



创新

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探索

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GIS-Creating Our Future



2014年 第十二届Esri中国用户大会 欢迎您

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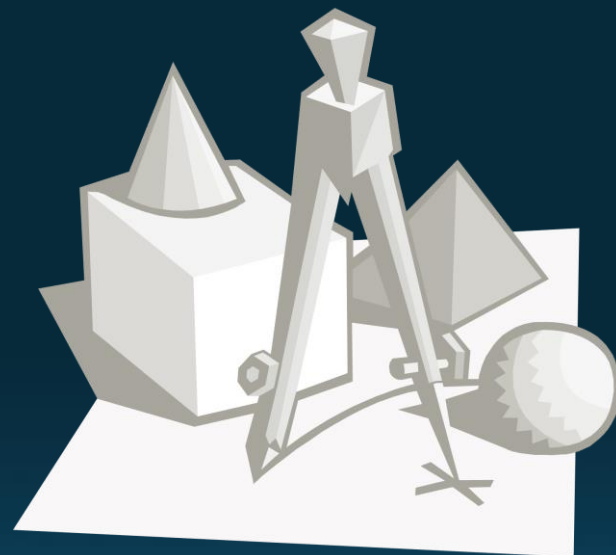


ArcGIS Runtime SDK 桌面开发

产品研究与技术推广部-高杰

问题探讨

- Runtime能够替代AO/AE吗？
- Runtime需要替代AO/AE吗？



讲座提纲

- ArcGIS Runtime SDK是什么？
 - ArcGIS Runtime Core、APIs and SDKs
 - ArcGIS Runtime 平台体系
- 如何开始ArcGIS Runtime桌面开发？
 - 安装及系统要求
 - 文档, 教程和示例
- ArcGIS Runtime for .NET类库结构
 - 命名空间OverView及功能介绍
- Demos
- Q&A

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ArcGIS Runtime 是什么？

Core, APIs and SDKs?

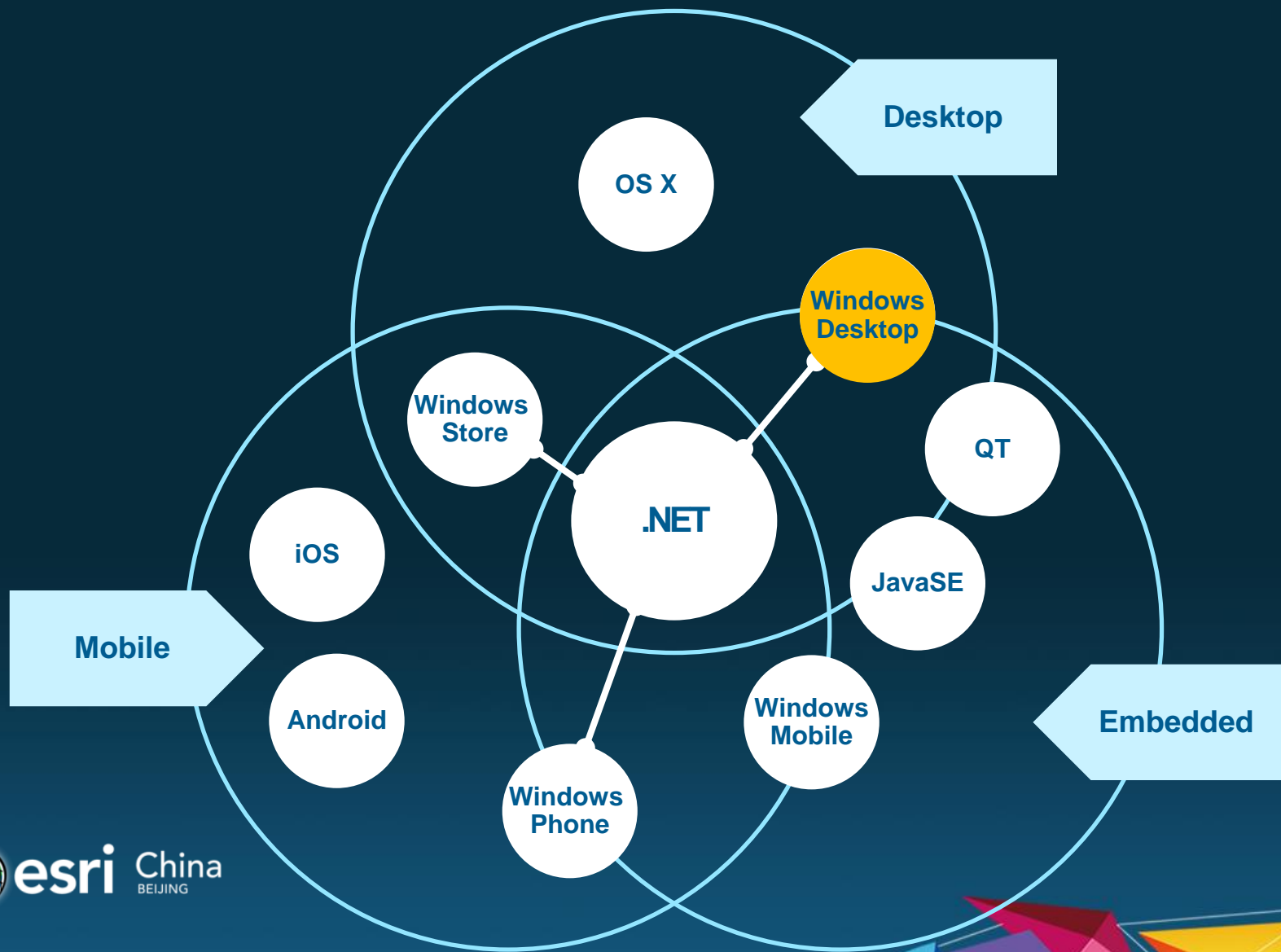
Runtime Core



Runtime SDK

Runtime API

Runtime的平台体系



ArcGIS 平台-Web GIS

An Integrated
Web GIS Platform

Desktop



Web



Device



Apps

Portal



Access



Server

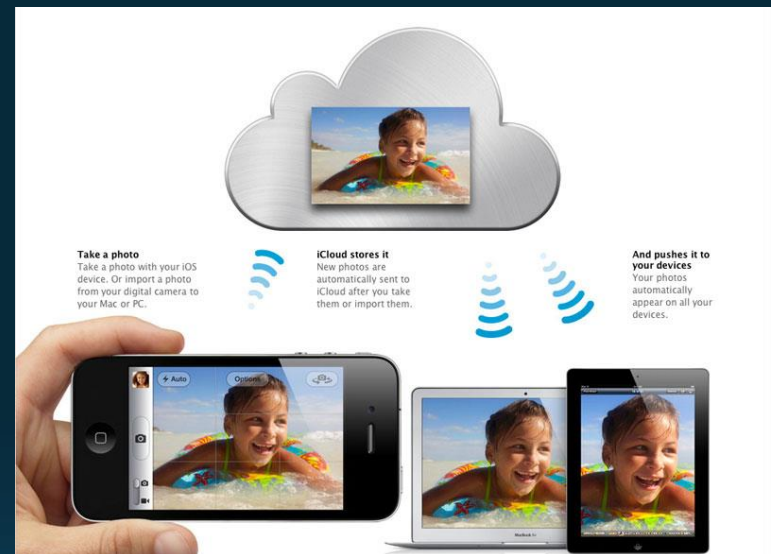
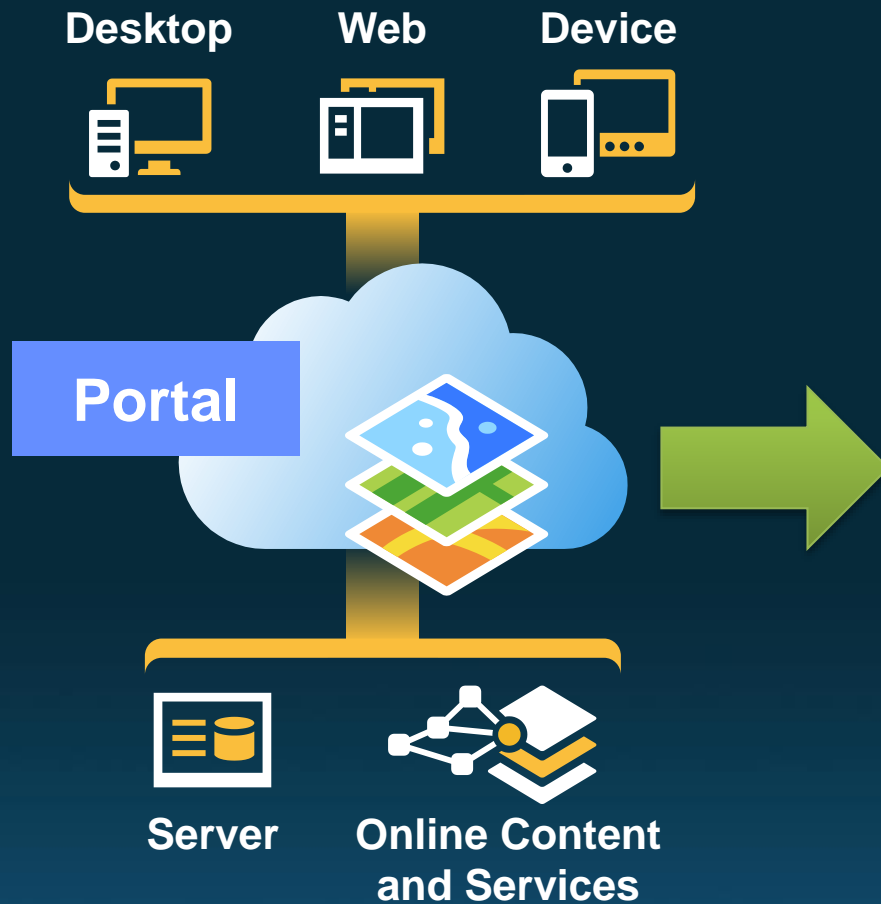


Online Content
and Services

Services

Providing Mapping, Analysis, Data
Management, and Collaboration

ArcGIS 平台-Web GIS



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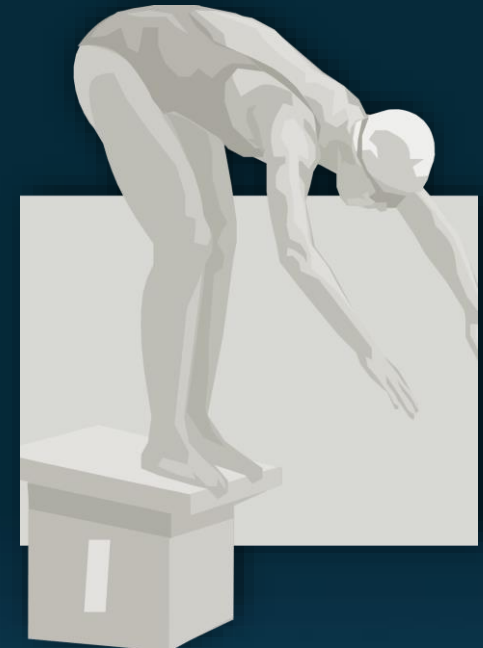


如何开始Runtime开发？

如何开始Runtime桌面开发？

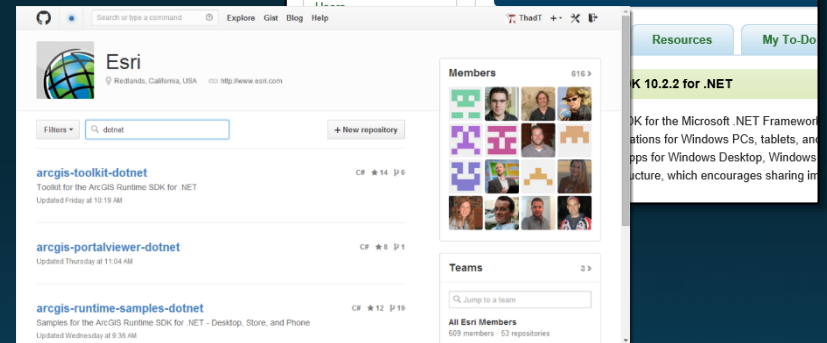
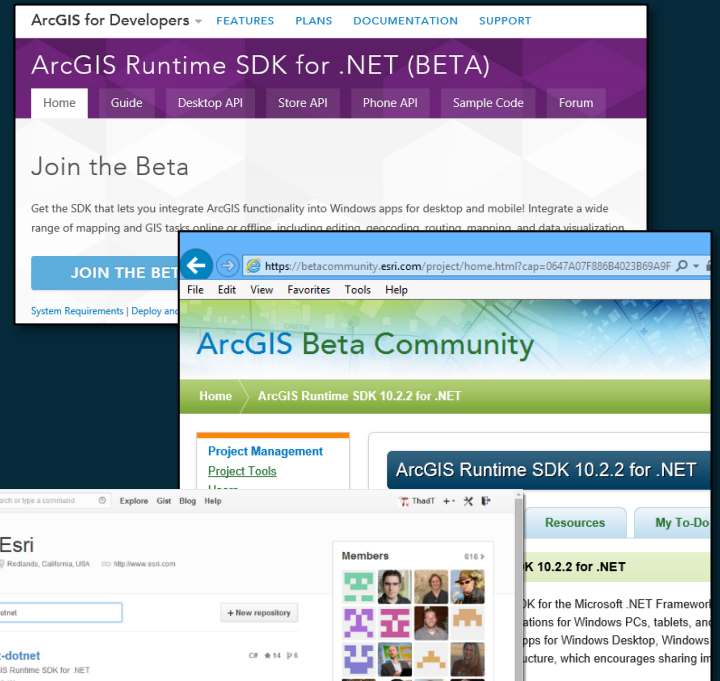
System Requirements for **Windows Desktop** development

- **Operating system**
 - Windows 7
 - Windows 8
 - Windows 8.1
- **.Net framework**
 - 4.5
 - 4.5.1
- **IDE**
 - Visual Studio 2013 (all editions)
 - Visual Studio Express 2013 for Windows Desktop
 - Visual Studio 2012 with Update 3 (all editions)
 - Visual Studio Express 2012 for Windows Desktop with Update 3



文档、教程和示例

- 开发者网站
 - <https://developers.arcgis.com/net>
 - Check system requirements
- 安装文件下载
 - <http://betacommunity.esri.com>
- 代码资源
 - GitHub repos - <https://github.com/Esri>
 - Toolkit
 - Samples
- 在线反馈与交流
 - Beta community (use forums, log issues)



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ArcGIS Runtime 类库结构

- Esri.ArcGISRuntime
- Esri.ArcGISRuntime.AdvancedSymbology
- Esri.ArcGISRuntime.ArcGISServices
- Esri.ArcGISRuntime.Controls
- Esri.ArcGISRuntime.Data
- Esri.ArcGISRuntime.Geometry
- Esri.ArcGISRuntime.Http
- Esri.ArcGISRuntime.Layers
- Esri.ArcGISRuntime.LocalServices
- Esri.ArcGISRuntime.Location
- Esri.ArcGISRuntime.Portal
- Esri.ArcGISRuntime.Security
- Esri.ArcGISRuntime.Symbology
- Esri.ArcGISRuntime.Tasks
- Esri.ArcGISRuntime.Tasks.Edit
- Esri.ArcGISRuntime.Tasks.Geocoding
- Esri.ArcGISRuntime.Tasks.Geoprocessing
- Esri.ArcGISRuntime.Tasks.Imagery
- Esri.ArcGISRuntime.Tasks.NetworkAnalyst
- Esri.ArcGISRuntime.Tasks.Offline
- Esri.ArcGISRuntime.Tasks.Printing
- Esri.ArcGISRuntime.Tasks.Query
- Esri.ArcGISRuntime.WebMap
- XamlGeneratedNamespace

- Algorithm Enumeration
- ClassBreaksDefinition Class
- ClassificationDefinition Class
- ClassificationMethod Enumeration
- ColorRamp Class
- FindItem Class
- FindParameters Class
- FindResult Class
- FindTask Class
- GenerateRendererParameter Class
- GenerateRendererResult Class
- BaseMap Class
- Bookmark Class
- DrawingInfo Class
- FeatureCollection Class
- FieldInfo Class
- FormatInfo Class
- LayerDefinition Class
- MediaInfo Class
- MediaInfoValue Class
- MediaType Enumeration
- PopupInfo Class
- Query Class
- QueryParameter Class
- Tasks Class
- WebMap Class
- WebMapLayer Class
- WebMapObject Class
- WebMapSubLayer Class
- WebMapViewModel Class
- GeneratedInternalTypeHelper Class

- S52ColorScheme Enumeration
- S52DepthShades Enumeration
- S52DisplayCategory Enumeration
- S52DisplayDepthUnits Enumeration
- SimpleMarkerStyle Enumeration
- SimpleMarkerSymbol Class
- SimpleRenderer Class
- Symbol Class
- SymbolCollection Class
- SymbolFont Class
- SymbolFontStyle Enumeration
- SymbolFontWeight Enumeration
- SymbolInterpolator Class
- SymbolTextDecoration Enumeration
- SymbolRenderer Class
- SymbolClass
- ClassBreaks Class
- ClassBreaksAger Class
- ClassBreaksCollection Class
- UniqueValueInfo Class
- UniqueValueInfoCollection Class
- UniqueValueRenderer Class
- VerticalTextAlignment Enumeration

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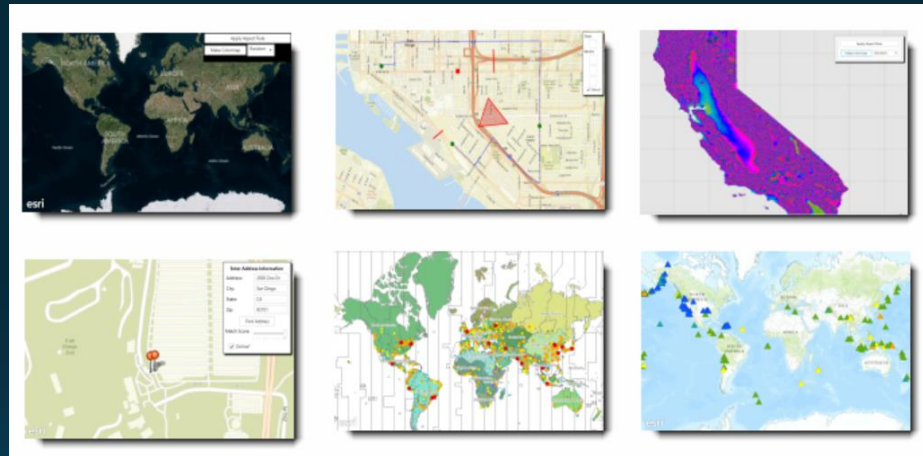
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DEMOS

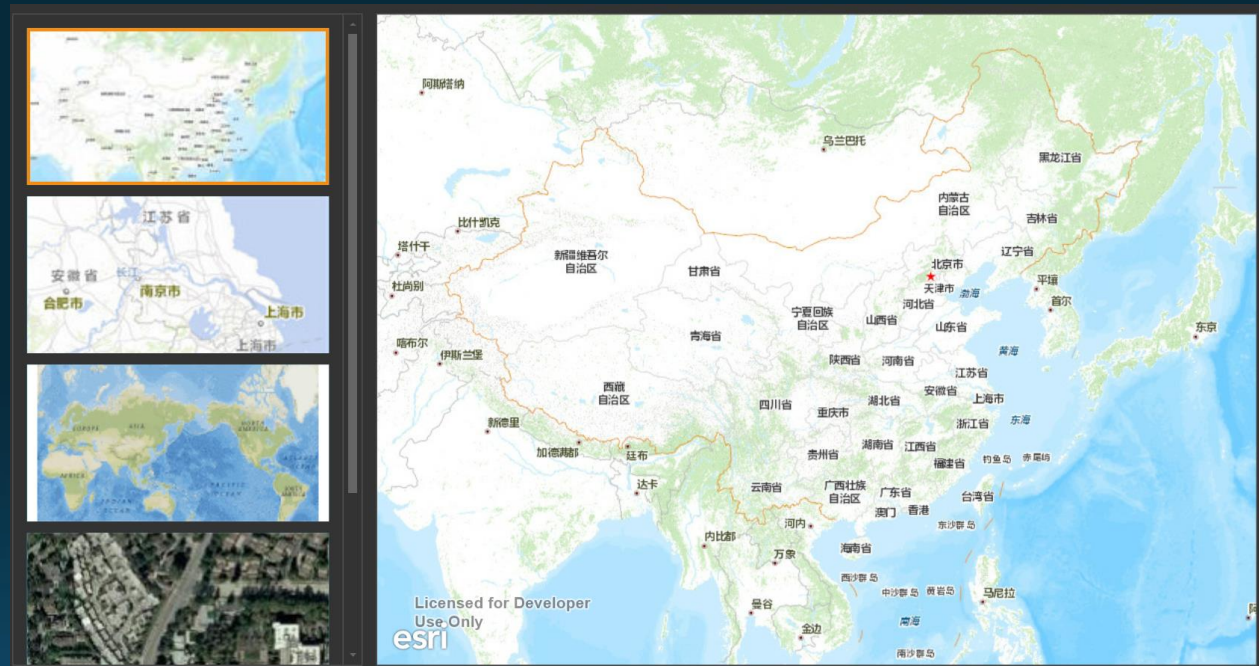
DEMO-1-Mapping

- MapView
- Map
- Layers



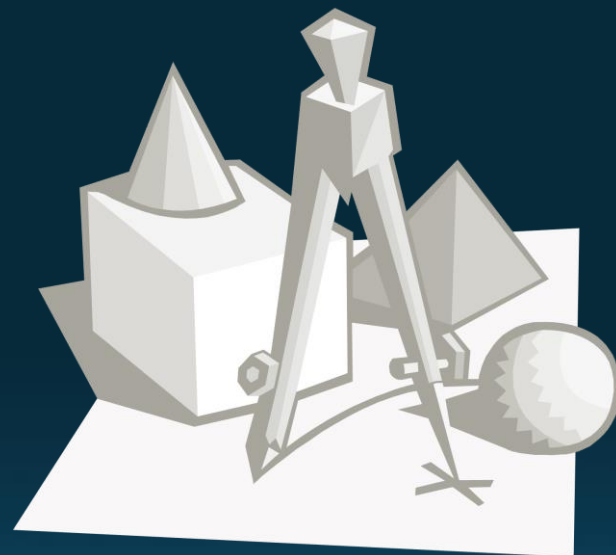
DEMO-2-Get data from portal

- ArcGISPortal
- WebMap



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Welcome Jerry Siever

ArcGIS for Developers, Terraformer, Esri Leaflet



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