for further details. The log may contain additional details to help explain the issue and can be helpful to Lucity support if assisting with troubleshooting.

Error log

The following are the steps needed to access the Lucity web map error log:

1. In the Lucity web map click the Lucity log button.



2. You will receive the following prompt in which you should check Log and click OK.

💿 Log	
Feature Layer Details	
Cancel	ОК

3. The log window will appear. You have the option to Copy the contents which is helpful when providing the information to Lucity support.



Feature Layer Details

The Lucity web map log also provides a tool to verify which layers in the map are integrated with a Lucity module. This is helpful when troubleshooting issues involving layers in the map. Some web map tools only work on Lucity linked layers, so the Feature Layer Details log will help verify what those layers are.

The following are the steps needed to access the Lucity feature layer details log:

1. In the Lucity web map click the Lucity log button.



2. You will receive the following prompt in which you should check **Feature Layer Details** and click **OK**.

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- 3. The log window will appear. You have the option to Copy the contents which is helpful when providing the information to Lucity support.
 - Note: Only layers that have been recognized as being linked to Lucity will be listed. It provides the layer index, the Lucity inventory type with description, and information regarding linking fields.
 - The most common reason why a layer isn't listed is because the layer's alias has not been properly defined in Lucity.



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