

Open Geospatial Consortium (OGC)

- International industry consortium
- Develop publicly available interface standards
- www.opengeospatial.org



- Serving data as vector features
- Uses GML
- WFS specification



Two encodings:

- XML (HTTP POST or SOAP)
- Key/value pairs (HTTP GET)

POST

```
<GetCapabilities
  xmlns="http://www.openqis.net/wfs/2.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.openqis.net/wfs/2.0 http://schemas.openqis.net/wfs/2.0/wfs.xsd"
  service="WFS"
  version="2.0.0"
/>
```

GET

 $http:// \textbf{sample server 6. arcgison line. com/arcgis/services/Sample World Cities/Map Server/WFS Server? request = Get Capabilities \& service = WFS \& version = 2.0.0 arcgis/service = 2.0.0$

- GetCapabilities
- DescribeFeatureType
- GetFeature

- GetCapabilities
- DescribeFeatureType
- GetFeature
- WFS-T
 - Editing:
 - Create
 - Delete
 - Update

- GetCapabilities
- DescribeFeatureType
- GetFeature
- WFS-T
 - Editing:
 - Create
 - Delete
 - Update

- Versions supported:
 - 1.0.0
 - 1.1.0
 - 2.0.0

WFS vs. other service types

WMS





WFS vs. other service types

WMS

Esri Feature Service





WFS vs. other service types

WMS

Esri Feature Service





Why use a WFS service?

Create a WFS service

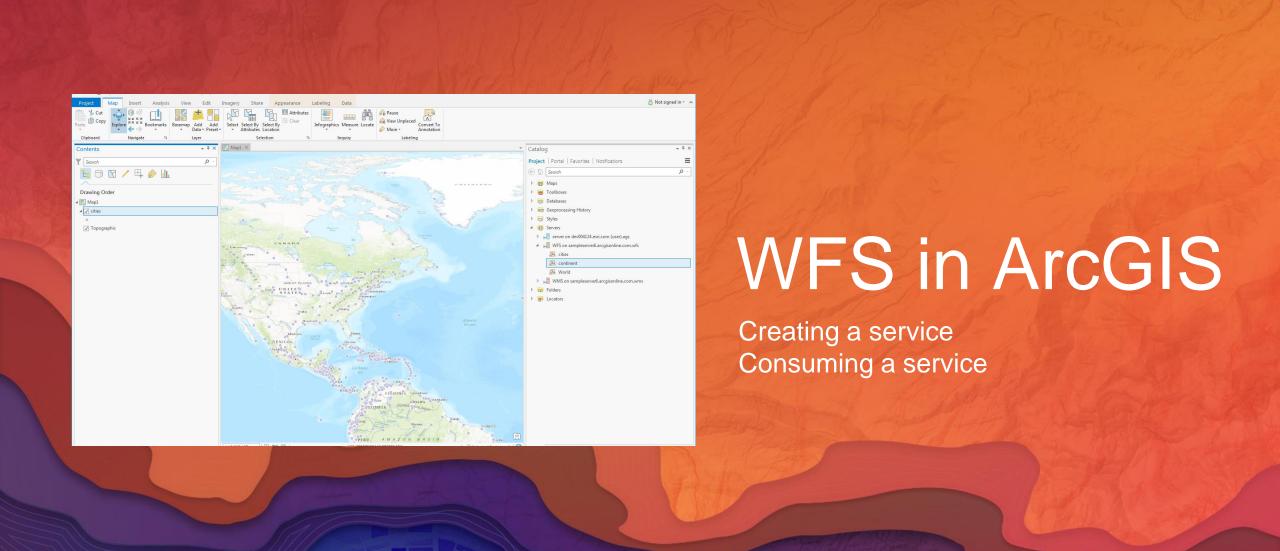
- Create from a map (WFS Map Service)
- Create from a hosted feature layer (hosted WFS Map Service)
- Create from an enterprise geodatabase (WFS Geodata Service)
 - This is being deprecated

WFS clients

- Data Interoperability Extension in ArcMap
- ArcGIS Online/Portal Map Viewer
- *NEW* ArcGIS Pro





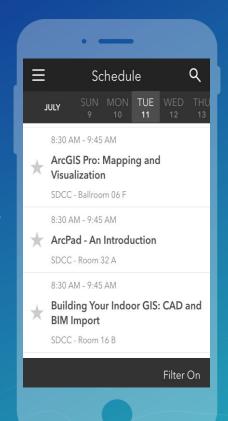


Please Take Our Survey on the Esri Events App!

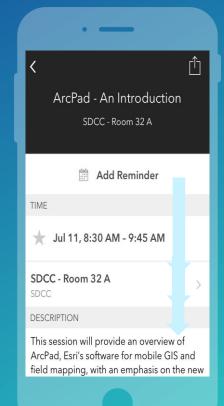
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

