# Identify Widget XML Configuration

Version 3.4.2 – August 28, 2013

Use this widget in App Builder and say good-bye to all your XML configuration issues.

This widget now has full GUI support for App Builder.

**I Can't Stress enough how important it is for you to read the MAJOR changes to the way this widget is configured for version 3.1.2 and greater.**

### Major Changes since 3.1.1

1. The use on the name tag for layers is now just an alias for what you want to appear in the dropdown list and as the title of the identify results. It is no longer required to be the exact name of the layer as specified in the REST Service directory.
2. Each configured layer requires a url tag and an id tag. This is how this new version knows how to match the identify result to a layer that you have configured.
3. The field element name is now the actual field name and **NOT** the alias name of the field as it was in all previous versions.
4. Each excludelayer requires a url tag and an id tag. This is how this new version knows how to match the identify result to a layer that you have configured to be excluded.

### Other Changes since 3.1.1

1. If a link field is null the hyperlink or icon or image will not be included in the results.
2. You can disable the configured layer selection drop down list completely and it will not appear in the widget.
3. You can disable just the All Layers as a choice from the drop down list and force your user to select only one layer at a time for identifying.
4. You can disable popups for result graphics by using enablegraphicclickinfo.
5. ArcGIS Online FeatureServer layers are now supported.
6. Less traffic goes to the server as checks are made to see if layers require identification based on configuration.
7. FeatureLayer types are now using QueryTask instead of trying to change the layer type to a dynamic map service so that the IdentifyTask can be used.
8. Results are sorted in the in map layer order (i.e. the top most layers results are at the top of the results list).
9. Because of the major changes configuring the identifying of Raster layers are now supported.
10. You are warned with a popup if you fail to read these instructions first and do not update your old IdentifyWidget.xml file.

The configuration file for the identify widget allows for the configuration of the identify widget without changes to the source code. Below is a list of the xml elements (tags) and what they do

<identifylayeroption>visible</identifylayeroption>

The identifylayeroption specifies which method to use when using Identify.

- "top": Only the topmost visible layer is identified (for the whole map, not each map service as in previous versions).
- "visible": All visible layers are identified.
- "all": All layers are identified, even if they are not visible.

<identifytolerance>5</identifytolerance>

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The identifytolerance specifies the distance in screen pixels from the specified geometry within which the identify should be performed.

<defaultzoomscale>5000</defaultzoomscale>

The defaultzoomscale specifies the zoom scale that will be applied when clicking on the widget results if the specific layer does not have a zoomscale specified.

<returngeometryforzoom>true</returngeometryforzoom>

The returngeometryforzoom specifies whether or not the identify tool returns the geometry for the identified feature(s) to use for zooming.

<autoactivatedtool>mappoint</autoactivatedtool>

The autoactivatedtool option specifies that the identify tool will automatically activate upon widget activation using the provided geometry type. The default for this element is blank. Possible values are extent or polygon or mappoint or polyline or nothing.

<keepidentifyactive>true</keepidentifyactive>

The keepidentifyactive specifies whether or not the identify tool stays active after a mouse click on the map or reverts back to navigation after the map click.

<usemaptime>false</usemaptime>

The usemaptime specifies whether or not to take into account the maps time extent when identifying features.

<enablelineselect>true</enablelineselect>

The enablelineselect specifies whether or not the line select tool is visible and enabled in the identify widgets UI.

<enableextentselect>true</enableextentselect>

The enableextentselect specifies whether or not the extent select tool is visible and enabled in the identify widgets UI.

<enablepolyselect>true</enablepolyselect>

The enablepolyselect specifies whether or not the polygon select tool is visible and enabled in the identify widgets UI.

<enablemouseovergraphicsinfo>true</enablemouseovergraphicsinfo>

The enablemouseovergraphicsinfo specifies whether or not hovering over a result graphic on the map will display the map info window.

<enablemouseoverrecordinfo>true</enablemouseoverrecordinfo>

The enablemouseoverrecordinfo specifies whether or not hovering over a result record in the widget will display the map info window.

<enablegraphicclickinfo>false</enablegraphicclickinfo>

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The enablegraphicclickinfo specifies whether or not clicking a result graphic on the map will display the map info window.

<infoautoclosemilliseconds>2000</infoautoclosemilliseconds>

The infoautoclosemilliseconds specifies the number of milliseconds that the map info window stays open before closing when it or the id results item looses focus.

<excludebasemaps>true</excludebasemaps>

The excludebasemaps specifies if all the basemaps in your map will be excluded from the identify widgets results. The default is false unless this tag is included and set to true.

<disablepopuplinks>false</disablepopuplinks>

The disablepopuplinks specifies if url links will be added to the identify popups or not.

<disablelayerdropdown>false</disablelayerdropdown>

The disablelayerdropdown specifies if layer choice drop down should be displayed in the widgets GUI or not.

<disablealllayerschoice>false</disablealllayerschoice>

The disablealllayerschoice specifies if "All Layers" choice is add to the layer choice drop down in the widgets GUI or not.

<replacenullswithemptystring >true</replacenullswithemptystring>

The replacenullswithemptystring specifies whether or not null values from any field are returned as an empty string or the word null.


Labels:
<zoom2message>Click to Zoom to Point</zoom2message>
The tooltip that is displayed when you hover over the identify result
<identifylabel>Identify</identifylabel>
The tooltip that is displayed when you hover over the identify icon at the top (header) of the widget.
<resultslabel>Results</resultslabel>
The tooltip that is displayed when you hover over the result icon at the top (header) of the widget.
<descriptionlabel>Use the identify tool to identify features on the map:</descriptionlabel>
The message that is displayed over the point and clear button of the widget.
<pointlabel>Identify</pointlabel>
The tooltip that is displayed over the point button of the widget.
<clearlabel>Clear</clearlabel>
The tooltip that is displayed over the clear (waste basket) button of the widget.
<loadinglabel>Loading...</loadinglabel>
The message that is displayed when the widget is performing its' identify operation.
<removeresultmessage>Remove Result</removeresultmessage>
The tooltip that is displayed when you hover over the remove result icon.
<idfrom>Identify From</idfrom>
The label that is displayed in front of the layer choice drop down.
<noresultsfoundlabel>No Results Found</noresultsfoundlabel>
The message that is displayed when the widget returns no results.
<resultsfoundlabel>Results Found</resultsfoundlabel>
The message that is displayed in front of the number of results returned by the widget.

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<alllayers>All Layers</alllayers>
The text label that is added to the layer choice drop down to indicate that all layers will be identified.
<layersremaining>layers remaining:</layersremaining>
The text label that is added to the layer choice drop down to indicate that all layers will be identified.

Useproxy:
```
<useproxy>
        <proxymapservice label="Imagery" />
        <proxymapservice label="Streets" />
</useproxy>
```
The label of the mapservice that requires the use of a proxy. Proxy is required for secure services and other conditions. If you have multiple Map services that require use of proxy then just add additional proxymapservice elements with the label attributes set to the label of the Map Service set in the Main config.xml. The proxyurl from the viewers main config.xml file is used and you do not need to specify it in the IndentifyWidget.xml.
.
Layers:
```
<layers onlythese="false">
```
The onlythese attribute is either true or false and if true then only the listed layers will be identified with the exception of the layers listed as excludelayer and if false all mapservices and layers in the map will be identified.

```
<layer>
    <name>Zoning</name>
    <id>2</id>
    <url>http://sampleserver1.arcgisonline.com/ArcGIS/rest/services/Louisville/LOJIC_LandRecords_Louisville/MapServer</url>
    <fields>
        <field name="ZONING_NAME" alias="Zoning Name" />
        <field name="ZONING_TYPE" alias="Zoning Type" popuponly="true" />
    </fields>
    <links>
        <link includeinresults="false" field="" alias="" tooltip="">
            <linkprefix></linkprefix>
            <linksuffix></linksuffix>
            <iconfield></iconfield>
            <iconprefix></iconprefix>
            <iconsuffix></iconsuffix>
        </link>
    </links>
    <zoomscale>15000</zoomscale>
    <forcescale>true</forcescale>
</layer>
```

The name element is an alias for what you want to appear in the layer choice drop down list and as the title of the identify results. The id is the layer id number from the REST service URL directory. The url is the url from the REST Service directory for this Map Service.

The fields parent element contains all the individual field child elements that will be used for this particular layer. Everything for the field element is specified as an attribute of the element. The name attribute is name of the field as shown in the REST Service directory and is a REQUIRED attribute. The alias attribute is optional as this information can automatically be retrieved from the map service. If you want to specify an alias that is different than the alias specified in ArcMap than you can set this value. If you want this field to ONLY appear in the popup infowindow than you specify true for the popuponly attribute, valid values are true or false, and the default is false. The useutc attribute allows the difference, in minutes, between universal time (UTC) and the computer's local time to be added to the date. The dateformat attribute allows you to specify the format of an esri date field. See esri documentation for valid format strings. The currencyformat attribute allows you to format a numeric

field that represents currency values. currencyformat - is a string that is pipe delimited. The first-position is the currency symbol, second number of decimal places, third-thousands separator, and fourth-decimal separator. Example: "$|2|,|."

The numberformat attribute allows you to format a numeric field. numberformat - is a string that is pipe delimited. The first-position is the precision, second-thousands separator, third-decimal separator. Example: "2|,|."

The optional links parent element contains your desired links. Specify one or more links and specify attributes such as includeinresults. Includeinresults is false by default but when set to true the field is used as a link field and still added to the ID results. The required field attribute is the field name for the link. The alias attribute give you the ability to have a link like http://help.arcgis.com/en/webapps/flexviewer displayed in the popup as ESRI Website. The tooltip is a string that will be displayed as a tool tip when hovering over the link. The link is a string field that contains a url or when combined with the static text from the linkprefix and linksuffix field makes a complete url to a document, image, website, etc.

The optional iconfield is a string field that contains a url or when combined with the static text from the iconprefix and iconsuffix field makes a complete url to an image (preferably small) that will replace the standard ● icon. So example would be icon elements would have:

```
<iconprefix>http://myserver/icons/</iconprefix>
<iconfield>icofield</iconfield>
<iconsuffix>.jpg</iconsuffix>
```

So if your iconfield has a value of "pdf" then the complete url would be "http://myserver/icons/pdf.jpg" and that image would be used. Possibly looking like this 📕 .

The zoomscale is the zoom scale that will be applied when clicking on the widget results.

The forcescale will cause the map to zoom in or out to match the zoomscale. By default if forcescale is not true then if your map is zoomed in closer than the scale specified in the zoomscale than no zoom will occur.

```
<excludelayer url=" http://sampleserver1.arcgisonline.com/ArcGIS/rest/services/Louisville/LOJIC_LandRecords_Louisville/MapServer "
id="0"/>
```

The excludelayer element is a way for you to use the onlythese as false and then specify which layers to exclude from a map service. This is considered the lazy configuration option. As this will allow you to have results returned for layers of a map service where you have not defined which fields to return and their optional formatting attributes. Be aware that lazy configuration can be detrimental to your Viewer applications performance as you could potentially get 100s of fields back that are not important to this particular web app.

The following section pertains to symbols.

```
<symbols>
    <simplefillsymbol color="0xff0000" alpha="0.5">
        <outline color="0xff0000" alpha="0.8" width="2"/>
    </simplefillsymbol>

    <simplemarkersymbol style="square" size="12" color="0xff0000" alpha="0.5" xoffset="0" yoffset="0" angle="0">
```

```
            <outline style="solid" color="0x000000" alpha="1" width="1"/>
        </simplemarkersymbol>

        <picturemarkersymbol url="assets/images/i_info.png" height="30" width="30" xoffset="0" yoffset="0" />

        <simplelinesymbol color="0xff0000" alpha="0.8" width="2"/>
</symbols>
```

Default symbols can be set using syntax as above to set the default symbology for search results.

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