HowTo: Create an ArcGIS.com Web map using URL parameters

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Software: ArcGIS Online 1.0
Platforms: N/A

Summary
Instructions provided describe how to create an ArcGIS.com Web map using parameters within a URL.

Procedure
An ArcGIS.com Web map is composed of certain URL parameters. The URL always begins with:

http://www.arcgis.com/home/webmap/viewer.html?

The URL also includes one or more of parameters listed below. To see how each parameter works, click the Live Example link.

To include more than one parameter, use an ampersand (&) to separate the parameters. For example:

http://www.arcgis.com/home/webmap/viewer.html?center=20,45&resolution=9784

To define the basemap used in the viewer, set basemapUrl= to the map service. If a basemap is not defined, the default basemap will be the World Topo Basemap.

For example: Live Example


To define the operational layers that overlay the basemap, use either webmap= or url=.

The webmap parameter accepts the Item ID of a Web Map saved to ArcGIS.com. Live Example

http://www.arcgis.com/home/webmap/viewer.html?webmap=2def3f0c7be74f05af33ac87b8d93ef2.

The url paramter accepts a single service URL. Live Example


To center the map at a particular location, set center= using geographic coordinates (X,Y) or projected coordinates (X,Y,WKID).

Geographic Coordinates Live Example

http://www.arcgis.com/home/webmap/viewer.html?center=20,45

Projected Coordinates Live Example

http://www.arcgis.com/home/webmap/viewer.html?center=500000,5500000,102100
To define the extent of the map, use `extent=`.

The extent parameter accepts geographic coordinates (GCS) as: MinX,MinY,MaxX,MaxY
or projected coordinates (PCS) as: MinX,MinY,MaxX,MaxY,WKID.

**Geographic Coordinates** [Live Example](http://www.arcgis.com/home/webmap/viewer.html?extent=-117.20,34.055,-117.19,34.06)

**Projected Coordinates** [Live Example](http://www.arcgis.com/home/webmap/viewer.html?extent=-13079253.954115,3959110.38566837,-12918205.318785,4086639.70193162,102113)

To define the scale level of the map viewer, use the `center` parameter and `level=`. The level parameter accepts the LevelID of the cache scale as listed in the REST service endpoint.

**Geographic Coordinates** [Live Example](http://www.arcgis.com/home/webmap/viewer.html?center=20.45&level=4)

**Projected Coordinates** [Live Example](http://www.arcgis.com/home/webmap/viewer.html?center=500000,5500000,102100&level=4)

**Related Information**
- [Projection Basics: What the GIS professional needs to know](#)
  The following concepts are fundamental to understanding the use of map projections in ArcGIS. 1. Coordinate systems, also known as map projections, are arbitrary designations for spatial data. Their purpose is to provide a common basis for comm...