

Components of ArcGIS URLs

 enterprise.arcgis.com/en/server/latest/deploy/windows/components-of-arcgis-urls.htm

Uniform resource locators (URLs) are the addresses used to identify websites. Some parts of ArcGIS URLs represent variable values for which you provide the information specific to your site. Other parts of ArcGIS URLs are constants; they are always the same for a particular type of website. For example, ArcGIS Server Manager URLs always contain the word manager.

The information in this page helps you determine what parts of an ArcGIS URL you must change to reflect the correct information for your organization.

ArcGIS Server administrative URLs

Use ArcGIS Server Manager for most administrative tasks for your ArcGIS Server site; however, some administrative tasks are done with the ArcGIS Server Administrator Directory.

ArcGIS Server Manager

ArcGIS Server Manager is the primary management tool for your ArcGIS Server site.

If you use a port number to access Server Manager, you'll connect to Server Manager with a URL in one of the following formats:

`http://gisserver.domain.com:6080/arcgis/manager`

or

`https://gisserver.domain.com:6443/arcgis/manager`

URL component	Description
gisserver	The server name where ArcGIS Server is installed.
domain.com	Your domain name.
6080	The port through which ArcGIS Server communicates.
or	If using HTTP communication with ArcGIS Server, the port number is 6080.
6443	If using HTTPS communication with ArcGIS Server, the port number is 6443.
arcgis	Constant.
manager	Constant.

If you access Server Manager through ArcGIS Web Adaptor, the URL resembles the following:

`http://webadaptorhost.domain.com/webadaptorname/manager`

or

`https://webadaptorhost.domain.com/webadaptorname/manager`

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.

URL component	Description
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
manager	Constant.

If you have a multiple-machine ArcGIS Server deployment that uses a third-party load balancer, the URL you use to access Server Manager would be in the following format:

`https://loadbalancerhost.domain.com/loadbalancename/manager`

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name; you specify that when configuring the load balancer.
manager	Constant.

ArcGIS Server Administrator Directory

Connect to the ArcGIS Server Administrator Directory to write administrative scripts for ArcGIS Server, or to create a geometry or search service.

In most cases, you will connect to the ArcGIS Server Administrator Directory using a URL that contains a port number. By default, administrator access is blocked through ArcGIS Web Adaptor; therefore, the URL to the Administrator Directory is in one of the following formats:

`http://gisserver.domain.com:6080/arcgis/admin`

or

`https://gisserver.domain.com:6443/arcgis/admin`

URL component	Description
gisserver	The server name where ArcGIS Server is installed.
domain.com	Your domain name.
6080	The port through which ArcGIS Server communicates.
or	If using HTTP communication with ArcGIS Server, the port number is 6080.
6443	If using HTTPS communication with ArcGIS Server, the port number is 6443.
arcgis	Constant.
admin	Constant.

The URL for the Administrator Directory is in the following formats only when the server administrator has granted administrative access through ArcGIS Web Adaptor:

`http://webadaptorhost.domain.com/webadaptorname/admin`

or

`https://webadaptorhost.domain.com/webadaptorname/admin`

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
admin	Constant.

If you have a multiple-machine ArcGIS Server deployment that uses a third-party load balancer, the URL you use to access the Administrator Directory would be in the following format:

`https://loadbalancerhost.domain.com/loadbalancename/admin`

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name, which you specify when configuring the load balancer.
admin	Constant.

ArcGIS Server administrator and publisher connections

ArcGIS Server administrators can connect to their ArcGIS Server site from ArcMap or ArcGIS Pro to perform a subset of server management tasks such as registering a database and managing directories and log files.

Publishers also connect to their ArcGIS Server site from ArcMap. Though publisher connections do not have all the functionality of an administrator connection, they do require elevated privileges as compared to a user connection to allow them to publish services and register databases.

The URL you provide to make an administrator or publisher connection to ArcGIS Server in ArcMap or ArcGIS Pro depends on whether administrative access is allowed through ArcGIS Web Adaptor. In versions earlier than 10.6, this was disabled by default but could be enabled; in 10.6 and later, it is enabled by default but can be disabled.

If administrative access to ArcGIS Server through ArcGIS Web Adaptor is disabled, the URL you'll use to connect to the server contains a port number. The URL is in one of the following formats:

`http://gisserver.domain.com:6080/arcgis`

or

`https://gisserver.domain.com:6443/arcgis`

URL component	Description
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gisserver	The server name where ArcGIS Server is installed.
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domain.com	Your domain name.
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6080	The port through which ArcGIS Server communicates.
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or	If using HTTP communication with ArcGIS Server, the port number is 6080.
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6443	If using HTTPS communication with ArcGIS Server, the port number is 6443.
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arcgis	Constant.
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If administrative access is allowed through ArcGIS Web Adaptor, the URL for an ArcGIS Server administrator connection will be in the following formats:

`http://webadaptorhost.domain.com/webadaptorname`

or

`https://webadaptorhost.domain.com/webadaptorname`

URL component	Description
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webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
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domain.com	Your domain name.
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webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
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If you have a multiple-machine ArcGIS Server deployment that uses a third-party load balancer, the URL you use to access ArcGIS Server would be in the following format:

`https://loadbalancerhost.domain.com/loadbalancename`

URL component	Description
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loadbalancerhost	The server name where the third-party load balancer is installed.
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domain.com	Your domain name.
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loadbalancename	The web context name; you specify that when configuring the load balancer.
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ArcGIS Server end user URLs

Nonadministrators, such as developers or end users, might also connect to the ArcGIS Server Services Directory to write apps or browse the server. They can connect to the ArcGIS Server Services Directory or to a particular service by including the location, name, and service type in the URL.

ArcGIS Server Services Directory

The ArcGIS Server Services Directory provides you a view of the REST services available through your server.

In most cases, connect to the ArcGIS REST Services Directory using a URL that contains a port number. The URL is in one of the following formats:

`http://gisserver.domain.com:6080/arcgis/rest`

or

`https://gisserver.domain.com:6443/arcgis/rest`

URL component	Description
gisserver	The server name where ArcGIS Server is installed.
domain.com	Your domain name.
6080	If using HTTP communication with ArcGIS Server, the port number is 6080.
or	If using HTTPS communication with ArcGIS Server, the port number is 6443.
6443	
arcgis	Constant.
rest	Constant.

ArcGIS Server user connections

People who consume services in ArcMap or ArcGIS Pro (rather than publish or administer them) use an ArcGIS Server user connection to access the services. For example, you make a user connection to add a map service as a base layer or edit through a feature service in ArcMap or ArcGIS Pro.

When making an ArcGIS Server user connection through a port, the URL is in one of the following formats:

`http://gisserver.domain.com:6080/arcgis/services`

or

`https://gisserver.domain.com:6443/arcgis/services`

URL component	Description
gisserver	The server name where ArcGIS Server is installed.
domain.com	Your domain name.
6080	If using HTTP communication with ArcGIS Server, the port number is 6080.
or	If using HTTPS communication with ArcGIS Server, the port number is 6443.
6443	
arcgis	Constant.
services	Constant.

If ArcGIS Server is configured with ArcGIS Web Adaptor, the URL is in one of the following formats:

http://webadaptorhost.domain.com/webadaptorname/services

or

https://webadaptorhost.domain.com/webadaptorname/services

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
services	Constant.

If you have a multiple-machine ArcGIS Server deployment that uses a third-party load balancer, the URL you use to access ArcGIS Server through a user connection would be in the following format:

https://loadbalancerhost.domain.com/loadbalancename/services

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name; you specify that when configuring the load balancer.
services	Constant.

ArcGIS services

When you connect directly to a service through a URL, include the location, name, and service type.

When you connect to the service through a port, the URL is in one of the following formats:

http://gisserver.domain.com:6080/arcgis/rest/services/folder/service/MapServer

or

https://gisserver.domain.com:6443/arcgis/rest/services/folder/service/MapServer

URL component	Description
gisserver	The server name where ArcGIS Server is installed.
domain.com	Your domain name.

URL component	Description
6080	If using HTTP communication with ArcGIS Server, the port number is 6080.
or	If using HTTPS communication with ArcGIS Server, the port number is 6443.
6443	
arcgis	Constant.
rest	Constant. Note: The rest constant is not used in OGC service URLs. These include WMS, WMTS, WCS, WFS, and WPS services. The following is an example URL for a WMS service: https://gisserver.domain.com/arcgis/services/folder/service/MapServer/WMSServer
services	Constant.
folder	The ArcGIS Server folder name where the service is stored. If the service is stored in the root folder and not a subfolder, leave out this part of the URL. The following is an example of a URL for a service stored in the root folder: https://gisserver.domain.com:6443/arcgis/rest/services/service/MapServer
service	The service name.
MapServer	The service type; see the REST service values table at the end of this section for possible values.

If ArcGIS Server is configured with ArcGIS Web Adaptor, the URL is in one of the following formats:

<http://webadaptorhost.domain.com/webadaptorname/rest/services/folder/service/MapServer>

or

<https://webadaptorhost.domain.com/webadaptorname/rest/services/folder/service/MapServer>

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
rest	Constant. Note: The rest constant is not used in OGC service URLs. These include WMS, WMTS, WCS, WFS, and WPS services. The following is an example URL for a WMS service: https://webadaptorhost.domain.com/webadaptorname/services/folder/service/MapServer/WMSServer

URL component	Description
services	Constant.
folder	<p>The ArcGIS Server folder name where the service is stored.</p> <p>If the service is stored in the root folder and not a subfolder, leave out this part of the URL. The following is an example of a URL for a service stored in the root folder:</p> <p>https://webadaptorhost.domain.com/webadaptorname/rest/services/service/MapServer</p>
service	The service name.
MapServer	The service type; see the REST service values table at the end of this section for possible values.

If you have a multiple-machine ArcGIS Server deployment that uses a third-party load balancer, the URL you use to access ArcGIS Server through a user connection would be in the following format:

https://loadbalancerhost.domain.com/loadbalancename/rest/services/folder/service/MapServer

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name; you specify that when configuring the load balancer.
rest	<p>Constant.</p> <p>Note:</p> <p>The rest constant is not used in OGC service URLs. These include WMS, WMTS, WCS, WFS, and WPS services. The following is an example URL for a WMS service:</p> <p>https://loadbalancerhost.domain.com/loadbalancename/services/folder/service/MapServer/WMServer</p>
services	Constant.
folder	<p>The ArcGIS Server folder name where the service is stored.</p> <p>If the service is stored in the root folder and not a subfolder, leave out this part of the URL. The following is an example of a URL for a service stored in the root folder:</p> <p>https://loadbalancerhost.domain.com/loadbalancename/rest/services/service/MapServer</p>
service	The service name.
MapServer	The service type; see the REST service values table at the end of this section for possible values.

REST service values

Service type	Valid REST service value
Big data catalog	BigDataCatalogServer

Service type	Valid REST service value
Feature	FeatureServer
Geocode	GeocodeServer
Geodata	GeoDataServer
Geoprocessing	GPServer
Image	ImageServer
KML	MapServer/kml ImageServer/kml
Map	MapServer
Network diagram	NetworkDiagramServer
Route	NAServer
Scene	SceneServer
Schematics	SchematicsServer
Search	SearchServer
Stream	StreamServer
Utility network	UtilityNetworkServer
Validation	ValidationServer
Version management	VersionManagementServer
WCS	MapServer/WCSServer ImageServer/WCSServer GeoDataServer/WCSServer
WFS	MapServer/WFSServer GeoDataServer/WFSServer
WMS	MapServer/WMSServer ImageServer/WMSServer

Service type	Valid REST service value
WMTS	MapServer/WMTSServer
	ImageServer/WMTSServer
Workflow Manager	WMServer
WPS	GPServer/WPSServer

ArcGIS Online URLs

Access the ArcGIS Online home page to sign in to ArcGIS Online.

If you are signing in to a public account or an organizational account that uses ArcGIS.com authentication, the URL is a constant value:

<https://www.arcgis.com/home>

If you are signing in to an organizational account that uses enterprise security methods implemented in your organization, such as LDAP or Windows Active Directory, the URL is in the following format:

<https://organization.maps.arcgis.com/home>

URL component	Description
organization	Your organization name
maps.arcgis.com	Constant
home	Constant

Portal for ArcGIS URLs

The URLs used to connect to Portal for ArcGIS must always include fully qualified server names. End users of the portal connect with a URL that includes the ArcGIS Web Adaptor name or load balancer name and a host name. Only administrators should use URLs that include the name of the portal's server. The following sections describe the different URLs for your portal.

Portal for ArcGIS

The URL you provide during configuration of Portal for ArcGIS with ArcGIS Web Adaptor includes the port through which Portal for ArcGIS communicates. This is nearly the only time that this URL is used.

<http://portal.domain.com:7080>

or

<https://portal.domain.com:7443>

URL component	Description
portal	The server name where Portal for ArcGIS is installed.
domain.com	Your domain name.

URL component	Description
7080	The port through which Portal for ArcGIS communicates.
or	If using HTTP communication with Portal for ArcGIS, the port number is 7080.
7443	If using HTTPS communication with Portal for ArcGIS, the port number is 7443.

Portal for ArcGIS home page

The Portal for ArcGIS home page URL goes to the main page of the portal. From here, you can sign in to the portal. In most cases, you'll use ArcGIS Web Adaptor with Portal for ArcGIS, and the home page includes the ArcGIS Web Adaptor name and host name.

`http://webadaptorhost.domain.com/webadaptorname/home`

or

`https://webadaptorhost.domain.com/webadaptorname/home`

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; <code>arcgis</code> is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
home	Constant.

If you have a highly available portal accessed through a third-party load balancer, the URL you use to access the portal home page will include the load balancer machine name and web context, as shown in this example URL:

`https://loadbalancerhost.domain.com/loadbalancename/home`

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name, which you specify when configuring the load balancer.
home	Constant.

Portal for ArcGIS REST endpoint

Connect to the Portal for ArcGIS REST endpoint to work with the portal programmatically.

Connect to the Portal for ArcGIS REST endpoint using a URL that contains a port number or through ArcGIS Web Adaptor.

`http://portal.domain.com:7080/arcgis/sharing/rest`

or

https://portal.domain.com:7443/arcgis/sharing/rest

URL component	Description
portal	The server name where Portal for ArcGIS is installed.
domain.com	Your domain name.
7080	The port through which Portal for ArcGIS communicates.
or	If using HTTP communication with Portal for ArcGIS, the port number is 7080.
7443	If using HTTPS communication with Portal for ArcGIS, the port number is 7443.
arcgis	Constant.
sharing	Constant.
rest	Constant.

If you connect through ArcGIS Web Adaptor, the URL is in one of the following formats:

http://webadaptorhost.domain.com/webadaptorname/sharing/rest

or

https://webadaptorhost.domain.com/webadaptorname/sharing/rest

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
sharing	Constant.
rest	Constant.

If you have a highly available portal accessed through a third-party load balancer, the URL you use to access the portal REST endpoint will include the load balancer machine name and web context, as shown in this example URL:

https://loadbalancerhost.domain.com/loadbalancename/sharing/rest

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name; you specify that when configuring the load balancer.

URL component	Description
sharing	Constant.
rest	Constant.

ArcGIS Portal Administrator Directory

Administrators of the organization can sign in to the ArcGIS Portal Administrator Directory to perform specific portal administration tasks, such as unregistering ArcGIS Web Adaptor or adding Integrated Windows Authentication logins to the portal.

Connect to the ArcGIS Portal Administrator Directory using a URL that contains a port number or through ArcGIS Web Adaptor.

<http://portal.domain.com:7080/arcgis/portaladmin>

or

<https://portal.domain.com:7443/arcgis/portaladmin>

URL component	Description
portal	The server name where Portal for ArcGIS is installed.
domain.com	Your domain name.
7080	The port through which Portal for ArcGIS communicates.
or	If using HTTP communication with Portal for ArcGIS, the port number is 7080.
7443	If using HTTPS communication with Portal for ArcGIS, the port number is 7443.
arcgis	Constant.
portaladmin	Constant.

If you connect through ArcGIS Web Adaptor, the URL is in one of the following formats:

<http://webadaptorhost.domain.com/webadaptorname/portaladmin>

or

<https://webadaptorhost.domain.com/webadaptorname/portaladmin>

URL component	Description
webadaptorhost	The server name where ArcGIS Web Adaptor is installed.
domain.com	Your domain name.
webadaptorname	The name of your ArcGIS Web Adaptor; arcgis is the default name, but you may have used a different name when you installed ArcGIS Web Adaptor.
portaladmin	Constant.

If you have a highly available portal accessed through a third-party load balancer, the URL you use to access the ArcGIS Portal Administrator Directory will include the load balancer machine name and web context, as shown in this example URL:

https://loadbalancerhost.domain.com/loadbalancename/portaladmin

URL component	Description
loadbalancerhost	The server name where the third-party load balancer is installed.
domain.com	Your domain name.
loadbalancename	The web context name, which you specify when configuring the load balancer.
portaladmin	Constant.

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