

## Enhanced Search Widget URL Search Configuration

Version 3.7 – Nov 29, 2014

**There IS a BIG change in how this works as of Version 3.1.1, you must use the parameter `esearch` NOT `search` as the search parameter is now used by ESRI's header search box.**

The configuration file for the enhanced search widget URL Search details the steps for the Enhanced Search widget to be used and execute a search based on a search parameter in the Flex Viewer's URL. There are a couple of things that you should know about this.

1. I work hard to support my code but, I cannot entertain all requests for changes based on one individual's need. I will only consider enhancements that will benefit the whole user community.
2. These changes are (as of 7/27/2011) for the **Flex Viewer 3.0 and greater versions ONLY**.
3. The search will be performed on the first layer and first expression of that layer in your SearchWidget.xml file by default if you do not specify otherwise. In this version you can specify to search any layer and use any predefined expression in your SearchWidget.xml. So here is an example of the layers listed in the SearchWidget.xml:
4. Once the search is run the map will be zoomed to the extent of all the returned results.
5. **NO CODE CHANGES** are necessary to get this to work in the compiled or un-compiled versions.

```
<layer>
  <enableexport>true</enableexport>
  <name>Louisville Zoning</name>
  <url>http://sampleserver1.arcgisonline.com/ArcGIS/rest/services/Louisville/LOJIC_LandRecords_Louisville/MapServer/2</url>
  <expressions>
    <expression alias="Zoning Code" textsearchlabel="Search Zoning Code [ Example: R1 ]:">upper(ZONING_CODE) =
upper('[value]')</expression>
    <expression alias="Zoning Type" textsearchlabel="Search Zoning Type [ Example: RESIDENTIAL ]:">upper(ZONING_TYPE) =
upper('[value]')</expression>
    <expression alias="Zoning Name" textsearchlabel="Search Zoning Name [ Example: RES MULTI-FAMILY ]:">upper(ZONING_NAME) =
upper('[value]')</expression>
  </expressions>
  <graphicalsearchlabel>Use one of the graphical search tools to select Zoning</graphicalsearchlabel>
  <spatialsearchlayer>true</spatialsearchlayer>
  <titlefield>ZONING_NAME</titlefield>
  <linkfield linkprefix="" linksuffix=""></linkfield>
  <icon isfield="true" iconprefix="" iconsuffix=""></icon>
  <fields all="true" />
</layer>
<layer>
  <enableexport>true</enableexport>
  <name>Parcels</name>
  <url>http://sampleserver1.arcgisonline.com/ArcGIS/rest/services/Louisville/LOJIC_LandRecords_Louisville/MapServer/0</url>
  <expressions>
    <expression alias="Parcel ID" textsearchlabel="Search by Parcel ID [ Example: 181001490000 ]:">PARCELID = '[value]')</expression>
  </expressions>
  <graphicalsearchlabel>Use one of the graphical search tools to select parcels</graphicalsearchlabel>
  <spatialsearchlayer>true</spatialsearchlayer>
  <titlefield>PARCELID</titlefield>
  <fields all="false">
    <field name="PARCELID" alias="Parcel Id"/>
  </fields>
  <linkfield></linkfield>
  <icon isfield="true"></icon>
  <zoomscale>40000</zoomscale>
</layer>
```

Louisville Zoning will be searched using this expression "upper(ZONING\_CODE) = upper('[value]')"

## Enhanced Search Widget URL Search Configuration

**EXTREMELY IMPORTANT!!** You must set your enhanced search widget to preload in your main configuration file for this to work. i.e.

```
<widget label="Enhanced Search" left="60" top="350" preload="open"
        icon="assets/images/i_search.png"
        config="widgets/eSearch/SearchWidget.xml"
        url="widgets/eSearch/SearchWidget.swf"/>
```

You cannot expect the search to work if the widget is not already loaded.

To use this capability all you have to do is use a URL like this:

<http://gislap134/FlexViewer2.1/index.html?esearch=R1&slayer=0&exprnum=0&showdatagrid=true>

To clarify (the best I can), in order to use this ability you will add the url param (like above in red) to the url that your application will use to open your flex viewer. If your viewer is accessed by a link on a web page then you just append the url params to that link. If you are access your flex viewer by manually typing the url in a browsers address bar than you will have to manually type the url params as well. If for some reason you still do not understand how this is supposed to work then please contact your IT staff as this is BASIC web application stuff.

### NOTICE VARIBALES ARE lower CASE!

You have to use the parameter **esearch** all lower case unless you changed it to something different in the code. So in the earlier example this query will be run using the above url:

Louisville Zoning will be searched using this expression `upper(ZONING_CODE) = upper("R1")`.

The **slayer** parameter is the number of the layer (beginning with zero) that you have configured in the SearchWidget.xml. This parameter is optional; default is 0 or first layer in the xml.

The **exprnum** parameter is the number of the layer's (beginning with zero) expression that you have configured in the SearchWidget.xml. This parameter is optional; default is 0 or first layer in the xml.

The **showdatagrid** parameter is Boolean (true or false) and is used to automatically show the datagrid if one is configured for the searched layer. This parameter is optional; default is false.