



# Implementation Guidelines

## Advanced Identify Widget

Versión 2.0

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## Document information

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<b>Abstract</b>	<i>Document to implement the advanced identify widget</i>		

## Version control

Revisión	Fecha	Autor	Cambios
1.0	29/08/2016	LRG	Document generation
2.0	05/05/2017	XV	Document correction and translation to English language

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## 1. Introduction

### 1.1. Objective

Document contains the information to implement and use the advanced identify widget in a Web application developed with Web AppBuilder for ArcGIS (Developer Edition). Developed for NASUVINSA by ESRI Spain

## 2. About the widget

### 2.1. Welcome message in the widget panel

There is a message to avoid an empty panel at widget startup. I.e. “Click over the map to identify features”. The configuration of this message is in the file string.js within folders “.\IdentificacionAvanzada\nls” and “.\IdentificacionAvanzada\nls\es” property “mensajeInicial”.

### 2.2. Widget configuration

- **radioidentificacionPoligonos:** radius of polygons to identify in meters
- **factorPaddingIdentificacionPuntosLineas:** used to identify lines and points. A value of 3 should be enough.
- **serviciosAIdentificar:** Array with the Web services to be used by the widget.
- Configuration to identify an ArcGIS service:
  - **id:** unique identifier of the service for internal use of the Widget
  - **idWebMap:** layer identifier in the WebMap
  - **camposServicio:** array of field names to get from the service. If the array only contains “\*”, it will get all the fields.

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Example:

```
{
  "id": "SIUN",
  "idWebMap": "cAAE_SIUN_266",
  "camposServicio": [
    "DESCRIPCION",
    "CODIGO_CNAE",
    "MUNICIPIO",
    "FechaAltaDENA"
  ]
}
```

- **informacionCatastro:** information needed to query a WFS (Navarre cadastre in the example) and link with a webpage related to the specific feature in that place. NOTE: this widget gets the identifier in the WFS service and uses it to build the URL that will be shown to the user in the panel, so that it can get the proper webpage that relates to a specific feature. At this version, the URL construction is static and fixed for Navarre Cadastral System. It might be modified to allow any URL.

- **servicioWFS:** URL of the WFS service

Example:

- **sistemaReferencia:** WKID (Well Known ID) of the WFS service
- **crs:** crs (Coordinate Reference System) of the WFS service, obtained from the service capabilities

```
<wfs:FeatureTypeList>
  <wfs:FeatureType xmlns:IDENA="http://sitna.navarra.es/idena">
    <wfs:Name>IDENA:CATAST_Pol_ParcelaUrba</wfs:Name>
    <wfs:Title>Parcelas urbanas</wfs:Title>
    <wfs:Abstract>
      Delimitación de las parcelas urbanas ...
    </wfs:Abstract>
    <ows:Keywords>
      <ows:Keyword>CATAST_Pol_ParcelaUrba</ows:Keyword>
      <ows:Keyword>features</ows:Keyword>
    </ows:Keywords>
    <wfs:DefaultCRS>urn:ogc:def:crs:EPSG::25830</wfs:DefaultCRS>
    . . .
  </wfs:FeatureType>
</wfs:FeatureTypeList>
```

- **capasWFSParcelas:** array with the name of the parcel layers

Example:

```
"informacionCatastro": {
  "servicioWFS": "http://idena.navarra.es/ogc/wfs",
  "sistemaReferencia": 25830,
  "crs": "urn:ogc:def:crs:EPSG::25830",
  "capasWFSParcelas": [
    "IDENA:CATAST_Pol_ParcelaUrba",
  ]
}
```

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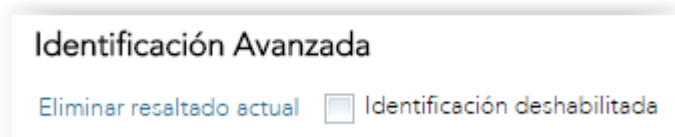
```

    "IDENA:CATAST_Pol_ParcelaRusti",
    "IDENA:CATAST_Pol_ParcelaMixta"
  ],
},

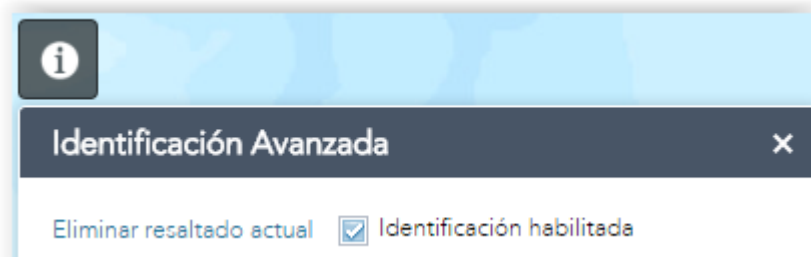
```

- **factorZoomPoligono:** factor to zoom in (“Acercar a”) a feature. It should be above 1.0.
- **ajusteZoomPunto:** used to zoom in (“Acercar a”) a feature.
- **interfazUsuario:** it allows to show the result of the advanced identify in several panels.
- **mostrarTitulo:** boolean property (true or false) that controls if the title within the panel must be shown.

With title: useful when the widget is used in the left panel of the theme Jewelry Box in WAB, as the title is not shown in the panel header.



Without title: useful when the title is already shown in the header of the widget.



- **mostrarCheckBoxHabilitarIdentificacion:** boolean property (true or false) to control if the checkbox that enables and disables the identification should be shown.
- **textoValorNull:** text to show instead of null values.
- **paneles:** array with the configuration of each widget panel
- Configuration of a panel:
  - **titulo:** title of the panel
  - **abiertoInicialmente:** boolean property to control if the panel should be displayed after an identification.
  - **serviciosGIS:** services to use within the panel

### Implementation of Advanced Identify Widget

- Configuration of a service to show in a panel:
  - **id**: unique identifier of the service. It must match with the **id** property of the related service according to the *serviciosAIdentificar* property.
  - **resaltarTodos**: boolean property to control if all the identified elements should be highlighted
  - **tieneImágenes**: boolean property to use attachments (in case they exist). It is an optional property, default is *false*.
  - **informacionCatastroAsociada**: boolean property to state if there is associated information in an external website. It is an optional property, default is *false*.
  - **campos**: array with the field names in the service that should be shown in the panel

Configuration of a field:

- **campo**: field name. This name must appear in the *camposServicio* property of the related service according to the *serviciosAIdentificar* property.
- **formato**: field format. Optional property. Three compatible formats:

- Date field: formats in <http://www.unicode.org/reports/tr35/tr35-dates.html#Contents>

Example:

```
"formato": "dd/MM/yyyy HH:mm:ss"
```

- Numeric field: formats in [http://www.unicode.org/reports/tr35/#Number\\_Format\\_Patterns](http://www.unicode.org/reports/tr35/#Number_Format_Patterns)

Example:

```
"formato": "#,##0.##"
```

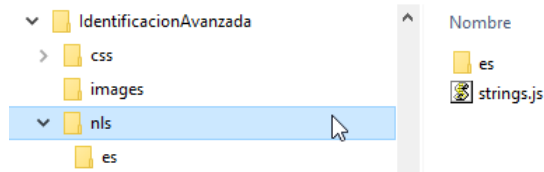
- Text field with a URL: the value will be “link”

Ejemplo:

```
"formato": "link"
```

## 2.3. Messages in several languages

Texts in the widget are stored in language folders, currently the default language and Spanish.



This link explains how to add more language options. <https://developers.arcgis.com/web-appbuilder/guide/add-i18n-support.htm>

## 2.4. Styles in CSS file

File “.\css\style.css” contains the styles used by the widget.

- Title style:

Identificación Avanzada

“.titulo”

- Style of tools: Remove Current Highlighted (eliminar resaltado actual) and Enable/Disable Identify (habilitar/deshabilitar identificación):

Eliminar resaltado actual  Identificación habilitada

“.toolsCabecera”, “.toolsCabecera td”, “.checkIdentificar”, “.eliminarResaltadoActual”, “.eliminarResaltadoActual .enlaceEliminarResaltadoActual”, “.eliminarResaltadoActual .enlaceEliminarResaltadoActual:hover”

- Style of attached images in a GIS service:

“.divImagenes”, “.divImagenes .imagen”

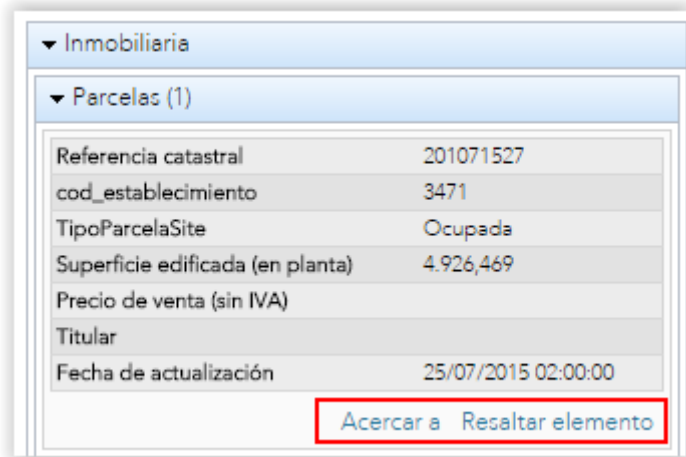
- Style of fields with a hyperlink:



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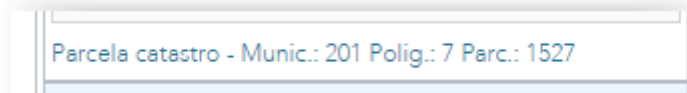
".enlaceValorCampo", ".enlaceValorCampo:hover"

- Style of tools : Zoom in (“Acercar a”) and highlight element



".divEnlaceZoomResaltar", ".divEnlaceZoomResaltar .enlaceResaltar", ".divEnlaceZoomResaltar .enlaceResaltar:hover", ".divEnlaceZoomResaltar .enlaceZoom", ".divEnlaceZoomResaltar .enlaceZoom:hover"

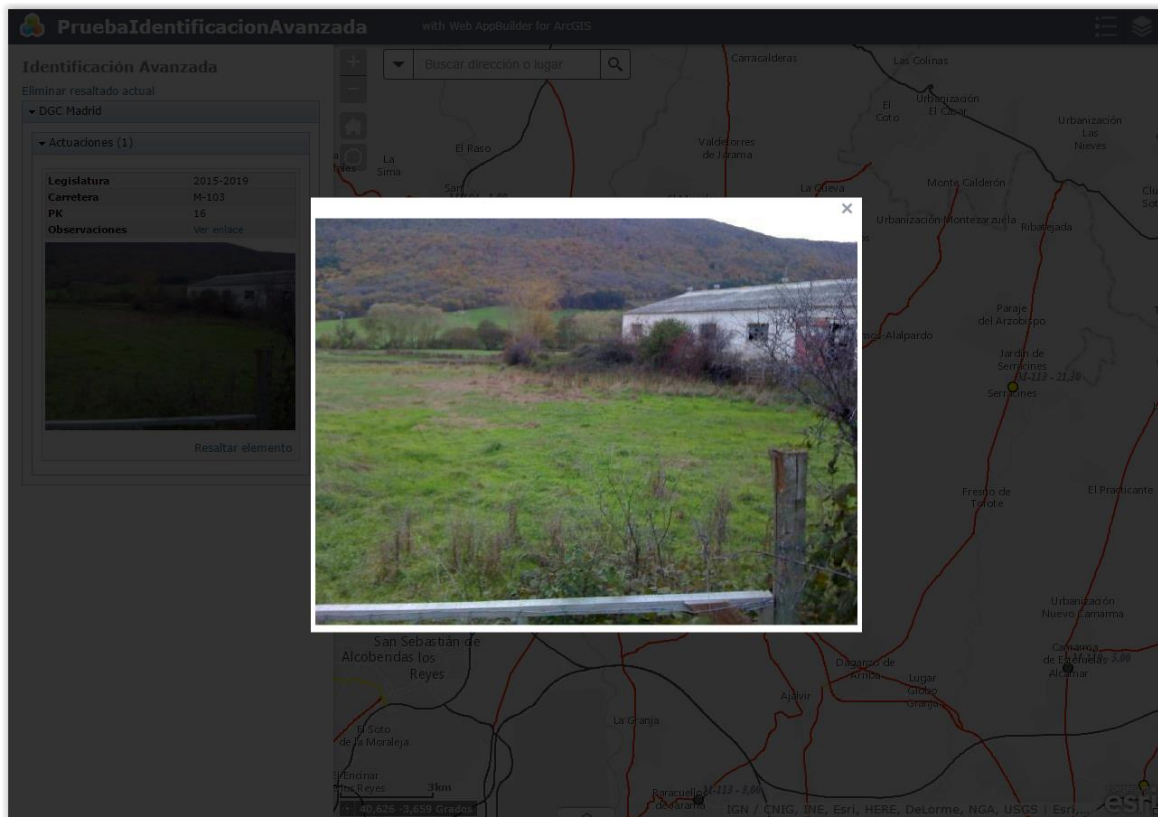
- Style of link to external webpage (informacionCatastro):



".infoCatastro", ".infoCatastro .obteniendoInfoCatastro", ".infoCatastro .sinInfoCatastro", ".infoCatastro .divEnlaceInfoCat", ".infoCatastro .enlaceInfoCat", ".infoCatastro .enlaceInfoCat:hover"

- Style of modal popup to enlarge an image:

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".overlayImgAmpliada", ".divContenedorImgAmpliada", ".divImgAmpliada", ".divCerrarImgAmpliada", ".divCerrarImgAmpliada:hover", ".imgAmpliada"

Icon ".\css\images\close.png" is used to close the modal window.

- Style of tables to show attributes of an identified feature:

Referencia catastral	201071527
cod_establecimiento	3471
TipoParcelaSite	Ocupada
Superficie edificada (en planta)	4.926,469
Precio de venta (sin IVA)	
Titular	
Fecha de actualización	25/07/2015 02:00:00

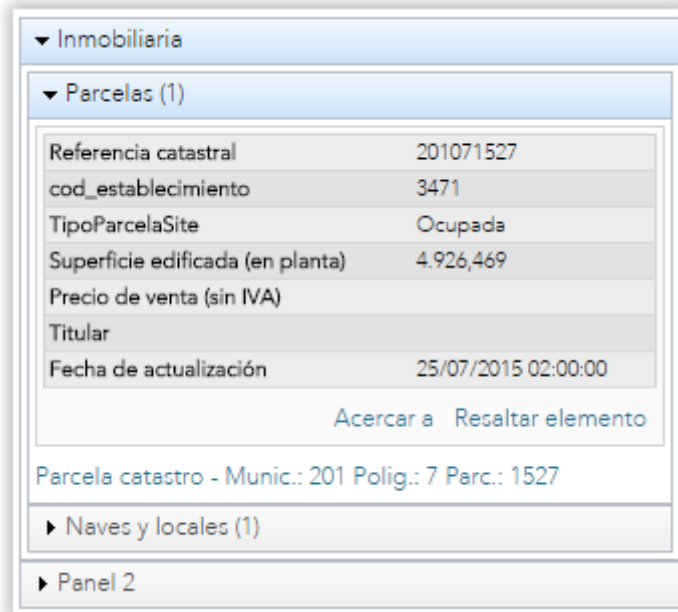
".jimu-widget-identificacionavanzada .TFtable", ".jimu-widget-identificacionavanzada .TFtable tr", ".jimu-widget-identificacionavanzada .TFtable tr:nth-child(even)", ".jimu-widget-identificacionavanzada .TFtable tr:hover", ".jimu-widget-identificacionavanzada .TFtable td", ".jimu-widget-

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```

identificacionavanzada .TFtable td:nth-child ( 1 )", ".jimu-widget-identificacionavanzada
div.tablaDinamica"
    
```

- Style of foldable panels in dojo:



The section with header “/\* Estilos paneles dojo \*/” includes several style examples of dojo foldable panels (dojo “clear” theme) that might be customized.

## 2.5. Use of the widget with secure WebMaps

Steps to register the Web application that will use this widget with a private WebMap:

1. Log into your ArcGIS Online organization
2. Add an application in “My content”



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The URL of the web application should be included

Aplicación ?

Agrega un elemento a tu ordenador o referencia un elemento en la Web.

Tipo:  Representación cartográfica  Móvil  Escritorio  Aplicación

Propósito:  API:

URL:

Título:

Etiquetas:   
*Agregar etiquetas*

AGREGAR ELEMENTO CANCELAR

3. The application will be registered in advanced configuration

Prueba de identificación avanzada Editar

Descripción general **Uso** avanzada

Editar vista en miniatura



Agregue un breve resumen acerca de este elemento que se mostrará en la lista de resultados de una búsqueda. Editar

de cAAE\_NASUVINSA  
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★ Agregar a favoritos  Web Mapping Application

### Implementation of Advanced Identify Widget

Configuración general Web Mapping Application avanzada

#### Web Mapping Application avanzada

URL

Adjunto de código Adjuntar código

Propósito

API

Registro de aplicación Registrarse

Registra tu aplicación para generar un ID de aplicación. Usa el ID de tu aplicación para permitir que los usuarios inicien sesión en la plataforma (con OAuth 2.0) y recopilar estadísticas de uso.

Add the URL to the Web application in “Redirect URI”

## Registrarse ? X

Tipo de aplicación:

**URI de redireccionamiento:**

<input type="text" value="https://&lt;server&gt;[:port]"/>	Agregar	Eliminar
--	---------	----------

Registrarse Cancelar

Registration generates an application id

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Registro de aplicación

ID de aplicación:

jkigtDkdkKóvv8v

Secreto de aplicación:

[Mostrar secreto](#)

Tipo de aplicación:

Navegador

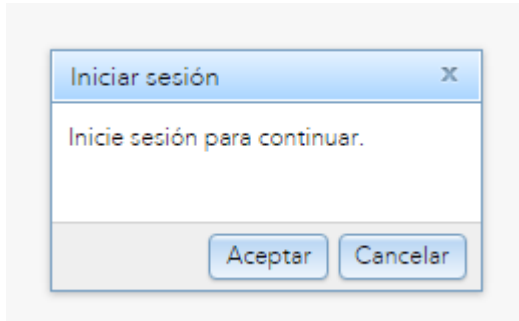
URLs de redireccionamiento:

http://pcsspp14.esri.es/PruIdentificacionAvanzada/

4. Edit file config.json in the application to establish the app id

```
...  
"portalUrl": "http://nasuvinsa.maps.arcgis.com",  
"appId": "XXXXXXXXXXXX",  
"authorizedCrossOriginDomains": [],  
"title": "PruIdentificaciónAvanzada2",  
...
```

5. At startup the application will ask for the login information in the AGOL window



If the user is already logged in, it will appear this other window

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https://nasuvinsa.maps.arcgis.com/sharing/oauth2/approve?oauth\_state=5hgn\_5-6N5svwP4ZSbfmbHhBXZ-A1igbRO...  
https://nasuvinsa.maps.arcgis.com/sharing/oauth2/approve?oauth\_state=5hgn\_5-6N5svwP4ZSbfmbHhBXZ-A

#### Solicitar permiso

CAA\_E\_NASUVINSA

Prueba de identificación avanzada quiere acceder a la información de tu cuenta de ArcGIS Online

APROBAR

NO, GRACIAS

Prueba de identificación avanzada desarrollado por:



Navarra de Suelo y Vivienda, S.A.

Navarra de Suelo y Vivienda (NASUVINSA) es una sociedad pública al servicio de los ciudadanos, dependiente del Departamento de Fomento del Gobierno de Navarra. Tiene por objeto el **desarrollo territorial y urbanístico sostenible de**

Otherwise, it will appear

Iniciar sesión en Navarra de Suelo y Vivienda, S.A. - Google Chrome  
https://nasuvinsa.maps.arcgis.com/sharing/oauth2/authorize?client\_id=jkigtDkdkK6vv8v&response\_type=tc

Prueba de identificación avanzada quiere acceder a la información de tu cuenta de ArcGIS Online

Iniciar sesión en Navarra de Suelo y Vivienda, S.A.

Nombre de usuario

Contraseña

No cerrar sesión

INICIAR SESIÓN

CANCELAR

[¿Olvidaste la contraseña?](#) [¿Has olvidado el nombre de usuario?](#)

Prueba de identificación avanzada desarrollado por:

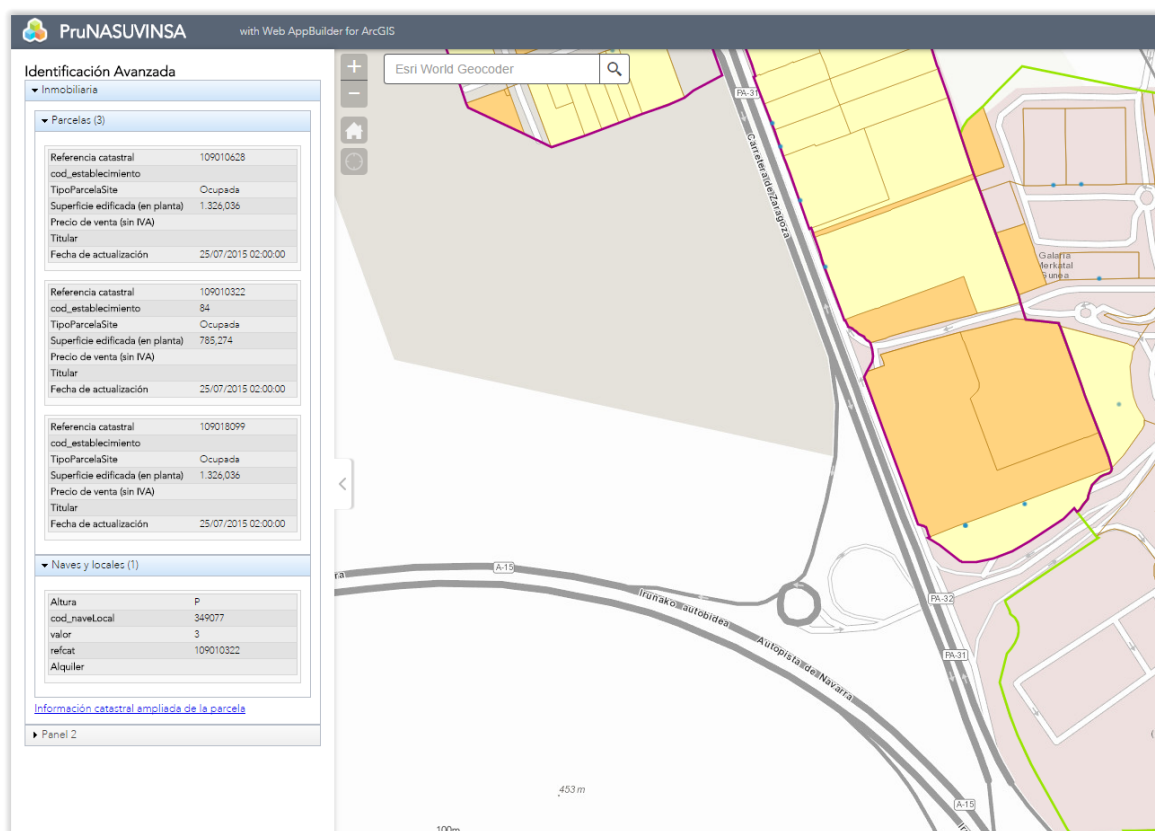


Navarra de Suelo y Vivienda, S.A.

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## 2.6. Widget use

It is advised to use it with the “Jewelry box” WAB theme, left sided panel.



As the application might call a WFS service, ESRI proxy page should be configured in the application by editing the config.json file to avoid **CORS** errors (Cross-origin resource sharing):

```
"httpProxy": {
  "useProxy": true,
  "alwaysUseProxy": false,
  "url": "http://pcsspp14.esri.es/proxy/proxy.ashx",
  "rules": []
}
```

Information about the proxy site:



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[https://developers.arcgis.com/javascript/3/jshelp/ags\\_proxy.html](https://developers.arcgis.com/javascript/3/jshelp/ags_proxy.html)

Github link to download the proxy site for .NET, Java and PHP:

<https://github.com/Esri/resource-proxy>