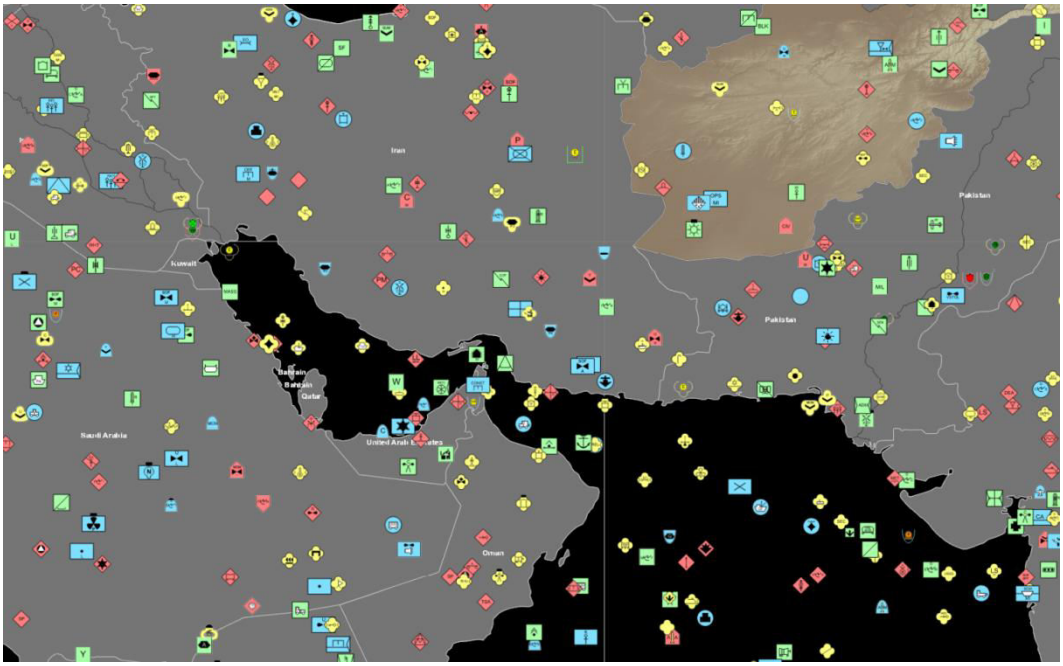
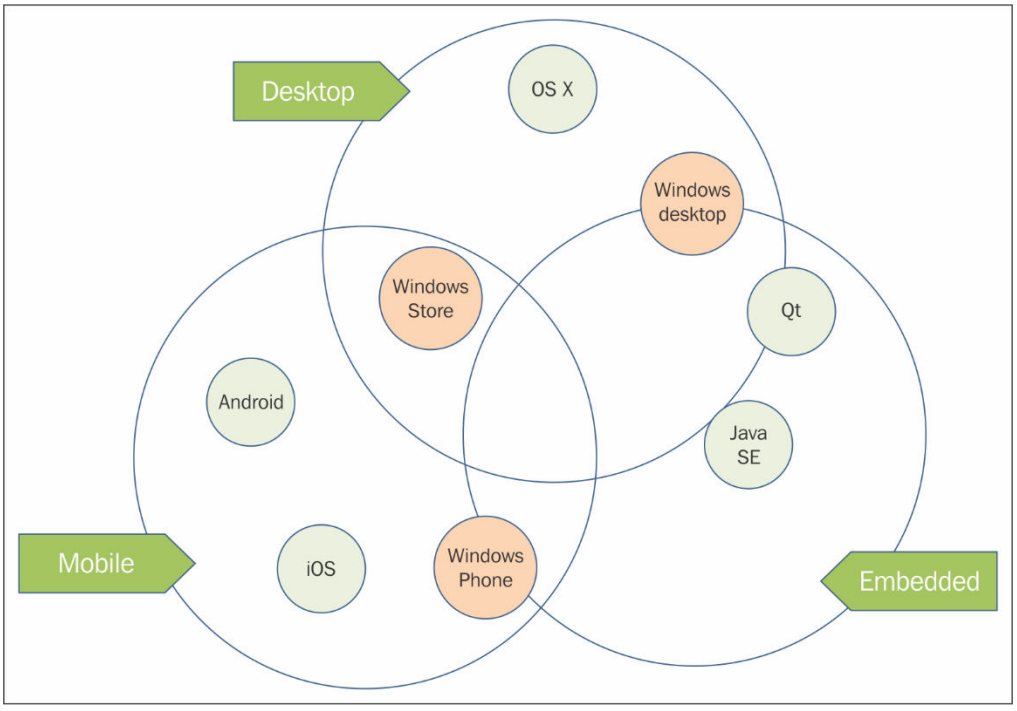
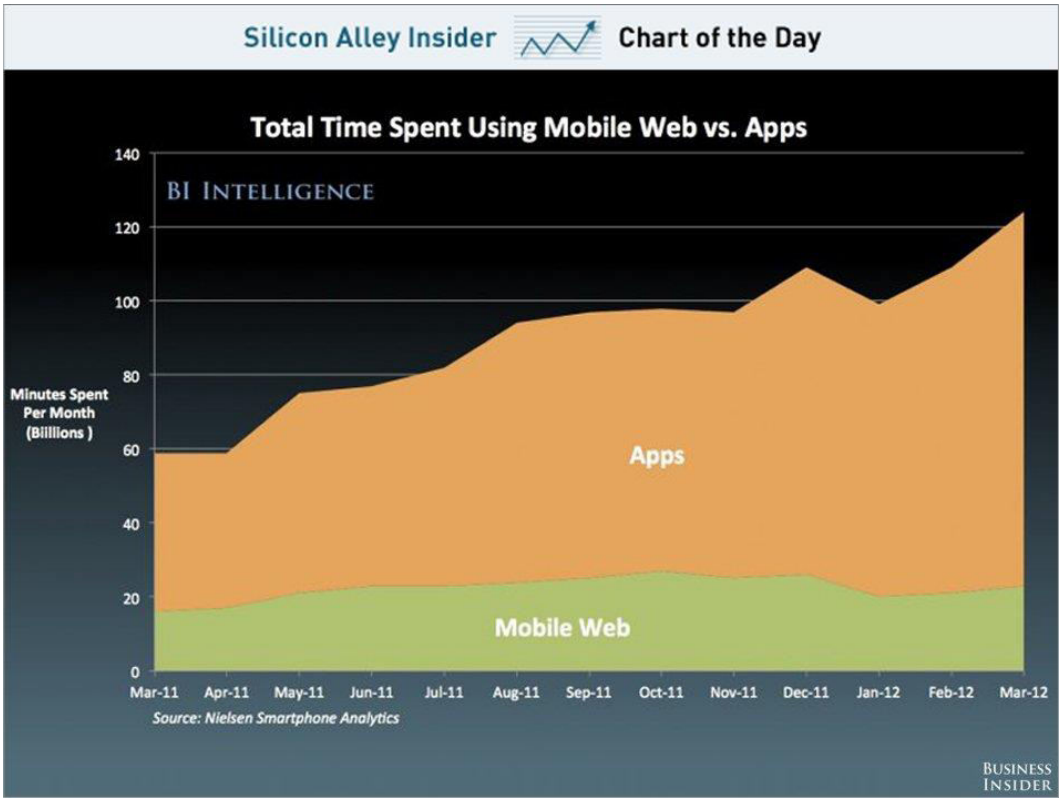
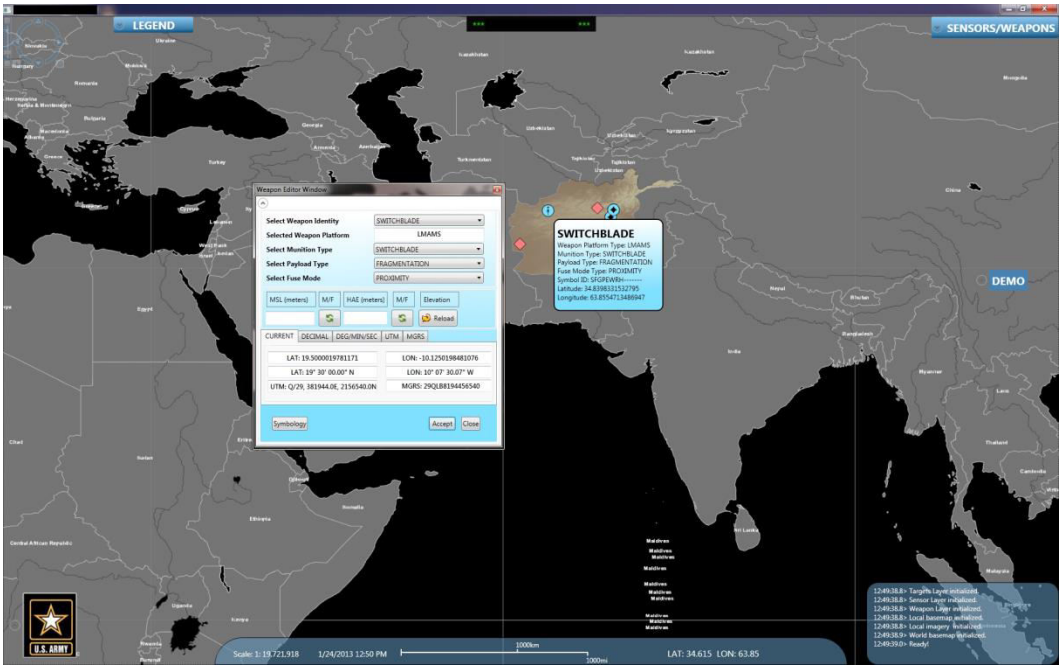
Chapter 1: Introduction to ArcGIS Runtime

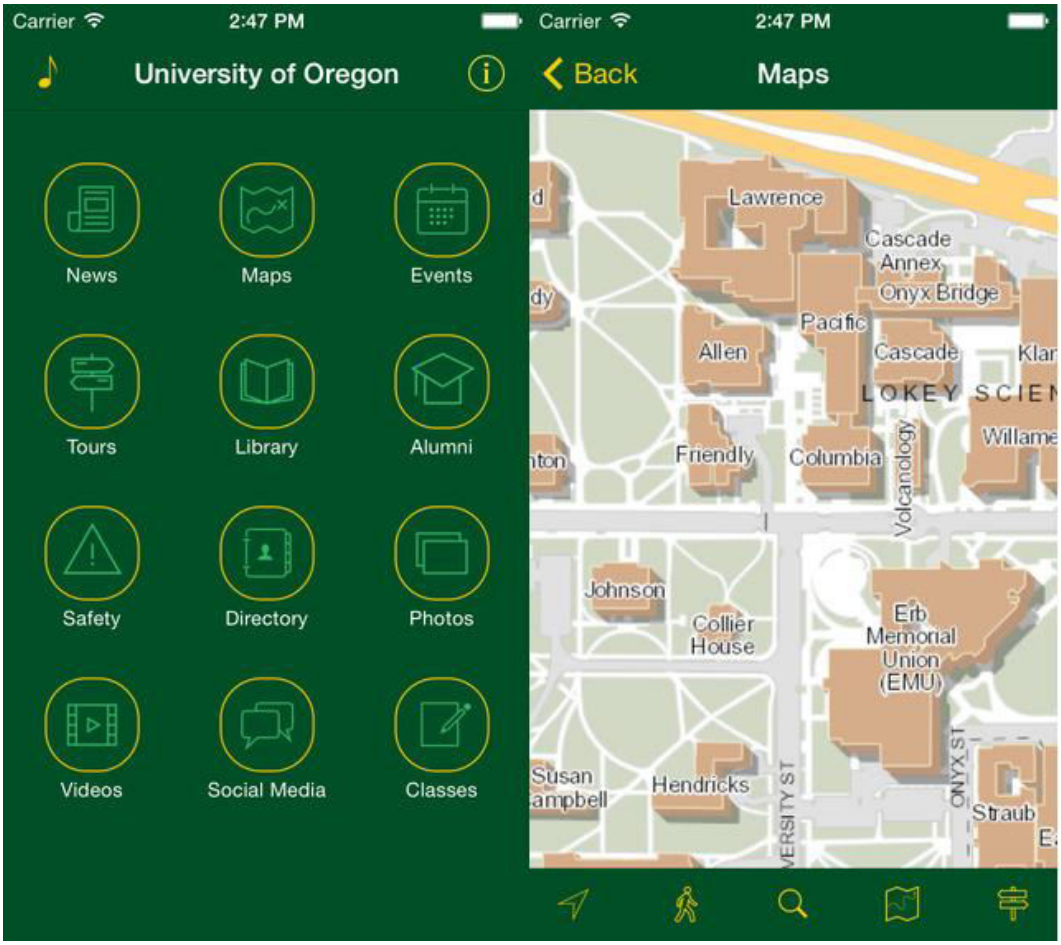

Iran
Pakistan
Kuwait
Pakistan
Bahrain
Qatar
Saudi Arabia
Oman


Desktop
OS X
Windows desktop
Windows Store
Qt
Android
Java SE
Mobile
iOS
Windows Phone
Embedded

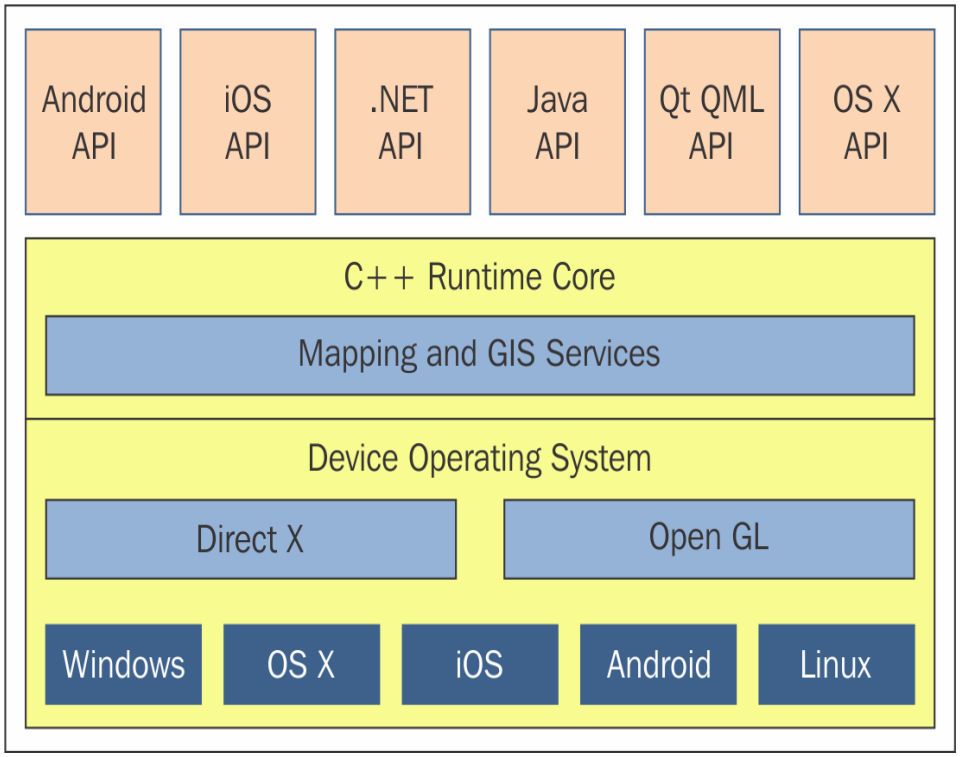

Apple's App Store Is Growing by 1,000+ Apps a Day
Number of new apps submitted to Apple's App Store per month
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
39,992
2009
2010
2011
2012
2013
2014
2015
@StatistaCharts
Source: pocketgamer.biz
statista

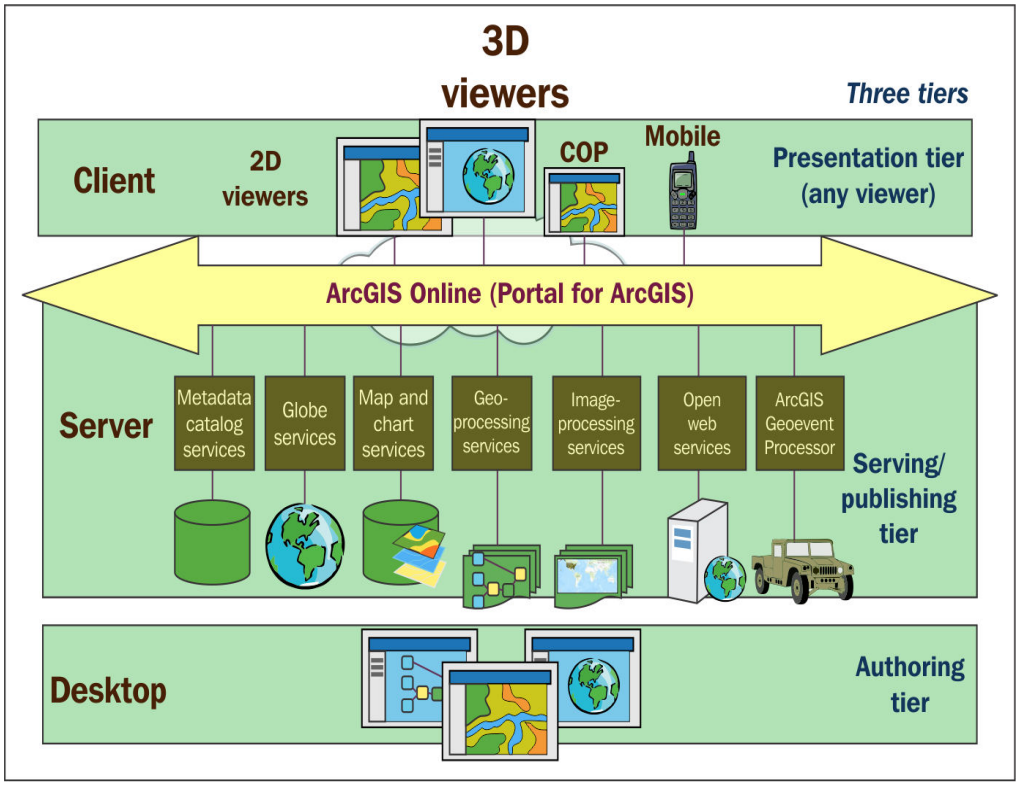

Silicon Alley Insider
Chart of the Day
Total Time Spent Using Mobile Web vs. Apps
BI INTELLIGENCE
Minutes Spent Per Month (Billions)
140
120
100
80
60
40
20
0
Apps
Mobile Web
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
Sep-11
Oct-11
Nov-11
Dec-11
Jan-12
Feb-12
Mar-12
Source: Nielsen Smartphone Analytics
BUSINESS INSIDER

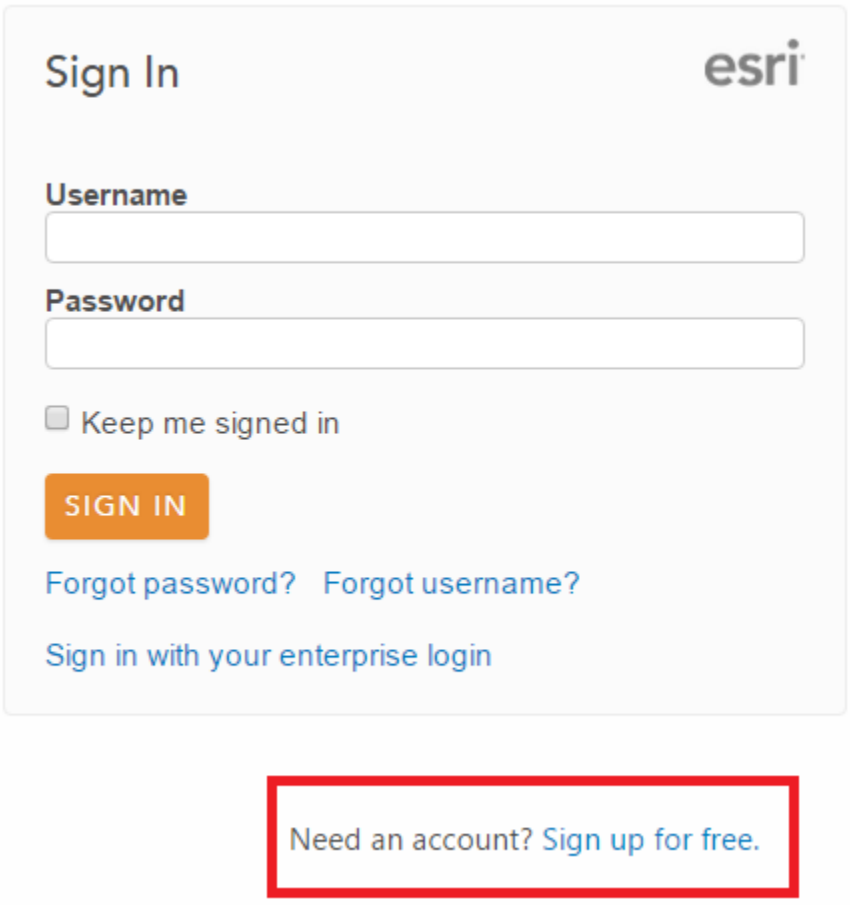

LEGEND
SENSORS/WEAPONS
Weapon Editor Window
Select Weapon Identity
SWITCHBLADE
Selected Weapon Platform
LMAMS
Select Munition Type
SWITCHBLADE
Select Payload Type
FRAGMENTATION
Select Fuse Mode
PROXIMITY
MSL (meters)
M/F
HAE (meters)
M/F
Elevation
Reload
CURRENT
DECIMAL
DEG/MIN/SEC
UTM
MGRS
LAT: 19.5000019781171
LON: -10.125019848107 6
LAT: 19° 30' 00.00" N
LON: 10° 07' 30.07" W
UTM: Q/29, 381944.0E, 2156540.0N
MGRS: 29QLB8194456540
Symbology
Accept
Close
SWITCHBLADE
Weapon Platform Type: LMAMS
Munition Type: SWITCHBLADE
Payload Type: FRAGMENTATION
Fuse Mode Type: PROXIMITY
Symbol ID: SFGPEWRH-----
Latitude: 34.839831532795
Longitude: 63.855471348694 7
DEMO
U.S. ARMY
Scale: 1:19,721,918
1/24/2013 12:50 PM
1000km
1000mi
LAT: 34.615 LON: 63.85
12:49:38.8> Targets Layer initialized.
12:49:38.8> Sensor Layer initialized.
12:49:38.8> Weapon Layer initialized.
12:49:38.8> Local basemap initialized.
12:49:38.8> Local imagery initialized.
12:49:38.9> World basemap initialized.
12:49:39.0> Ready!

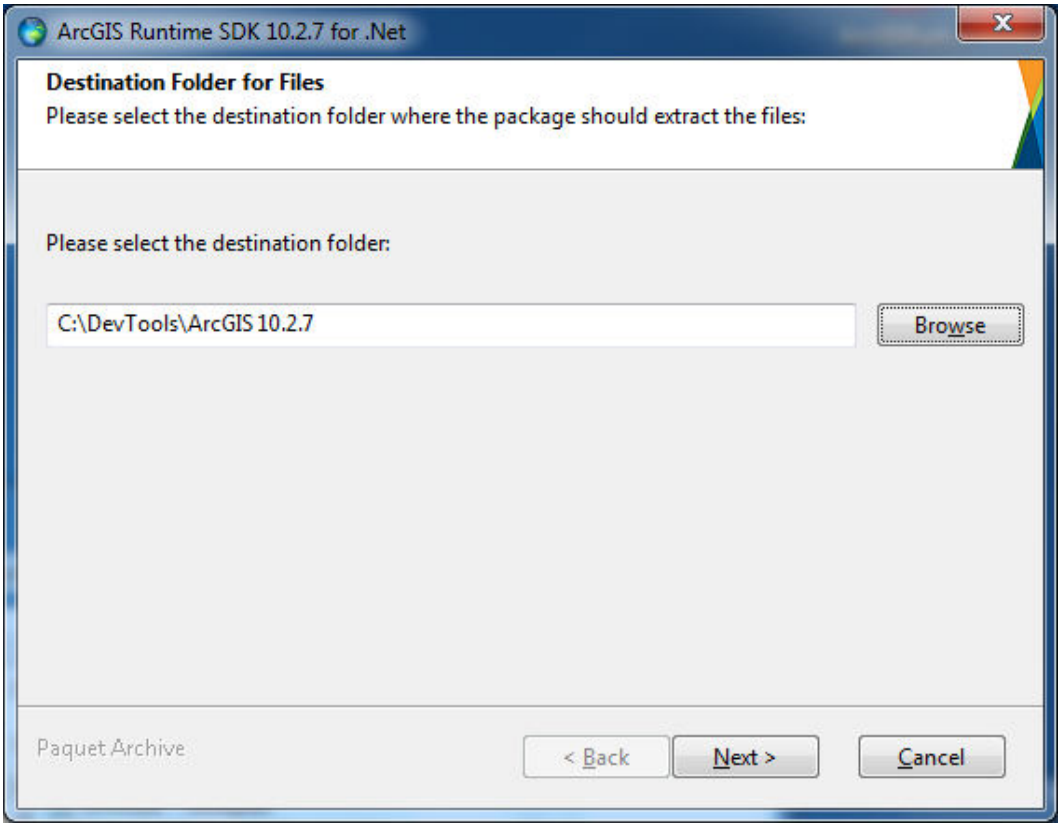

Carrier
2:47 PM
University of Oregon
News
Maps
Events
Tours
Library
Alumni
Safety
Directory
Photos
Videos
Social Media
Classes
Carrier
2:47 PM
Back
Maps
Lawrence
Cascade
Annex
Onyx Bridge
Pacific
Allen
Cascade
LOKEY SCIE
Willame
Friendly
Columbia
Volcanology
Johnson
Collier
House
Erb
Memorial
Union
(EMU)
Hendricks
ONYX ST
Straub

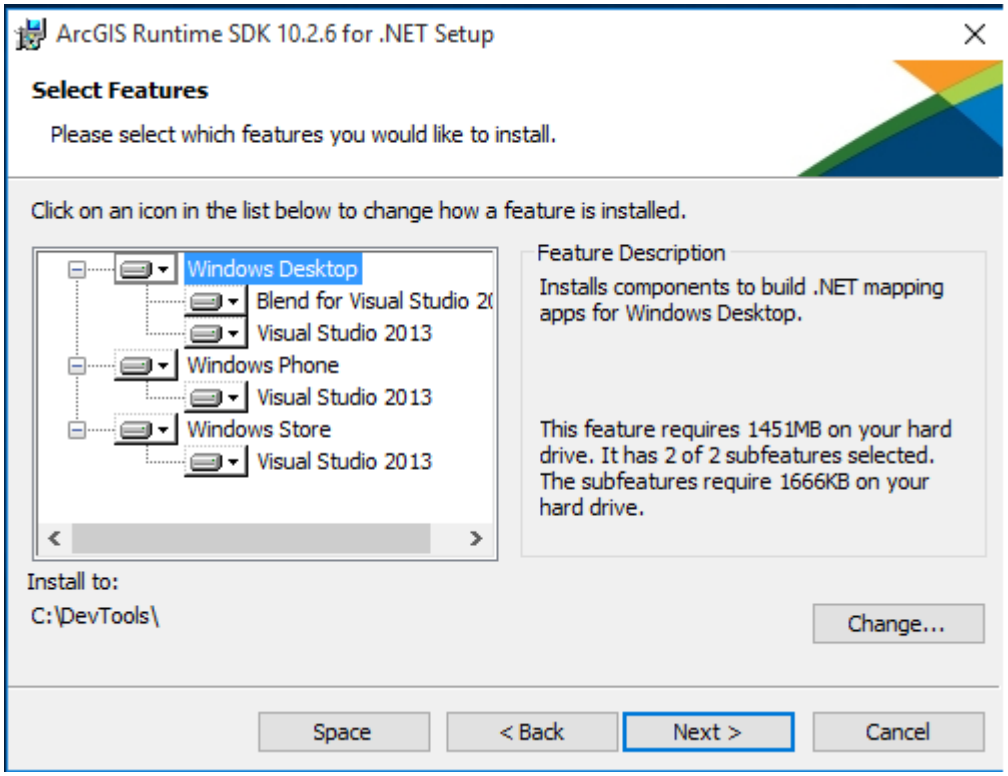

North
Sea
UNITED
KINGDOM
IRELAND
Dublin
Manchester
Amsterdam
Hamburg
Berlin
Birmingham
GERMANY
London
Brussels
Cologne
Frankfurt am Main
Prague
Warsaw
Katowice
Paris
Stuttgart
Vienna
Budapest
SLOVAKIA
AUSTRIA
HUNGARY
ROMANIA
FRANCE
Zagreb
Milan
Belgrade
Rome
Sarajevo
Athens
PORTUGAL
Madrid
Lisbon
SPAIN
Algiers
Casablanca
Rabat
MOROCCO
ALGERIA

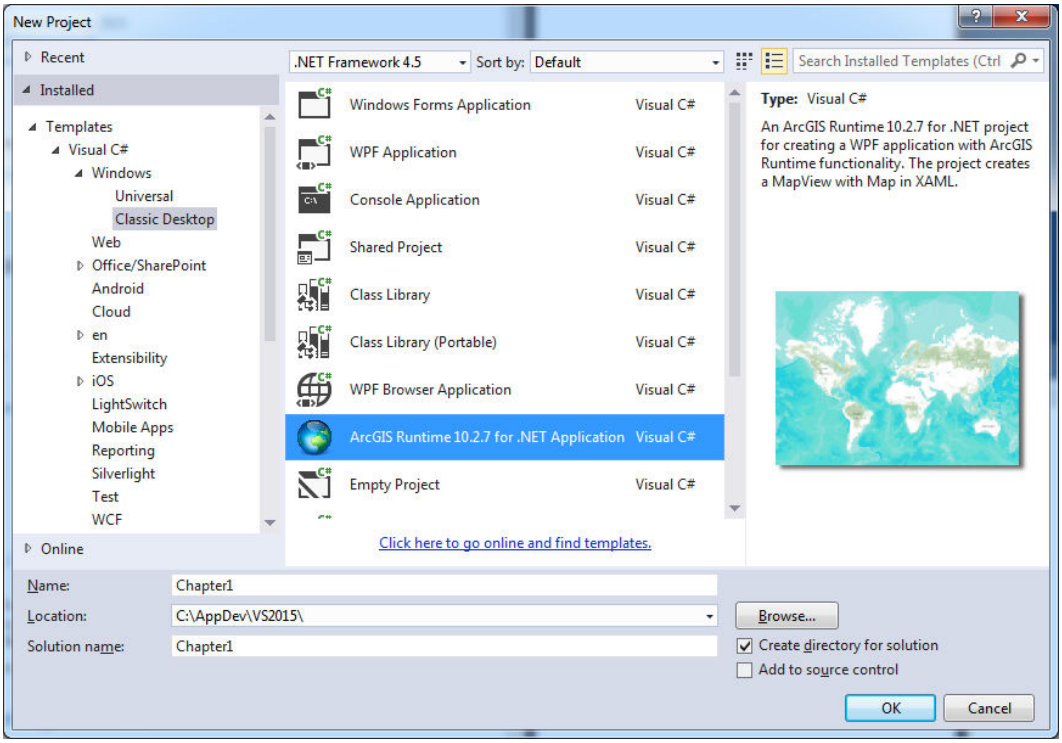

Android API
iOS API
.NET API
Java API
Qt QML API
OS X API
C++ Runtime Core
Mapping and GIS Services
Device Operating System
Direct X
Open GL
Windows
OS X
iOS
Android
Linux


3D viewers
Three tiers
Client
2D viewers
COP
Mobile
Presentation tier (any viewer)
ArcGIS Online (Portal for ArcGIS)
Server
Metadata catalog services
Globe services
Map and chart services
Geo-processing services
Image-processing services
Open web services
ArcGIS Geoevent Processor
Serving/ publishing tier
Desktop
Authoring tier

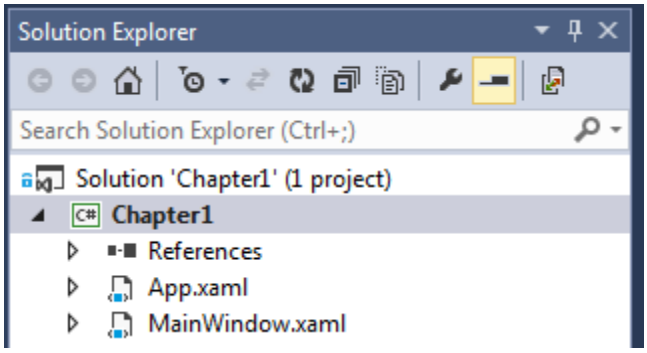

Sign In
esri
Username
Password
Keep me signed in
SIGN IN
Forgot password?
Forgot username?
Sign in with your enterprise login
Need an account? Sign up for free.


ArcGIS Runtime SDK 10.2.7 for .Net
Destination Folder for Files
Please select the destination folder where the package should extract the files:
Please select the destination folder:
C:\DevTools\ArcGIS 10.2.7
Browse
Paquet Archive
< Back
Next >
Cancel

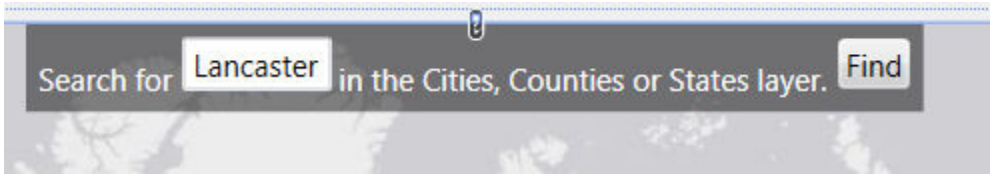

ArcGIS Runtime SDK 10.2.6 for .NET Setup
Select Features
Please select which features you would like to install.
Click on an icon in the list below to change how a feature is installed.
Windows Desktop
Blend for Visual Studio 2(
Visual Studio 2013
Windows Phone
Visual Studio 2013
Windows Store
Visual Studio 2013
Feature Description
Installs components to build .NET mapping apps for Windows Desktop.
This feature requires 1451MB on your hard drive. It has 2 of 2 subfeatures selected. The subfeatures require 1666KB on your hard drive.
Install to:
C:\DevTools\
Change...
Space
< Back
Next >
Cancel


New Project
Recent
Installed
Templates
Visual C#
Windows
Universal
Classic Desktop
Web
Office/SharePoint
Android
Cloud
en
Extensibility
iOS
LightSwitch
Mobile Apps
Reporting
Silverlight
Test
WCF
Online
.NET Framework 4.5
Sort by: Default
Search Installed Templates (Ctrl
Windows Forms Application Visual C#
WPF Application Visual C#
Console Application Visual C#
Shared Project Visual C#
Class Library Visual C#
Class Library (Portable) Visual C#
WPF Browser Application Visual C#
ArcGIS Runtime 10.2.7 for .NET Application Visual C#
Empty Project Visual C#
Click here to go online and find templates.
Type: Visual C#
An ArcGIS Runtime 10.2.7 for .NET project for creating a WPF application with ArcGIS Runtime functionality. The project creates a MapView with Map in XAML.
Name: Chapter1
Location: C:\AppDev\VS2015\
Solution name: Chapter1
Browse...
Create directory for solution
Add to source control
OK
Cancel


MainWindow
Licensed for Developer Use Only
esri

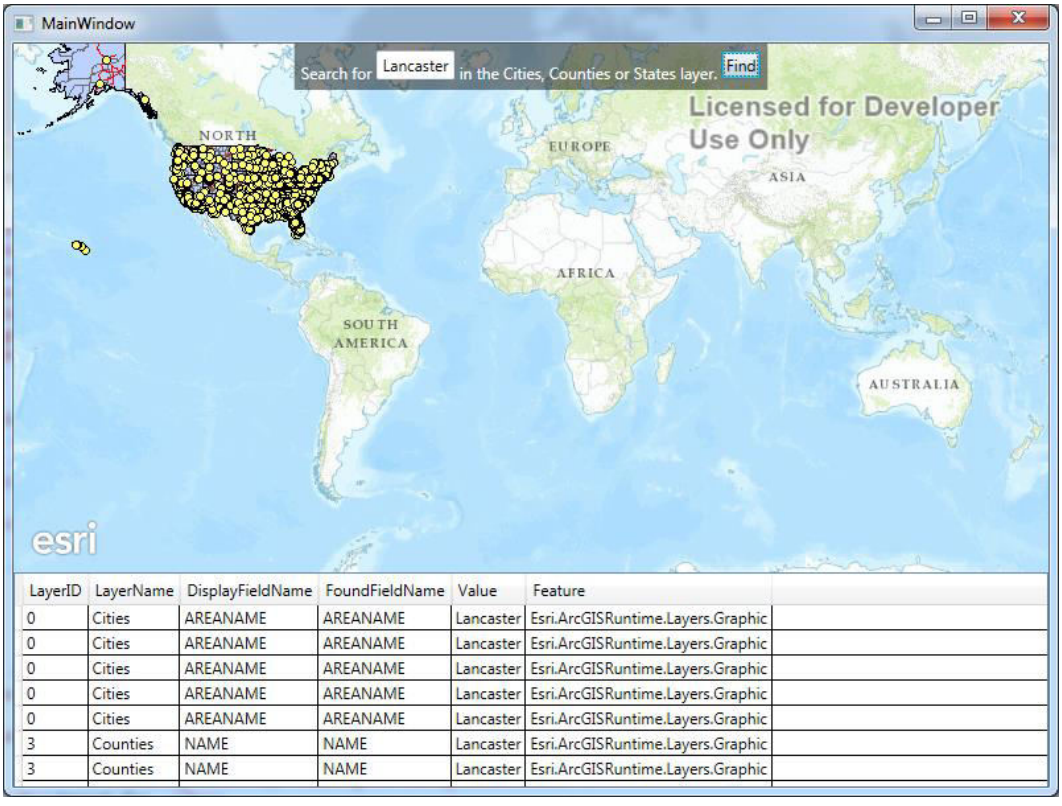

Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'Chapter1' (1 project)
Chapter1
References
App.xaml
MainWindow.xaml


Map Scale: 1: 174096928



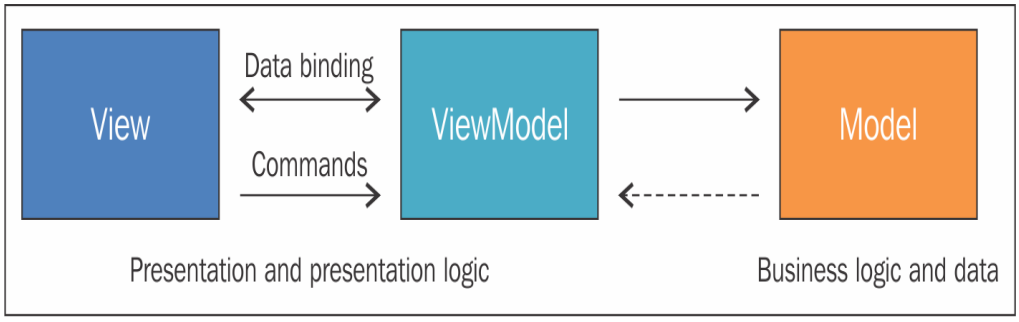

```
    <Run> in the Cities, Counties or States layer. </Run>
    <Button Content="Find" Width="30" Click=""></Button>
</TextBlock>
```

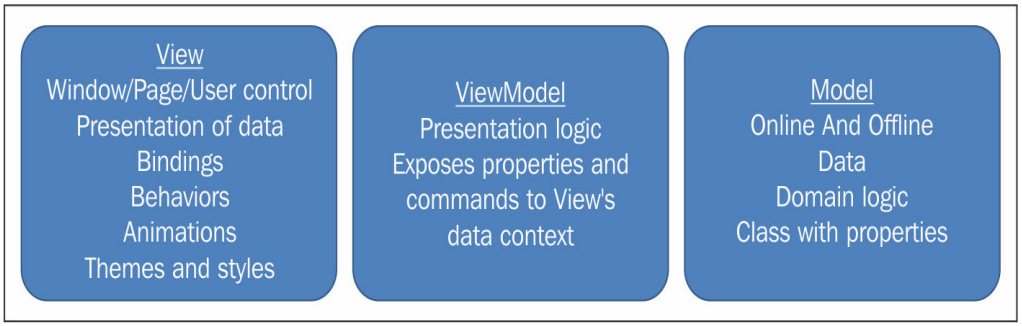
<New Event Handler> Bind event to a newly created method called 'Button_Click'.

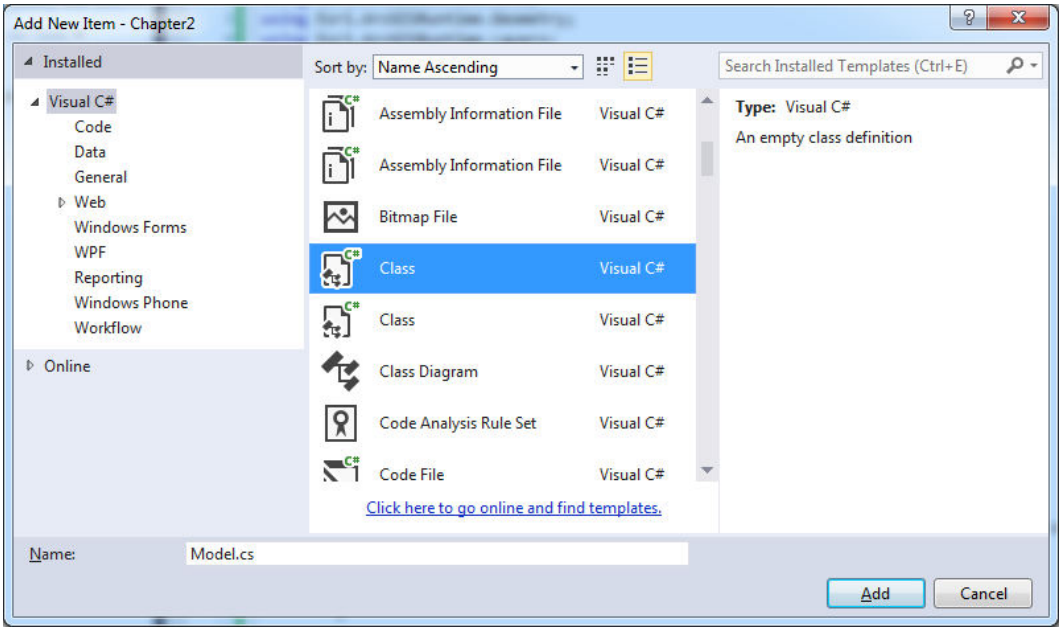


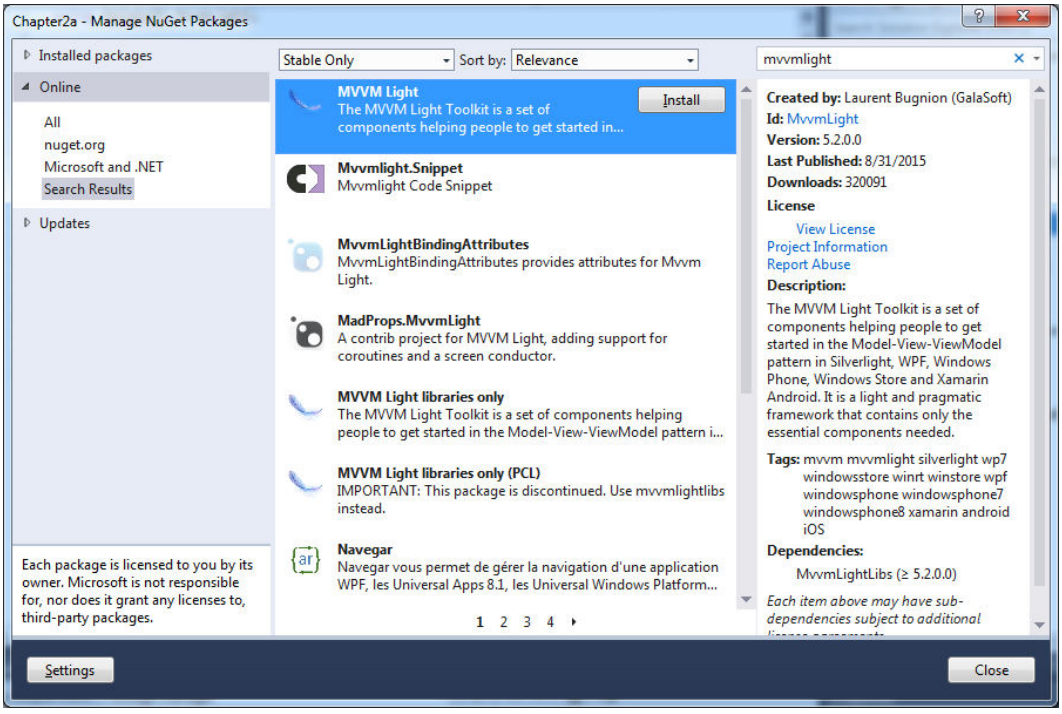
LayerID	LayerName	DisplayFieldName	FoundFieldName	Value	Feature
0	Cities	AREANAME	AREANAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic
0	Cities	AREANAME	AREANAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic
0	Cities	AREANAME	AREANAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic
0	Cities	AREANAME	AREANAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic
0	Cities	AREANAME	AREANAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic
3	Counties	NAME	NAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic
3	Counties	NAME	NAME	Lancaster	Esri.ArcGISRuntime.Layers.Graphic

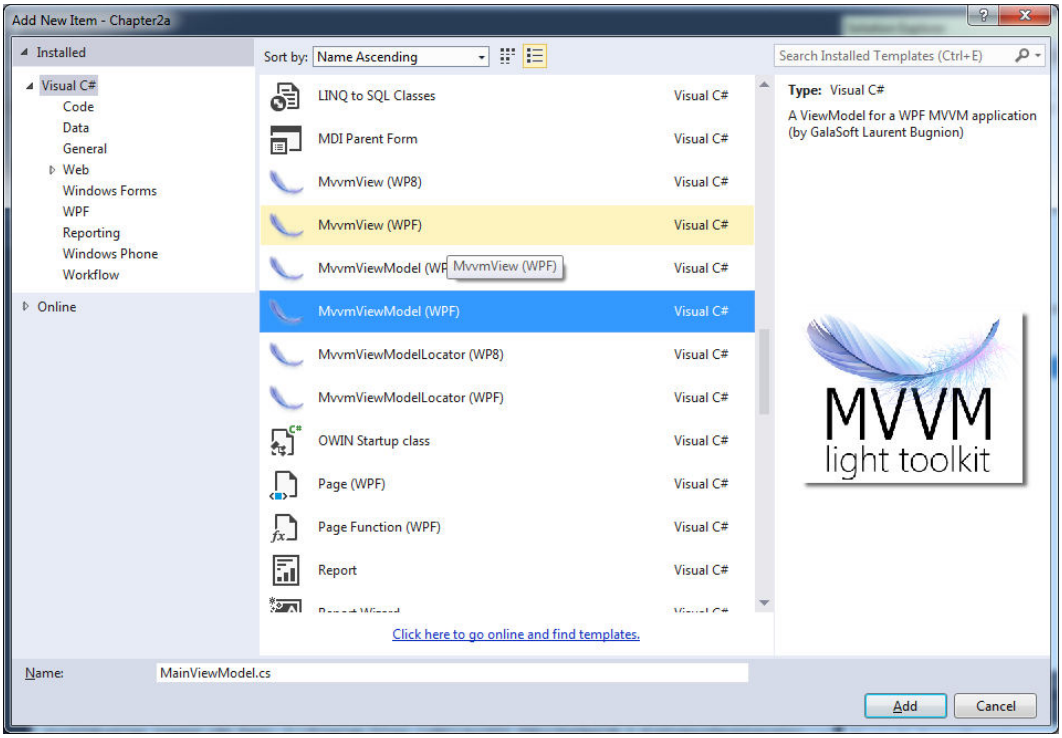
Chapter 2: The MVVM Pattern

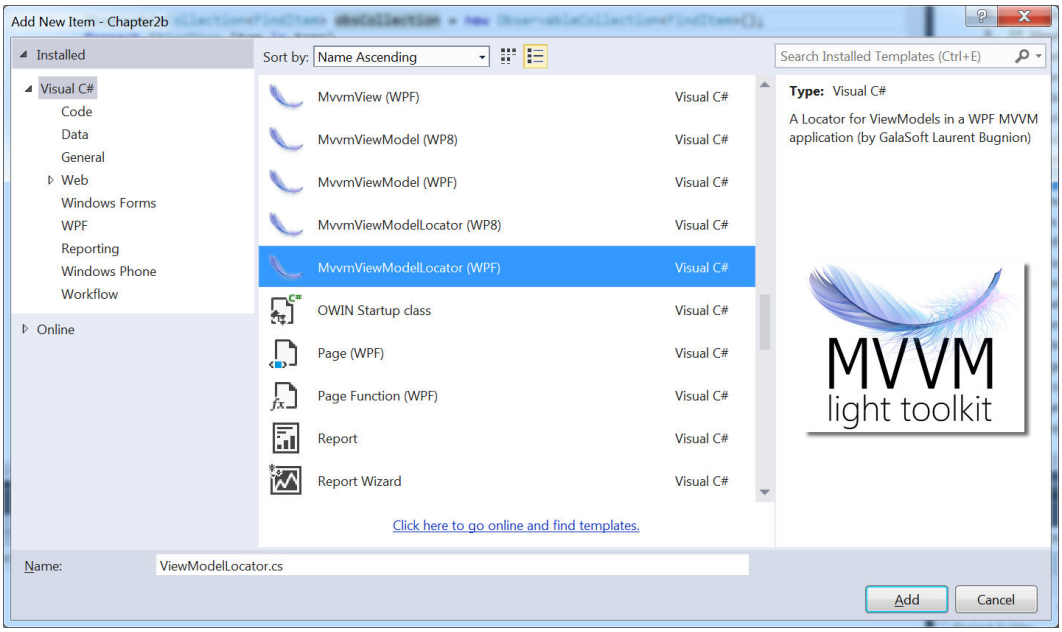


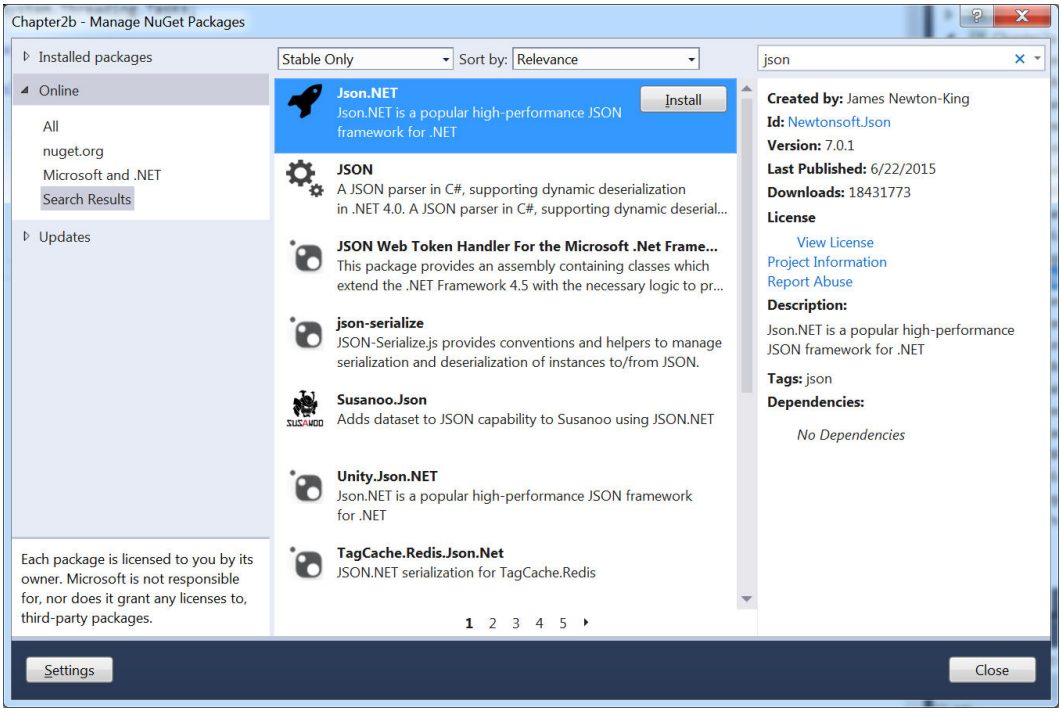



Add New Item - Chapter2
Installed
Visual C#
Code
Data
General
Web
Windows Forms
WPF
Reporting
Windows Phone
Workflow
Online
Sort by: Name Ascending
Search Installed Templates (Ctrl+E)
Assembly Information File Visual C#
Assembly Information File Visual C#
Bitmap File Visual C#
Class Visual C#
Class Visual C#
Class Diagram Visual C#
Code Analysis Rule Set Visual C#
Code File Visual C#
Click here to go online and find templates.
Type: Visual C#
An empty class definition
Name: Model.cs
Add
Cancel

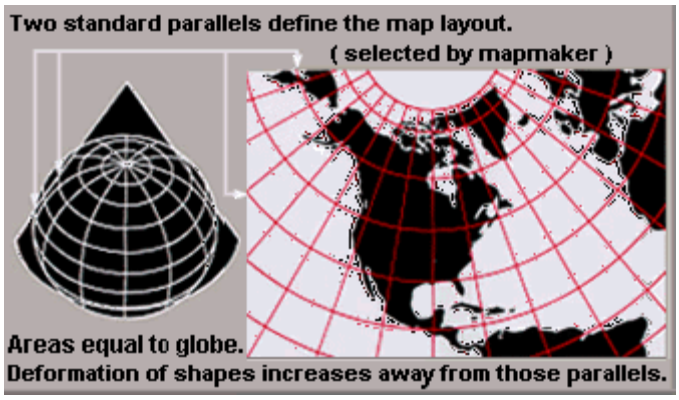

Chapter2a - Manage NuGet Packages
Installed packages
Online
All
nuget.org
Microsoft and .NET
Search Results
Updates
Stable Only
Sort by: Relevance
mvvmlight
MVVM Light
The MVVM Light Toolkit is a set of components helping people to get started in...
Install
Mvvmlight.Snippet
Mvvmlight Code Snippet
MvvmLightBindingAttributes
MvvmLightBindingAttributes provides attributes for Mvvm Light.
MadProps.MvvmLight
A contrib project for MVVM Light, adding support for coroutines and a screen conductor.
MVVM Light libraries only
The MVVM Light Toolkit is a set of components helping people to get started in the Model-View-ViewModel pattern i...
MVVM Light libraries only (PCL)
IMPORTANT: This package is discontinued. Use mvvmlightlibs instead.
Navegar
Navegar vous permet de gérer la navigation d'une application WPF, les Universal Apps 8.1, les Universal Windows Platform...
1 2 3 4
Each package is licensed to you by its owner. Microsoft is not responsible for, nor does it grant any licenses to, third-party packages.
Created by: Laurent Bugnion (GalaSoft)
Id: MvvmLight
Version: 5.2.0.0
Last Published: 8/31/2015
Downloads: 320091
License
View License
Project Information
Report Abuse
Description:
The MVVM Light Toolkit is a set of components helping people to get started in the Model-View-ViewModel pattern in Silverlight, WPF, Windows Phone, Windows Store and Xamarin Android. It is a light and pragmatic framework that contains only the essential components needed.
Tags: mvvm mvvmlight silverlight wp7 windowsstore winrt winstore wpf windowsphone windowsphone7 windowsphone8 xamarin android iOS
Dependencies:
MvvmLightLibs (≥ 5.2.0.0)
Each item above may have sub-dependencies subject to additional
Settings
Close


Add New Item - Chapter2a
Installed
Visual C#
Code
Data
General
Web
Windows Forms
WPF
Reporting
Windows Phone
Workflow
Online
Sort by: Name Ascending
Search Installed Templates (Ctrl+E)
LINQ to SQL Classes Visual C#
MDI Parent Form Visual C#
MvvmView (WP8) Visual C#
MvvmView (WPF) Visual C#
MvvmViewModel (WP MvvmView (WPF) Visual C#
MvvmViewModel (WPF) Visual C#
MvvmViewModelLocator (WP8) Visual C#
MvvmViewModelLocator (WPF) Visual C#
OWIN Startup class Visual C#
Page (WPF) Visual C#
Page Function (WPF) Visual C#
Report Visual C#
Click here to go online and find templates.
Type: Visual C#
A ViewModel for a WPF MVVM application (by GalaSoft Laurent Bugnion)
MVVM
light toolkit
Name: MainViewModel.cs
Add
Cancel

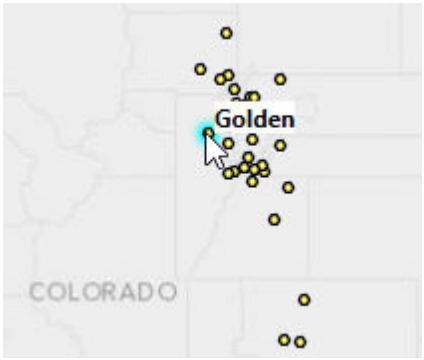

Add New Item - Chapter2b
Installed
Visual C#
Code
Data
General
Web
Windows Forms
WPF
Reporting
Windows Phone
Workflow
Online
Sort by: Name Ascending
Search Installed Templates (Ctrl+E)
MvvmView (WPF) Visual C#
MvvmViewModel (WP8) Visual C#
MvvmViewModel (WPF) Visual C#
MvvmViewModelLocator (WP8) Visual C#
MvvmViewModelLocator (WPF) Visual C#
OWIN Startup class Visual C#
Page (WPF) Visual C#
Page Function (WPF) Visual C#
Report Visual C#
Report Wizard Visual C#
Click here to go online and find templates.
Type: Visual C#
A Locator for ViewModels in a WPF MVVM application (by GalaSoft Laurent Bugnion)
MVVM
light toolkit
Name: ViewModelLocator.cs
Add
Cancel

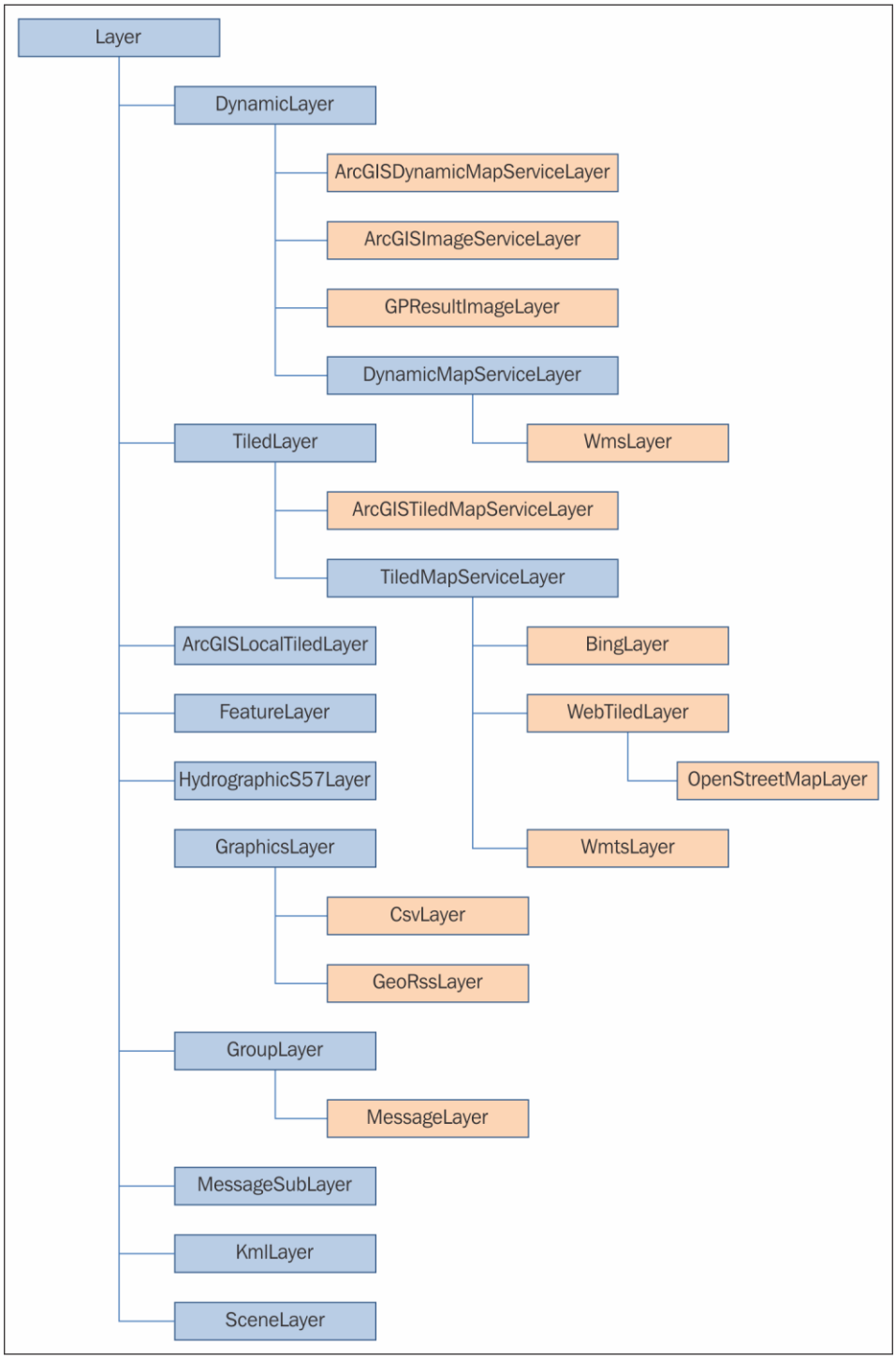

Chapter2b - Manage NuGet Packages
Installed packages
Online
All
nuget.org
Microsoft and .NET
Search Results
Updates
Each package is licensed to you by its owner. Microsoft is not responsible for, nor does it grant any licenses to, third-party packages.
Stable Only
Sort by: Relevance
json
Json.NET
Json.NET is a popular high-performance JSON framework for .NET
Install
JSON
A JSON parser in C#, supporting dynamic deserialization in .NET 4.0. A JSON parser in C#, supporting dynamic deserial...
JSON Web Token Handler For the Microsoft .Net Frame...
This package provides an assembly containing classes which extend the .NET Framework 4.5 with the necessary logic to pr...
json-serialize
JSON-Serialize.js provides conventions and helpers to manage serialization and deserialization of instances to/from JSON.
Susanoo.Json
Adds dataset to JSON capability to Susanoo using JSON.NET
Unity.Json.NET
Json.NET is a popular high-performance JSON framework for .NET
TagCache.Redis.Json.Net
JSON.NET serialization for TagCache.Redis
1 2 3 4 5
Created by: James Newton-King
Id: Newtonsoft.Json
Version: 7.0.1
Last Published: 6/22/2015
Downloads: 18431773
License
View License
Project Information
Report Abuse
Description:
Json.NET is a popular high-performance JSON framework for .NET
Tags: json
Dependencies:
No Dependencies
Settings
Close

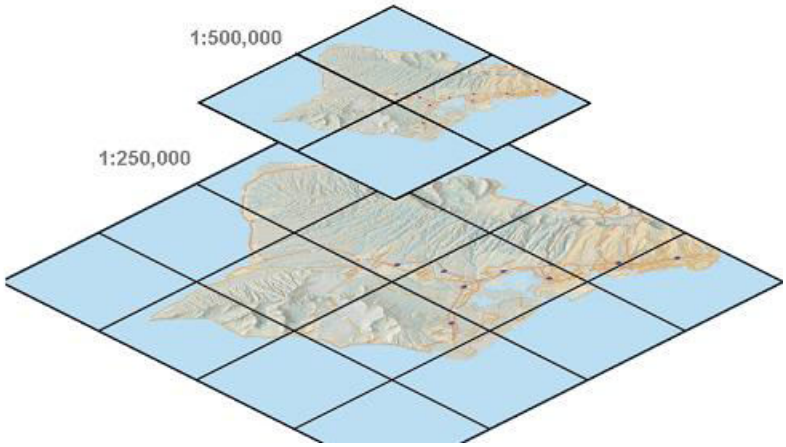
Chapter 3: Maps and Layers



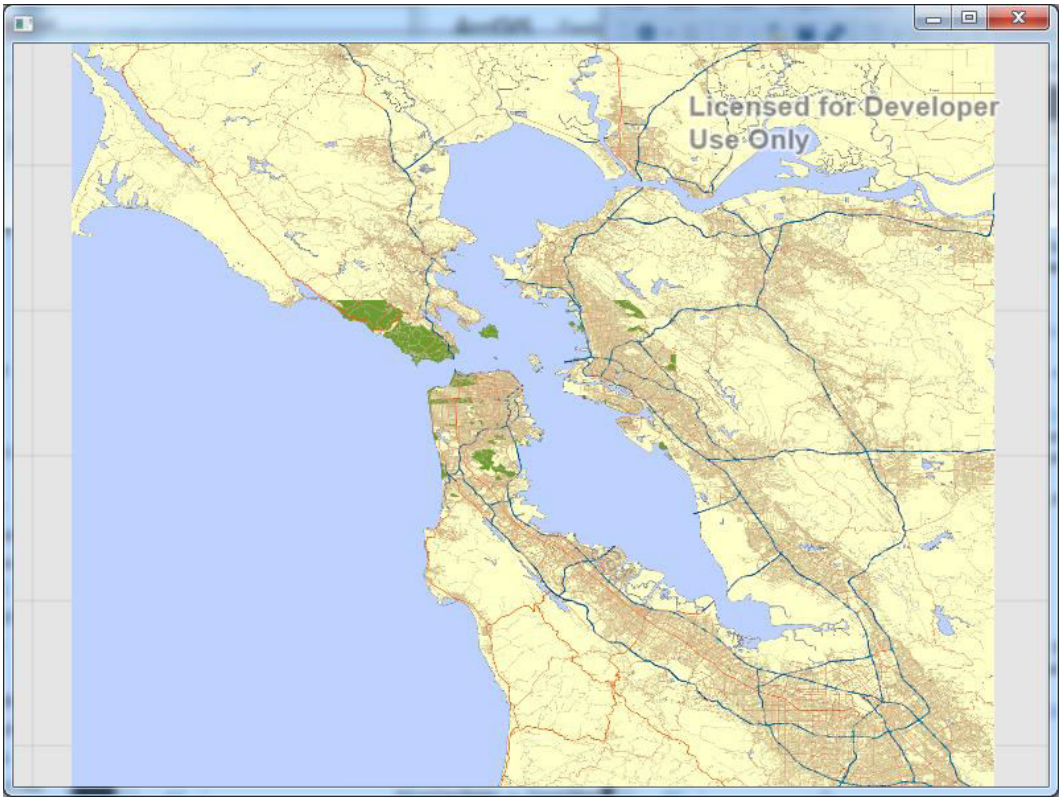

90W
80W
Gulf of Mexico
Tropic of Cancer
Nassau
Havana
Mérida
CUBA
90W
80W
JAMAICA
Kingston
BELIZE


Golden
COLORADO

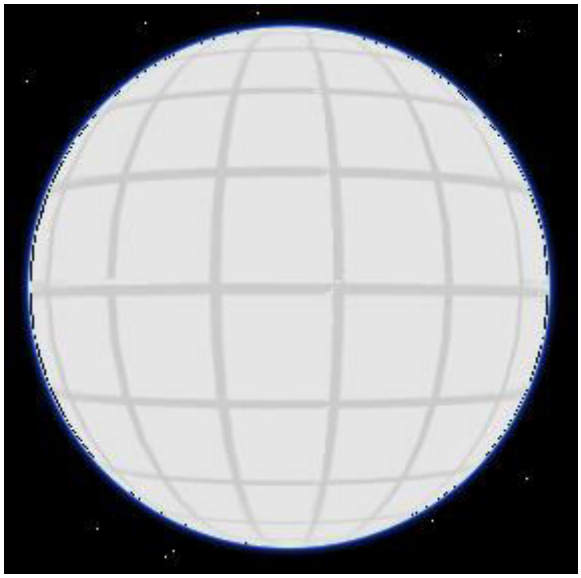

Layer
DynamicLayer
ArcGISDynamicMapServiceLayer
ArcGISImageServiceLayer
GPResultImageLayer
DynamicMapServiceLayer
WmsLayer
TiledLayer
ArcGISTiledMapServiceLayer
TiledMapServiceLayer
BingLayer
WebTiledLayer
OpenStreetMapLayer
WmtsLayer
ArcGISLocalTiledLayer
FeatureLayer
HydrographicS57Layer
GraphicsLayer
CsvLayer
GeoRssLayer
GroupLayer
MessageLayer
MessageSubLayer
KmlLayer
SceneLayer

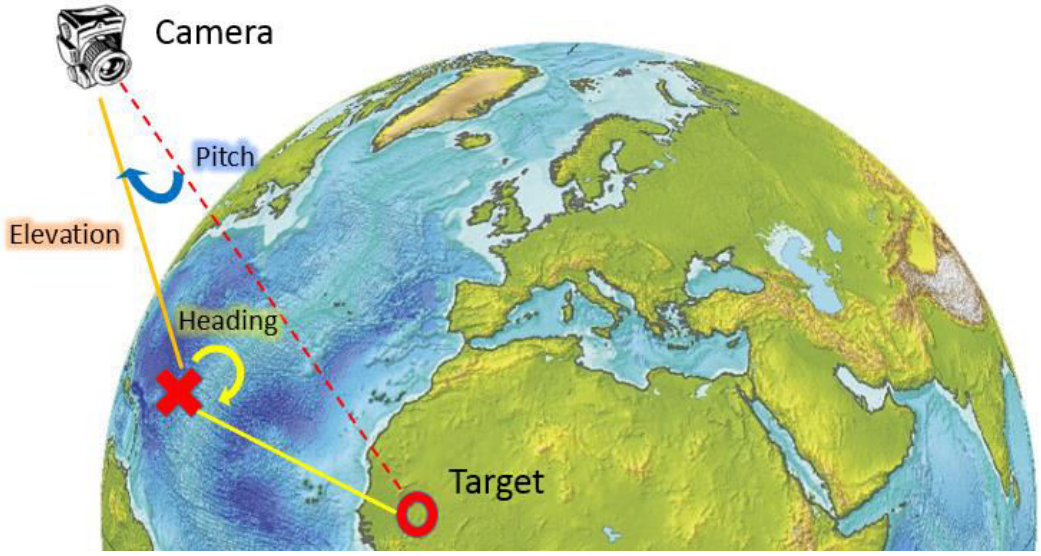


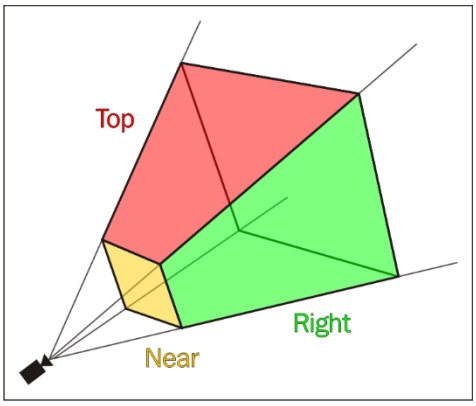
- 911CallsHotspot (GPServer)
- 911CallsHotspot (MapServer)
- Census (MapServer)
- CharlotteLAS (ImageServer)
- CommercialDamageAssessment (FeatureServer)
- CommercialDamageAssessment (MapServer)
- CommunityAddressing (FeatureServer)
- CommunityAddressing (MapServer)
- DamageAssessment (FeatureServer)
- DamageAssessment (MapServer)
- DamageAssessmentStatePlane (FeatureServer)
- DamageAssessmentStatePlane (MapServer)
- EmergencyFacilities (FeatureServer)

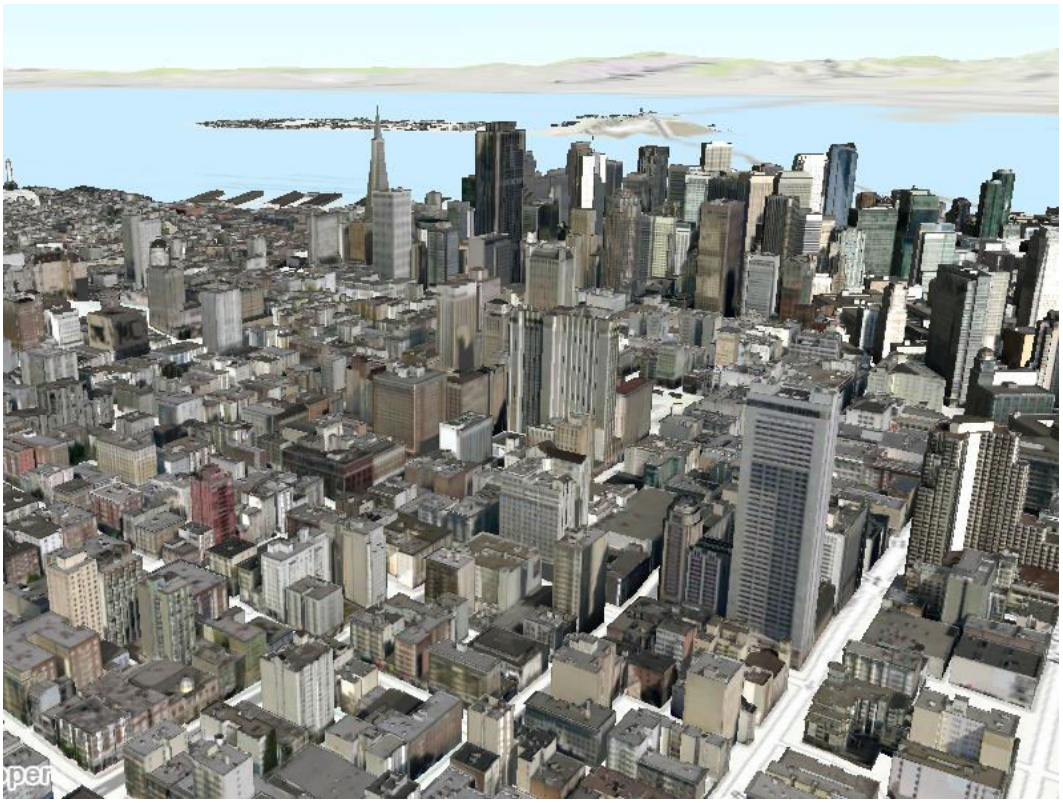

Licensed for Developer
Use Only

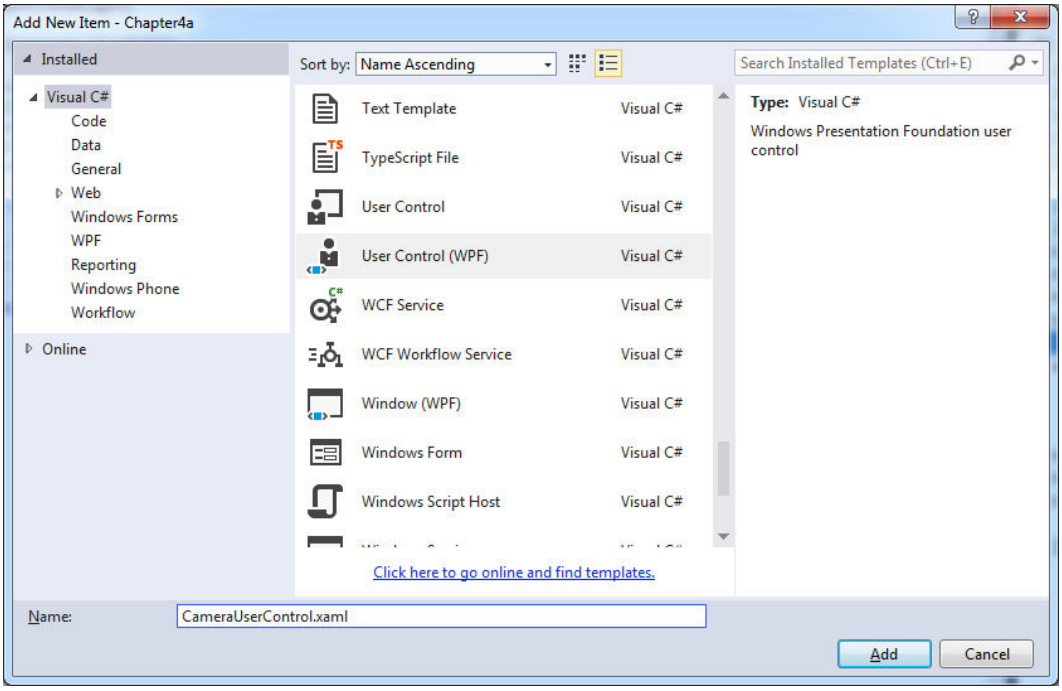
Chapter 4: From 2D to 3D

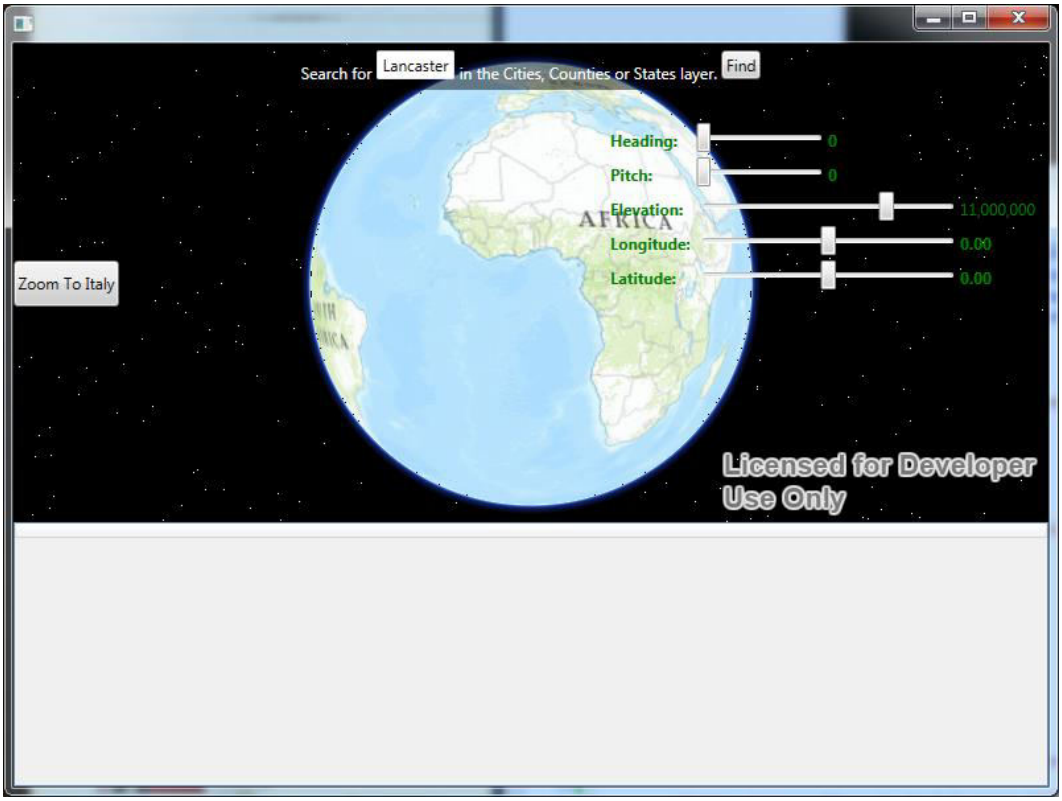


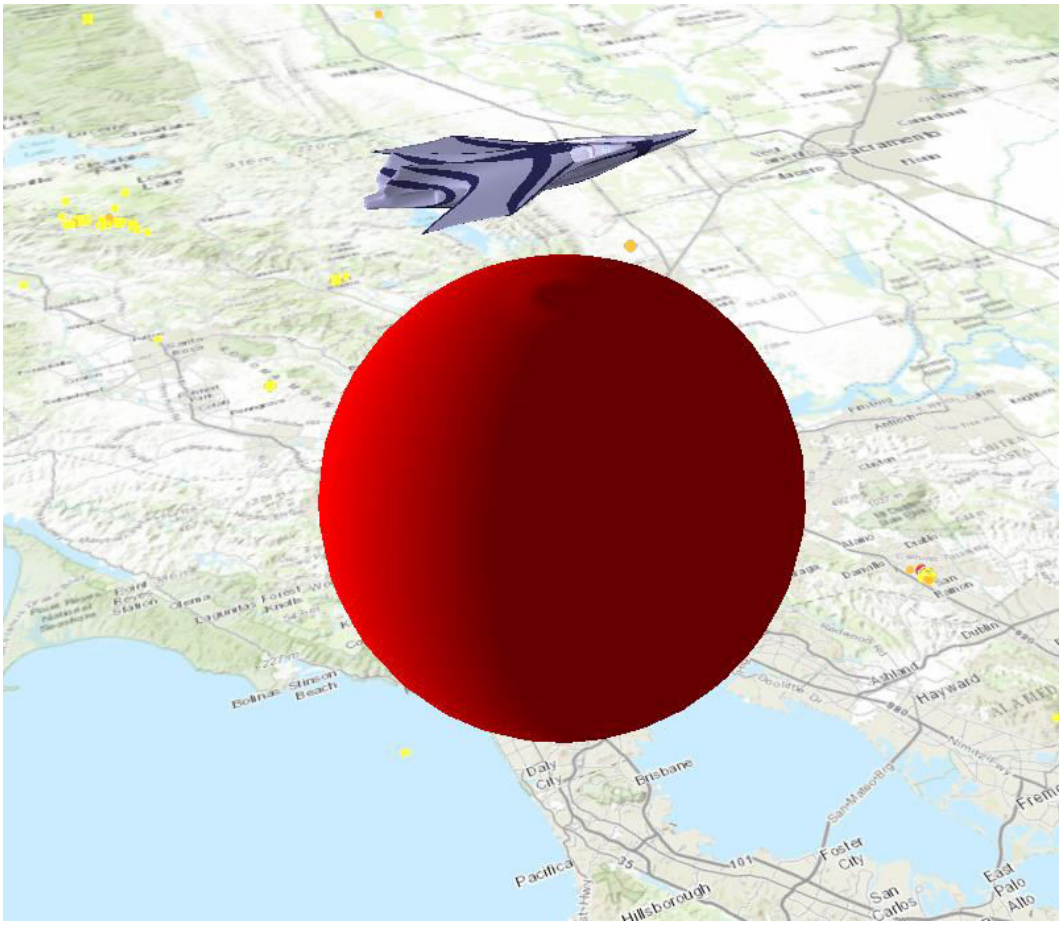

Camera
Pitch
Elevation
Heading
Target


Top
Right
Near

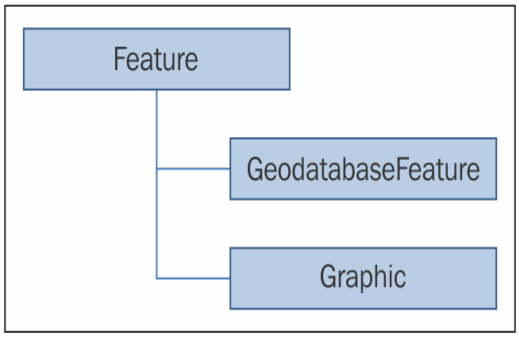


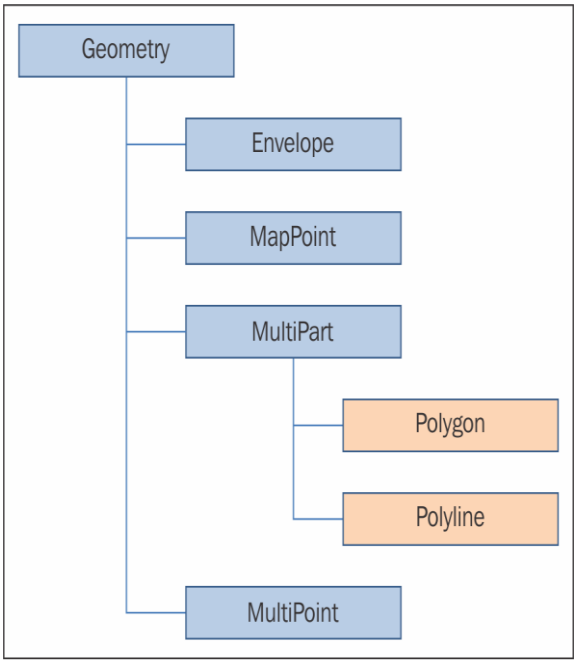

Add New Item - Chapter4a
Installed
Visual C#
Code
Data
General
Web
Windows Forms
WPF
Reporting
Windows Phone
Workflow
Online
Sort by: Name Ascending
Search Installed Templates (Ctrl+E)
Text Template Visual C#
TypeScript File Visual C#
User Control Visual C#
User Control (WPF) Visual C#
WCF Service Visual C#
WCF Workflow Service Visual C#
Window (WPF) Visual C#
Windows Form Visual C#
Windows Script Host Visual C#
Type: Visual C#
Windows Presentation Foundation user control
Click here to go online and find templates.
Name: CameraUserControl.xaml
Add
Cancel

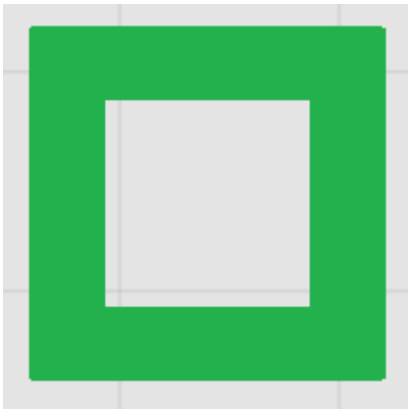

Search for
Lancaster
in the Cities, Counties or States layer.
Find
Heading:
0
Pitch:
0
Elevation:
11,000,000
Longitude:
0.00
Latitude:
0.00
AFRICA
Zoom To Italy
Licensed for Developer Use Only

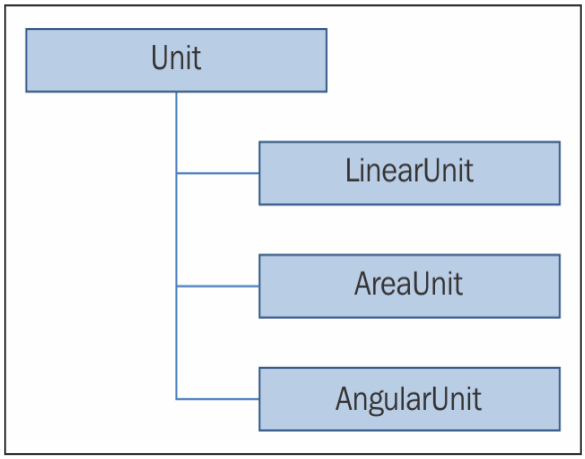

Sacramento
Daly City
Brisbane
Pacifica
Hillsborough
Foster City
San Carlos
East Palo Alto
Hayward
Ashland
San Ramon
Dublin
Bolinas
Stinson Beach
Fremont

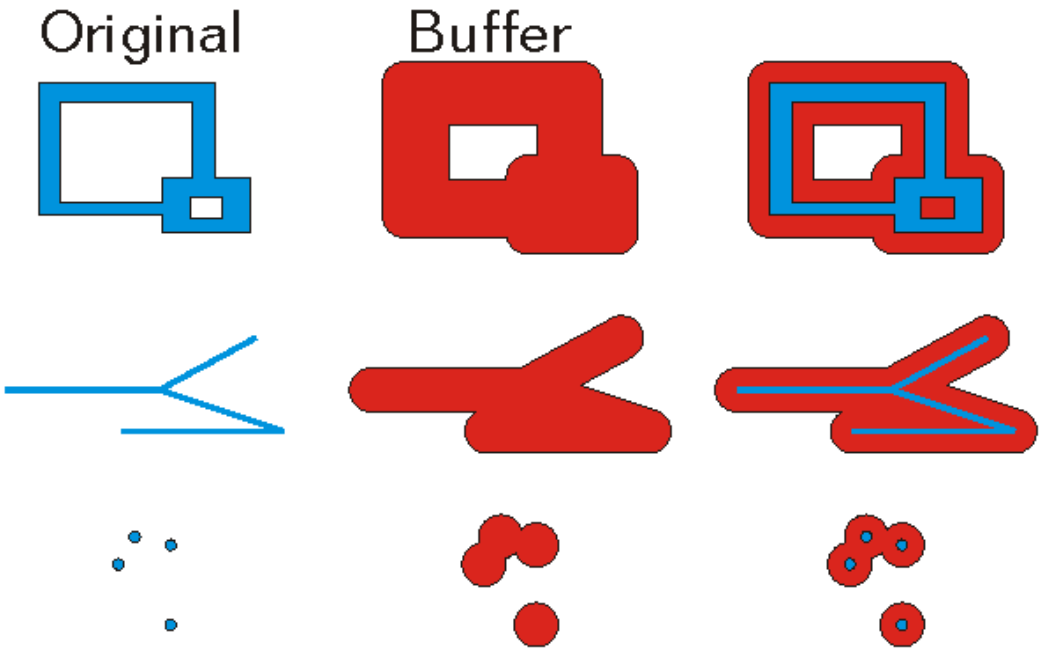
Chapter 5: Geometry and Symbology

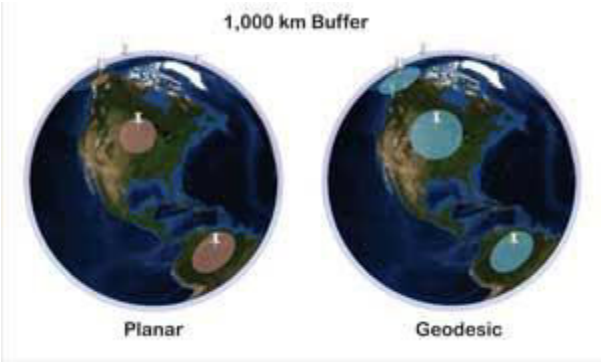


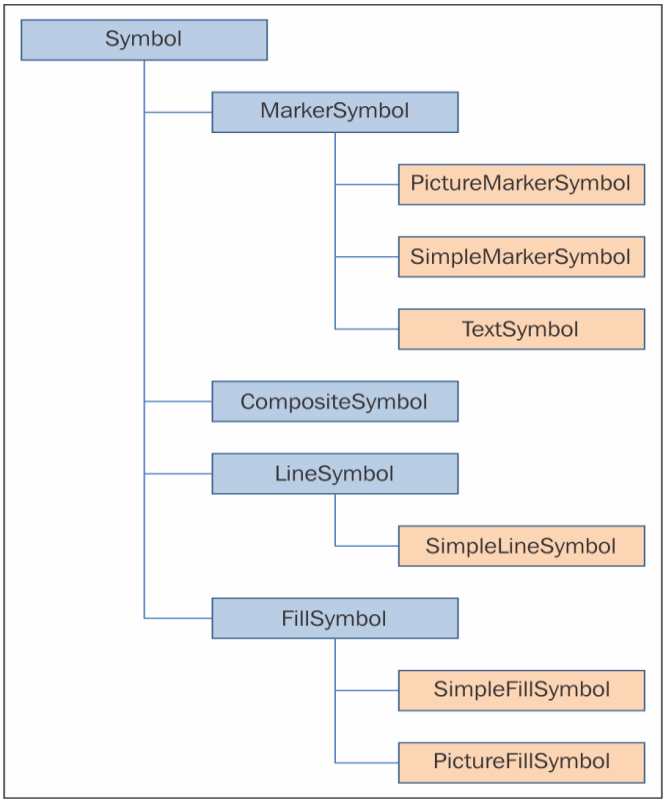


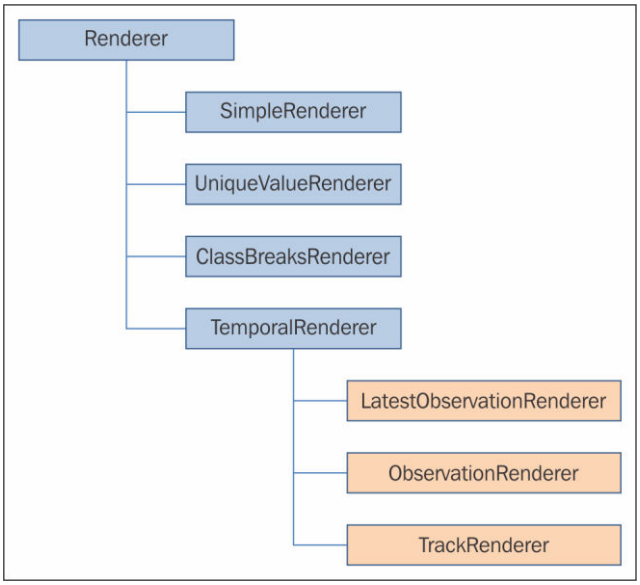


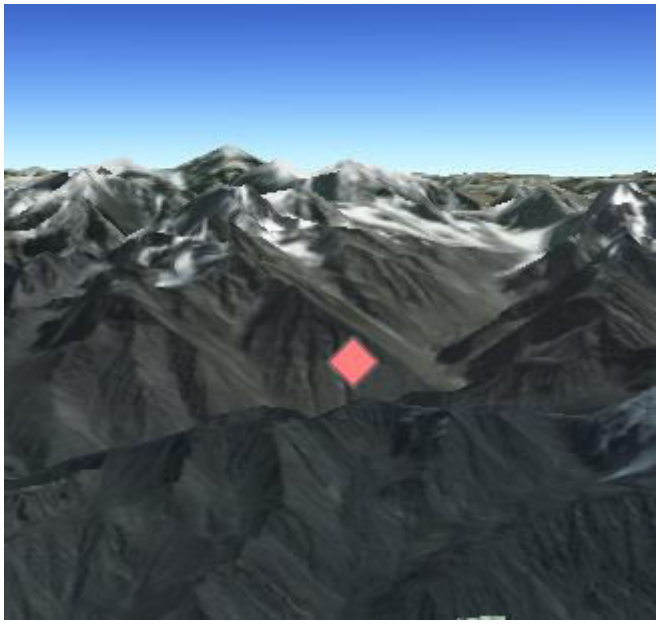

Unit
LinearUnit
AreaUnit
AngularUnit

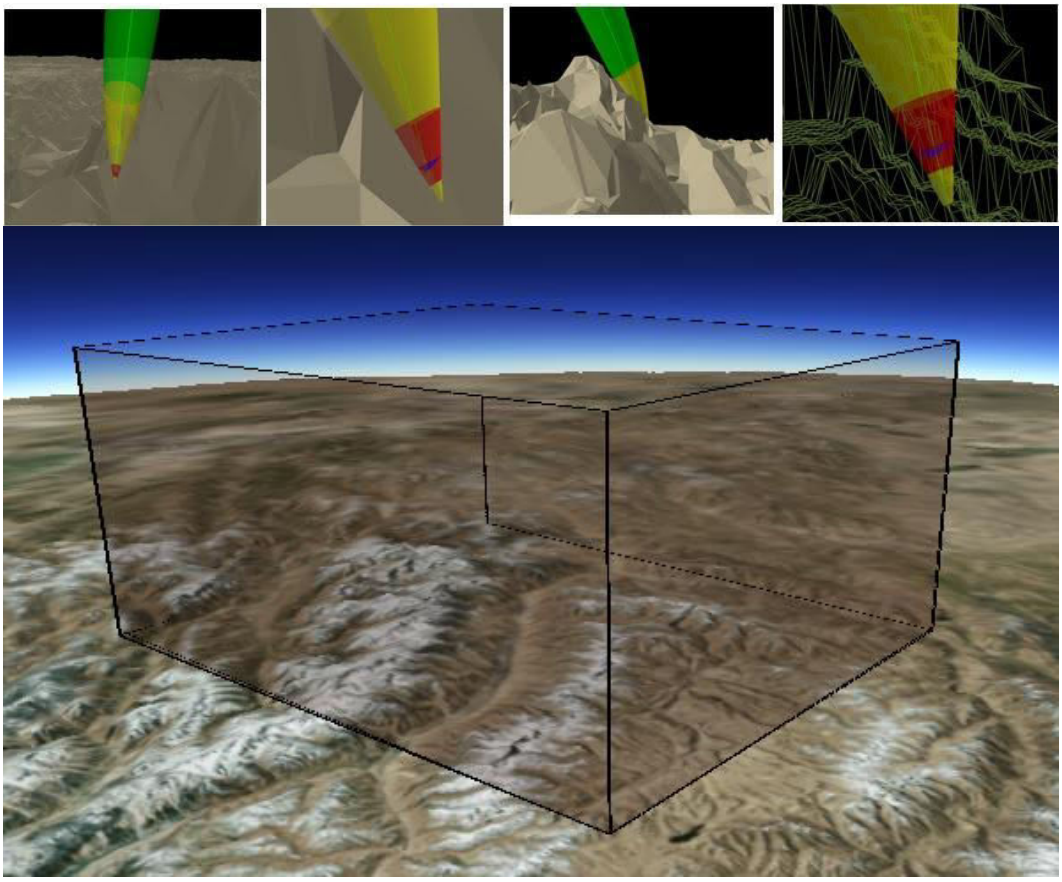

Original
Buffer


1,000 km Buffer
Planar
Geodesic

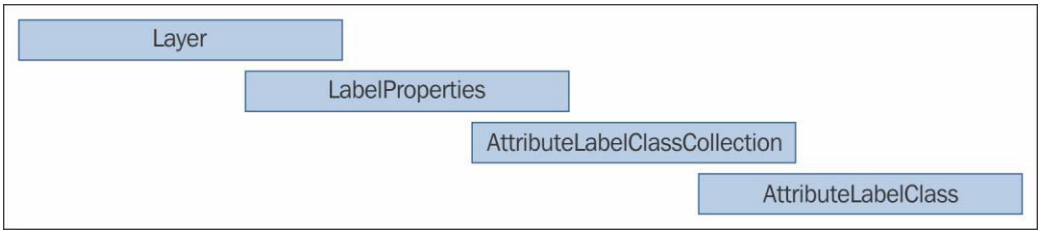

Symbol
MarkerSymbol
PictureMarkerSymbol
SimpleMarkerSymbol
TextSymbol
CompositeSymbol
LineSymbol
SimpleLineSymbol
FillSymbol
SimpleFillSymbol
PictureFillSymbol

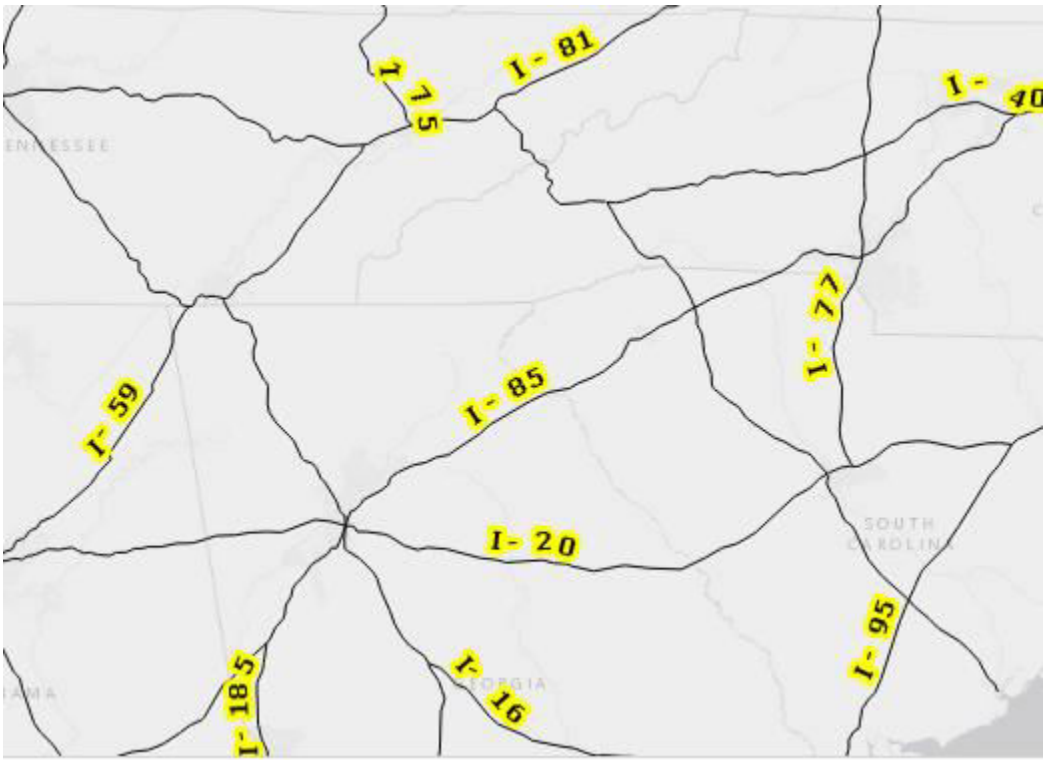

Renderer
SimpleRenderer
UniqueValueRenderer
ClassBreaksRenderer
TemporalRenderer
LatestObservationRenderer
ObservationRenderer
TrackRenderer



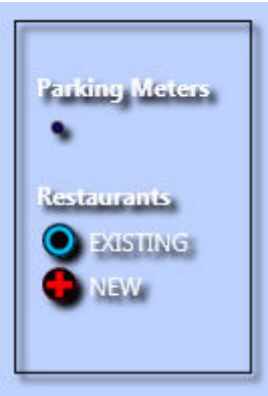


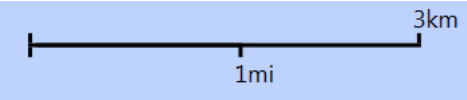
Chapter 6: Displaying Information





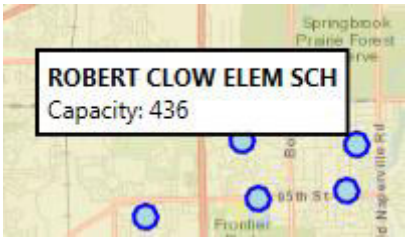

Carrier
11:44 AM
100%
Done
Soil Survey Geographic
Alfisols
Soil Survey Geographic
Andisols
Soil Survey Geographic
Aridisols
Soil Survey Geographic
Entisols
Soil Survey Geographic
Gelisols
Soil Survey Geographic
Histosols
Soil Survey Geographic
Inceptisols
Soil Survey Geographic
Miscellaneous area
Soil Survey Geographic
Mollisols
Soil Survey Geographic
Oxisols
esri

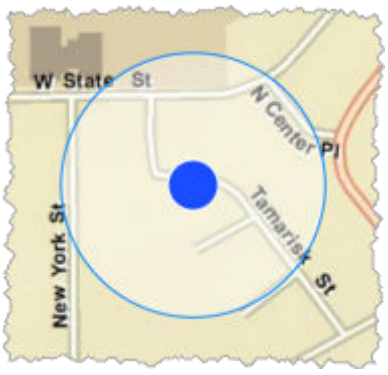

Parking Meters
Restaurants
EXISTING
NEW


3km
1mi

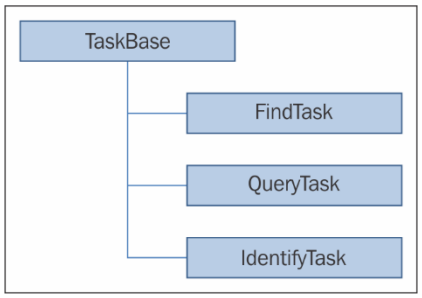

San Francisco

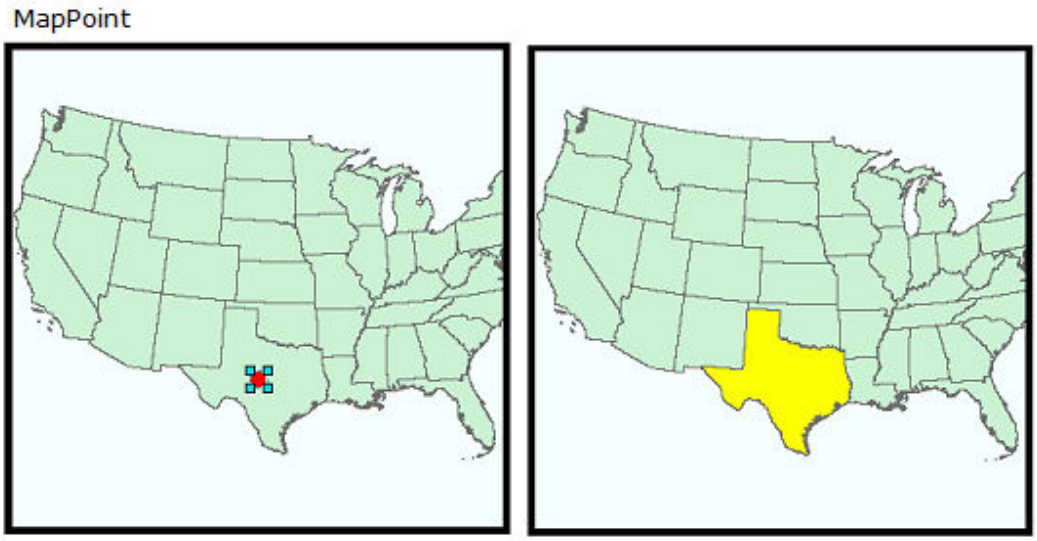

ID: 691-18240
Street: UNION ST

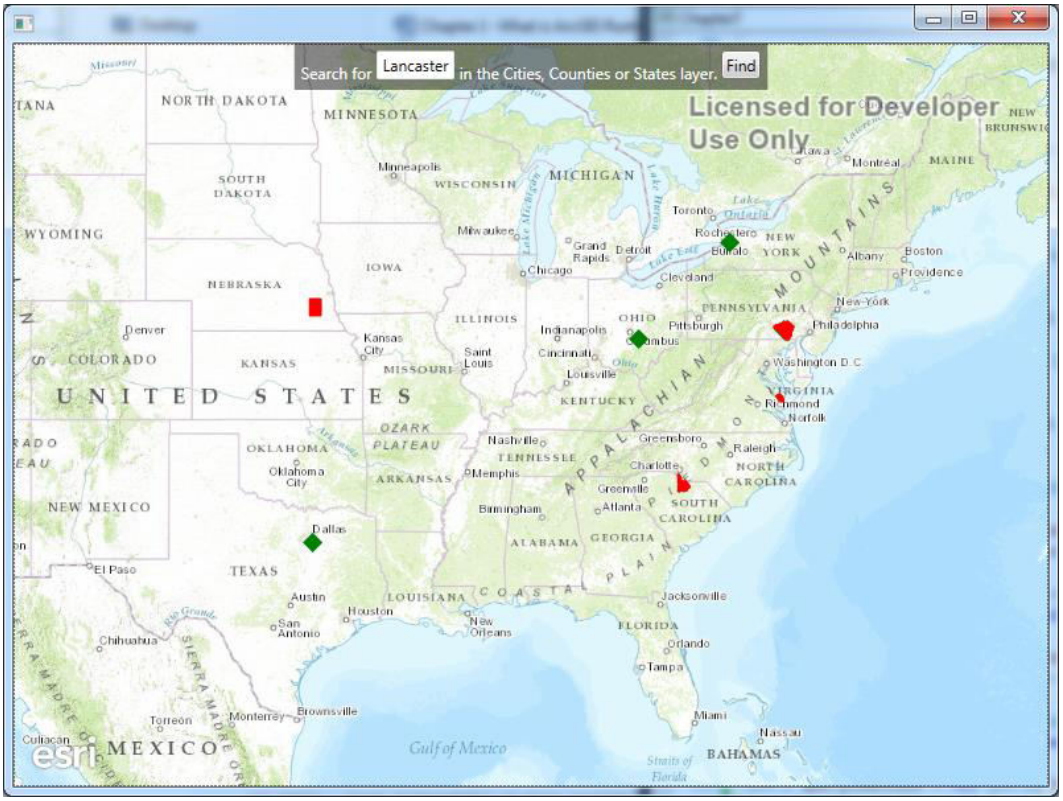

ROBERT CLOW ELEM SCH
Capacity: 436
Springbrook Prairie Forest
65th St
Frontier


W State St
N Center Pl
Tamarisk St
New York St

Chapter 7: Finding, Querying, and Identifying Features

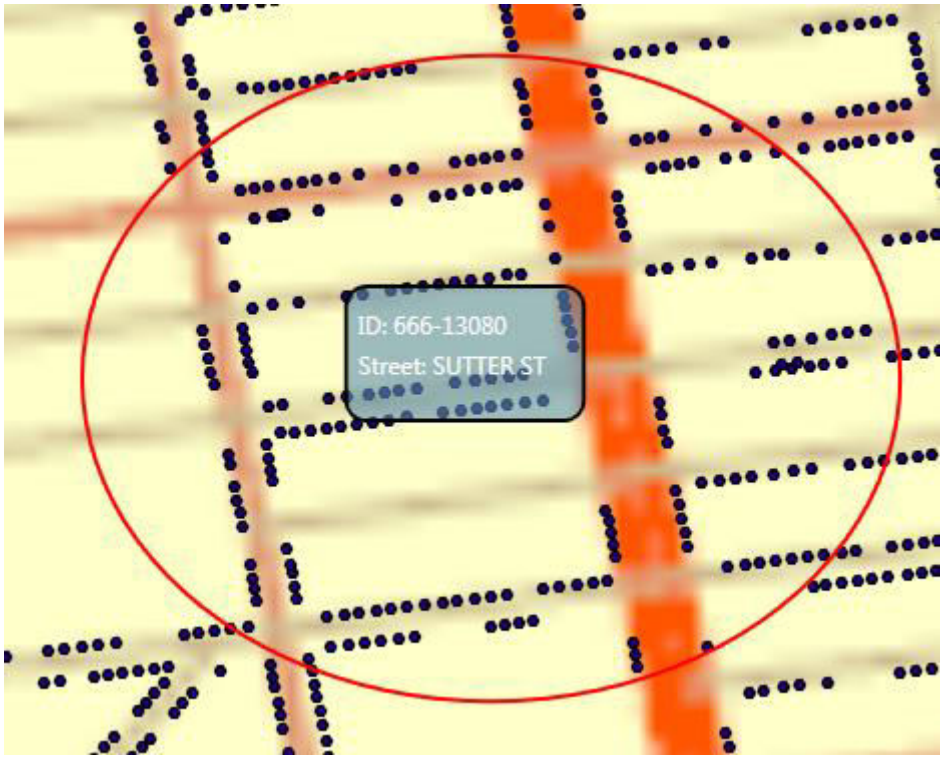


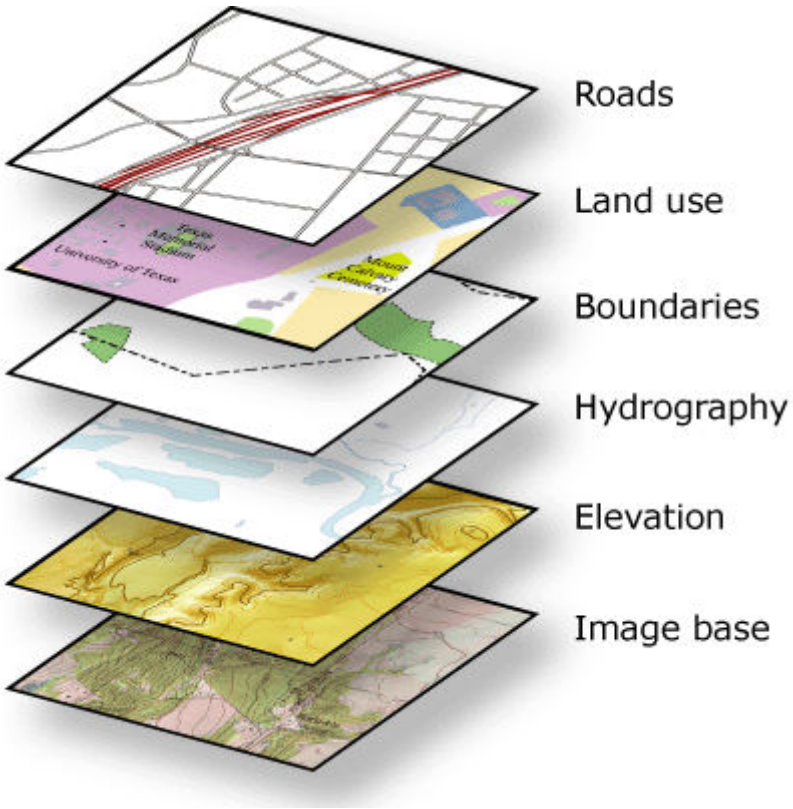



Search for Lancaster in the Cities, Counties or States layer.
Find
Licensed for Developer Use Only
NORTH DAKOTA
MINNESOTA
SOUTH DAKOTA
WISCONSIN
MICHIGAN
WYOMING
IOWA
NEBRASKA
ILLINOIS
OHIO
PENNSYLVANIA
COLORADO
KANSAS
MISSOURI
KENTUCKY
VIRGINIA
UNITED STATES
OKLAHOMA
TENNESSEE
NORTH CAROLINA
ARKANSAS
NEW MEXICO
SOUTH CAROLINA
GEORGIA
ALABAMA
TEXAS
LOUISIANA
FLORIDA
Minneapolis
Milwaukee
Chicago
Toronto
Rochester
Buffalo
Detroit
Grand Rapids
Cleveland
Albany
Boston
Providence
New York
Philadelphia
Washington D.C.
Pittsburgh
Indianapolis
Cincinnati
Louisville
Richmond
Norfolk
Nashville
Greensboro
Raleigh
Charlotte
Memphis
Greenville
Atlanta
Birmingham
Denver
Kansas City
Saint Louis
Oklahoma City
Dallas
El Paso
Austin
Houston
San Antonio
New Orleans
Jacksonville
Orlando
Tampa
Miami
Nassau
BAHAMAS
Chihuahua
Torreon
Monterrey
Brownsville
Culiacan
MEXICO
Gulf of Mexico
Straits of Florida
APPALACHIAN MOUNTAINS
OZARK PLATEAU
COASTAL PLAIN
esri

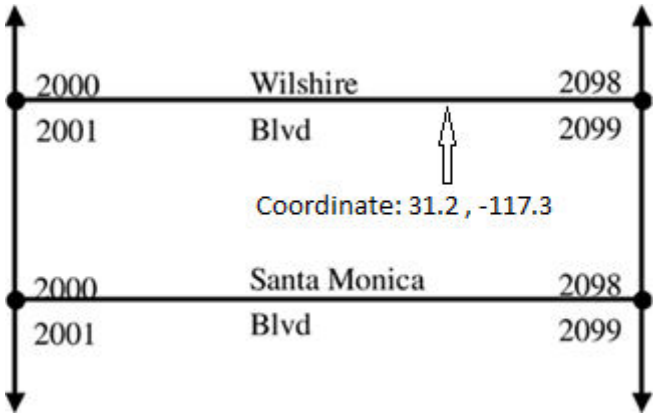
Relationships:

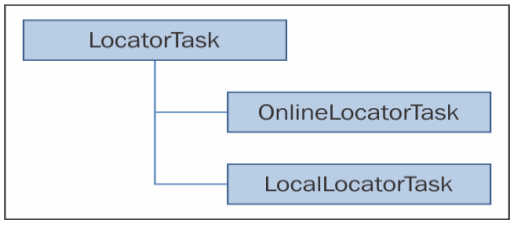
- Tops 2 Well (3) -- *Related To:* Wells (0)

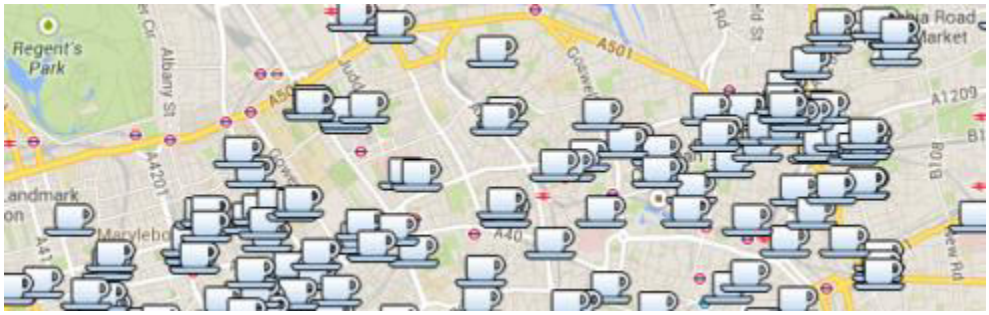


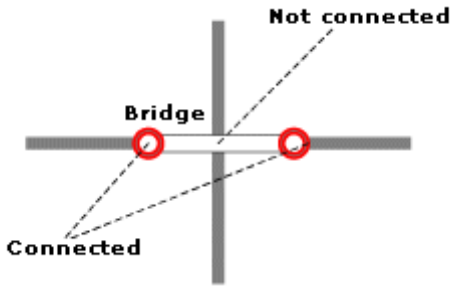

Roads
Land use
Boundaries
Hydrography
Elevation
Image base

Chapter 8: Geocoding and Routing









Route Layers:

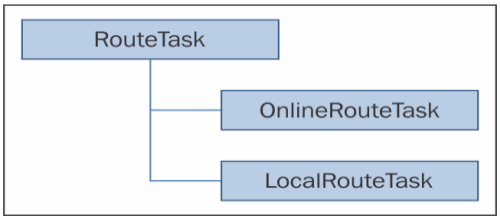
- Route

Closest Facility Layers:

- ClosestFacility

Service Area Layers:

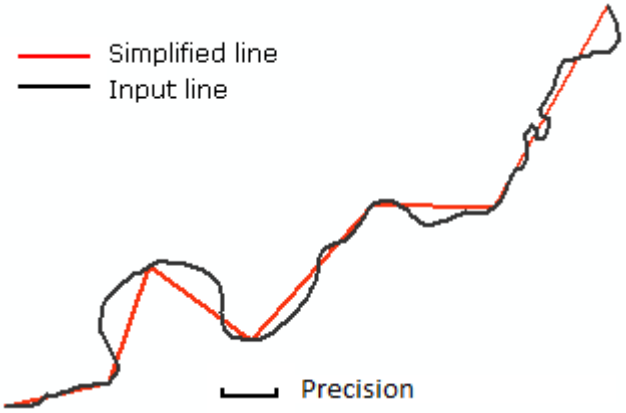
- ServiceArea



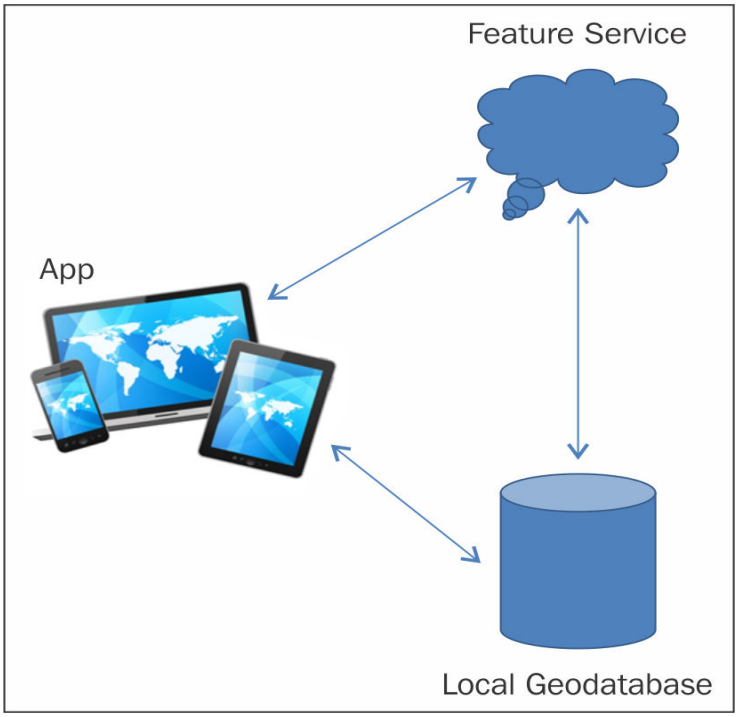
- **Minutes**

  Usage Type: esriNAUTCost
  Units: esriNAUMinutes
  Data Type: esriNADTDouble
  Restriction Usage ParameterName: null
  Parameter Names:
- **Meters**

  Usage Type: esriNAUTCost
  Units: esriNAUMeters
  Data Type: esriNADTDouble
  Restriction Usage ParameterName: null
  Parameter Names:


Simplified line
Input line
Precision

Chapter 9: Editing Features



ArcGIS REST Services Directory

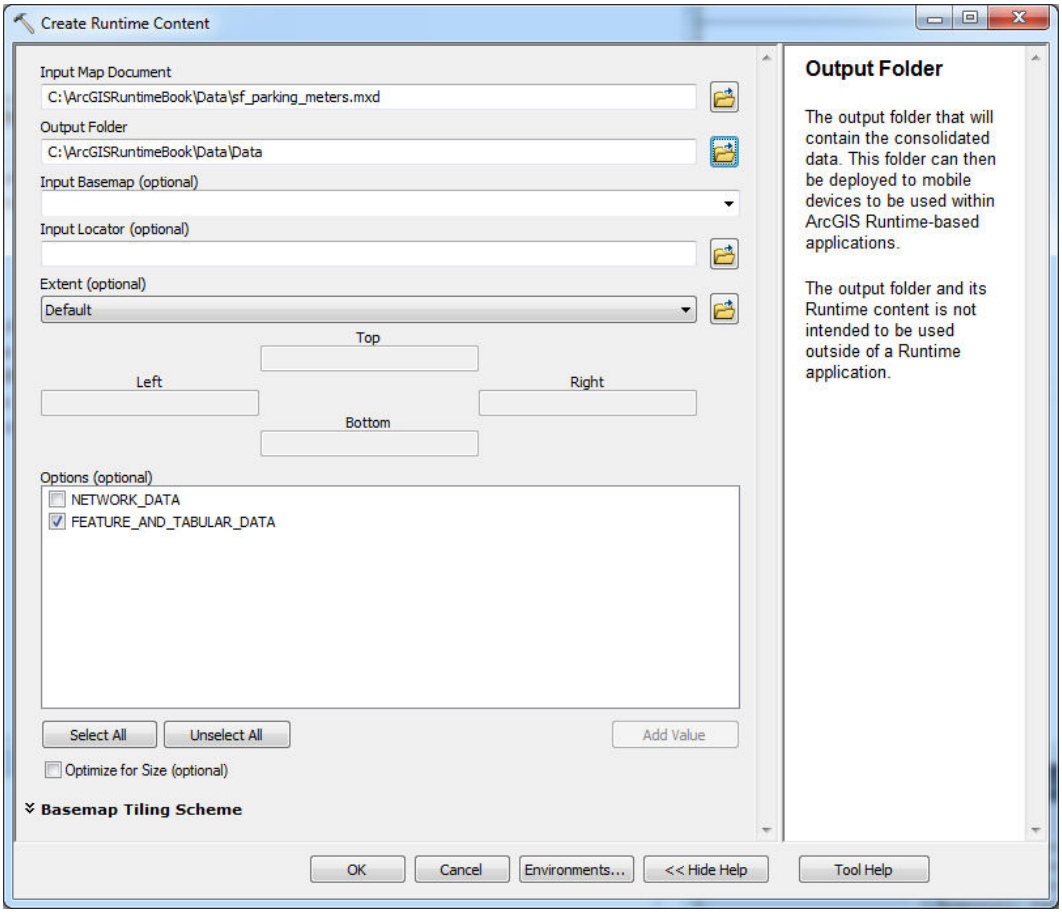
Home > services > sf_parking_meters (FeatureServer) > *createReplica*

Create Replica : (sf_parking_meters)

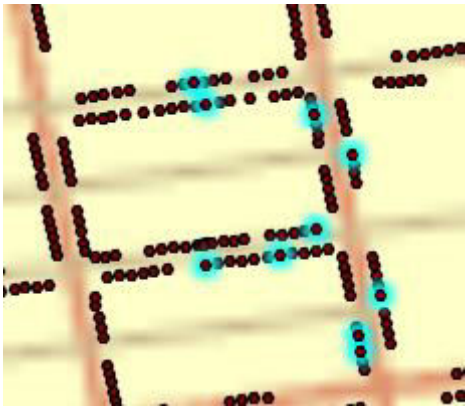
Replica Name:	test1
Layers:	0
Layer Queries:	
Geometry:	"xmin": -122.7, "ymin": 37.64, "xmax": -122.25, "ymax": 37.9
Geometry Type:	Envelope ▼
Input Spatial Reference:	4326
Replica Spatial Reference:	
Transport Type:	Url ▼
Return Attachments:	○ True ◉ False
Return Attachments Data By Url:	○ True ◉ False
Create Replica Asynchronously:	○ True ◉ False
Sync Model:	perLayer ▼
Data Format:	sqlite ▼
Replica Options:	
Format:	HTML ▼

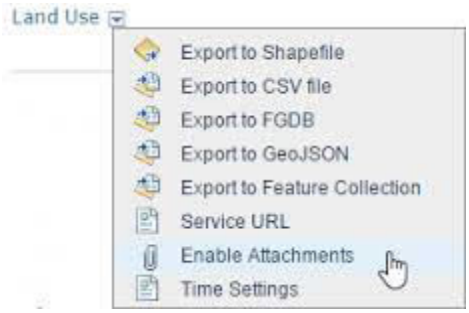
Create Replica


```
{
 "transportType": "esriTransportTypeUrl",
 "responseType": "esriReplicaResponseTypeData",
 "URL": "http://localhost/was/rest/directories/arcgisoutput/sf_parking_meters_MapServer/_ags_data{4106EEFA33BB4A399AE3773F8FC14C3D}.geodatabase"
}
```

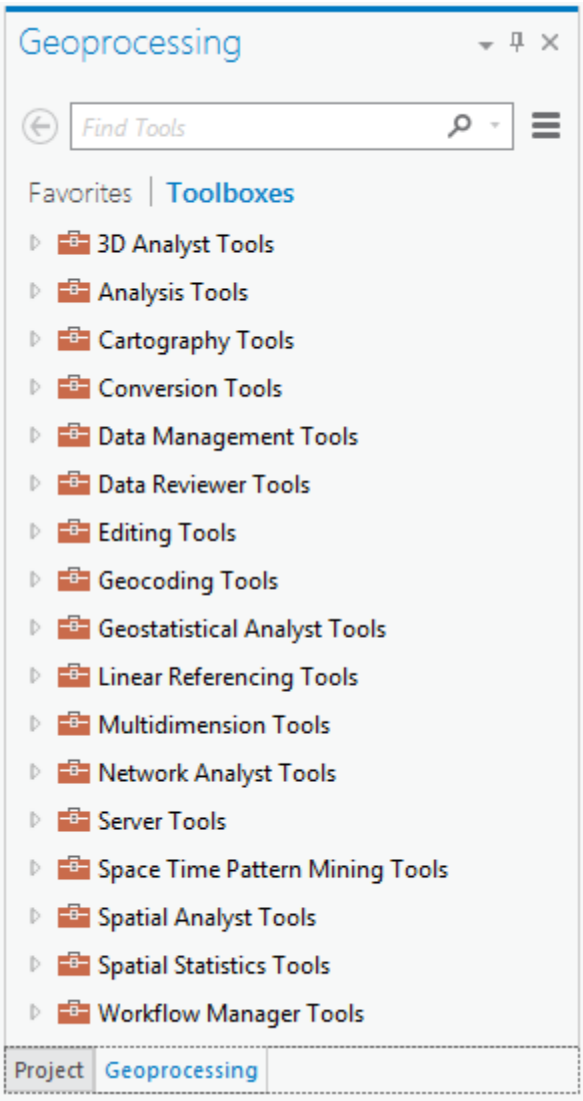

Create Runtime Content
Input Map Document
C:\ArcGISRuntimeBook\Data\sf_parking_meters.mxd
Output Folder
C:\ArcGISRuntimeBook\Data\Data
Input Basemap (optional)
Input Locator (optional)
Extent (optional)
Default
Top
Left
Right
Bottom
Options (optional)
NETWORK_DATA
FEATURE_AND_TABULAR_DATA
Select All
Unselect All
Add Value
Optimize for Size (optional)
Basemap Tiling Scheme
Output Folder
The output folder that will contain the consolidated data. This folder can then be deployed to mobile devices to be used within ArcGIS Runtime-based applications.
The output folder and its Runtime content is not intended to be used outside of a Runtime application.
OK
Cancel
Environments...
<< Hide Help
Tool Help

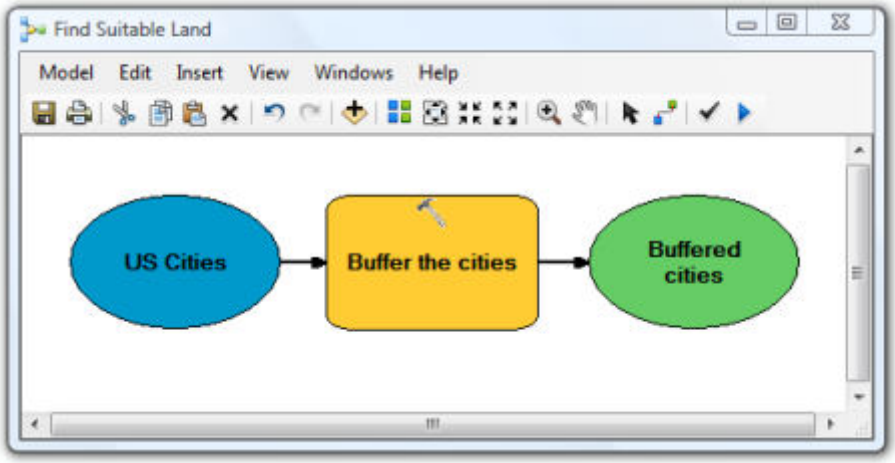

MALI
NIGER
CHAD
NIGERIA
ETHIOPIA
DEMOCRATIC REPUBLIC OF THE CONGO
TANZANIA
ANGOLA
ZAMBIA




Land Use
Export to Shapefile
Export to CSV file
Export to FGDB
Export to GeoJSON
Export to Feature Collection
Service URL
Enable Attachments
Time Settings

Chapter 10: Spatial Analysis


Geoprocessing
Find Tools
Favorites
Toolboxes
3D Analyst Tools
Analysis Tools
Cartography Tools
Conversion Tools
Data Management Tools
Data Reviewer Tools
Editing Tools
Geocoding Tools
Geostatistical Analyst Tools
Linear Referencing Tools
Multidimension Tools
Network Analyst Tools
Server Tools
Space Time Pattern Mining Tools
Spatial Analyst Tools
Spatial Statistics Tools
Workflow Manager Tools
Project
Geoprocessing



ArcGIS REST Services Directory

Home > services > Elevation > ESRI_Elevation_World (GPServer)

JSON | SOAP | WPS

Elevation/ESRI_Elevation_World (GPServer)

Service Description: Calculates the viewshed of a point given a user c

Tasks:

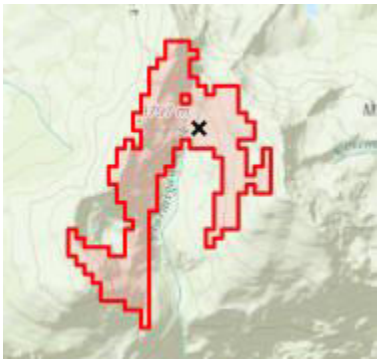
- Viewshed

Execution Type: esriExecutionTypeSynchronous

Result Map Server Name:

MaximumRecords: 1000

Child Resources: Info



Task: Viewshed

Display Name: Viewshed

Description: Calculates the viewshed of a point given a user defined location and viewing distance.

Category:

Help URL:
http://sampleserver6.arcgisonline.com/arcgis/rest/directories/arcgisoutput/Elevation/ESRI_Elevation_World_GPServer/Elevation_ESRI

Execution Type: esriExecutionTypeSynchronous ⇦ synchronous or asynchronous

Parameters: ⇦ Parameters

Parameter: Input_Observation_Point ⇦ Parameter name
Data Type: GPFeatureRecordSetLayer ⇦ Data Type
Display Name Input_Observation_Point
Description: The input location from which the viewshed should be calculated.
Direction: esriGPParameterDirectionInput ⇦ Direction: input or output
Default Value:
Geometry Type: esriGeometryPoint
HasZ: false
HasM: false
Spatial Reference: 54003 (54003)

Fields:
- OBJECTID *(type: esriFieldTypeOID , alias: OBJECTID)*
- OffsetA *(type: esriFieldTypeSmallInteger , alias: OffsetA)*

Features: *None.*

Parameter Type: esriGPParameterTypeRequired ⇦ Required or Optional
Category:

Parameter: Viewshed_Distance
Data Type: GPLinearUnit
Display Name Viewshed_Distance
Description: The maximum distance from the input point for which the viewshed should be calculated. The maximum allowed distance is 20000 meters.
Direction: esriGPParameterDirectionInput
Default Value: 15000.0 (esriMeters)
Parameter Type: esriGPParameterTypeRequired
Category:

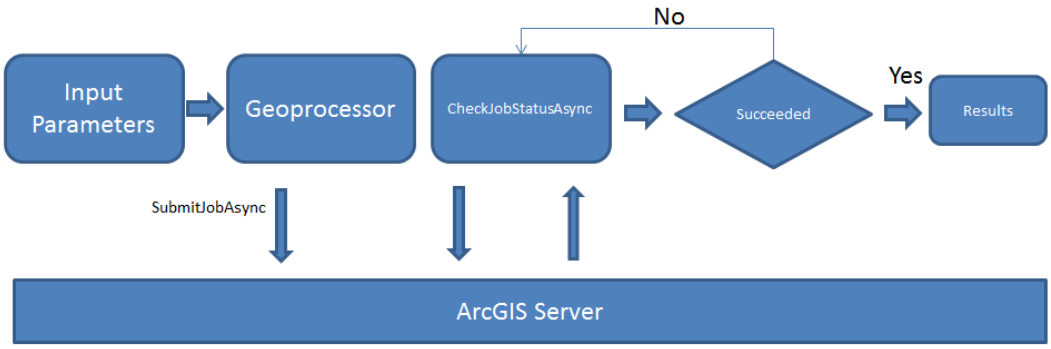
Parameter: Viewshed_Result
Data Type: GPFeatureRecordSetLayer
Display Name Viewshed_Result
Description: The resulting viewshed feature class given the user location and maximum distance.
Direction: esriGPParameterDirectionOutput
Default Value:
Geometry Type: esriGeometryPolygon
HasZ: false
HasM: false
Spatial Reference: 54003 (54003)

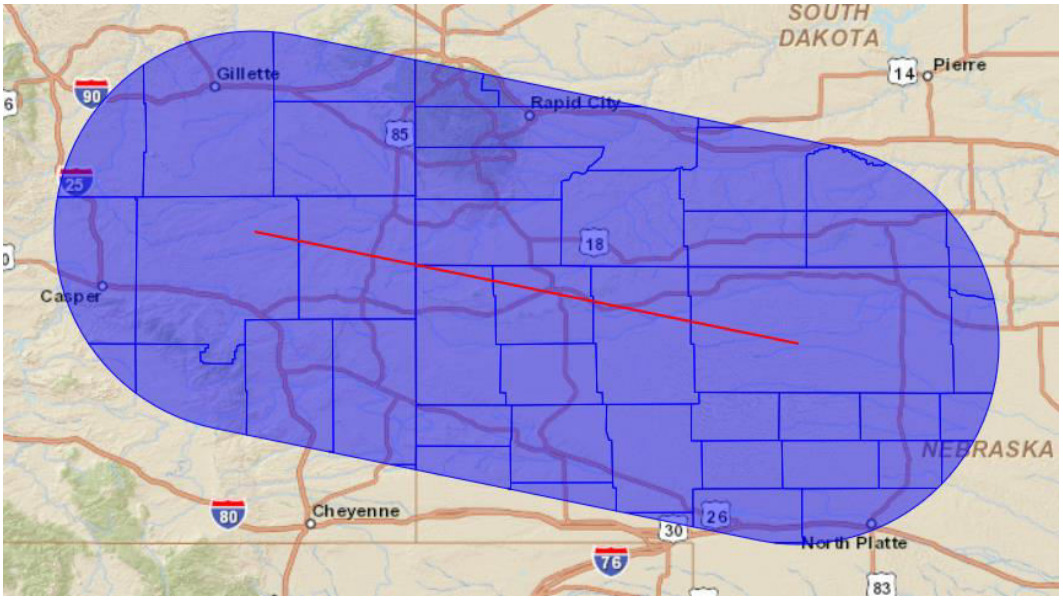
Fields:

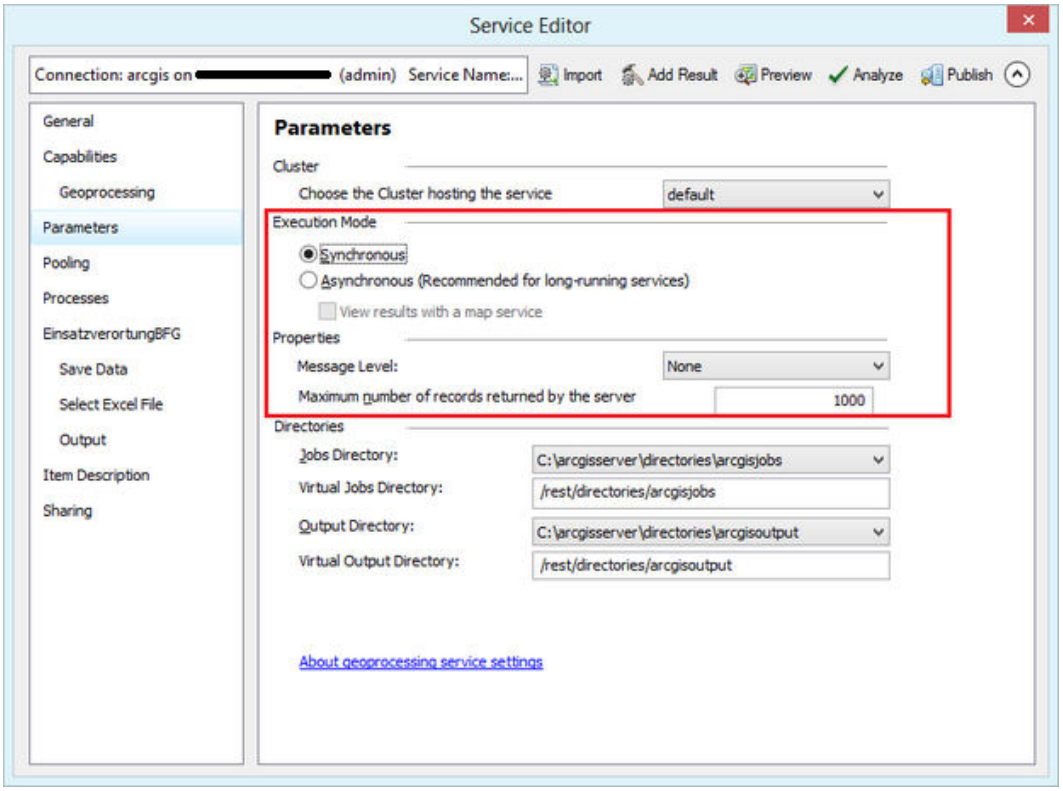
- OBJECTID *(type: esriFieldTypeOID , alias: OBJECTID)*
- Id *(type: esriFieldTypeInteger , alias: Id)*
- grid_code *(type: esriFieldTypeInteger , alias: grid_code)*
- Shape_Length *(type: esriFieldTypeDouble , alias: Shape_Length)*
- Shape_Area *(type: esriFieldTypeDouble , alias: Shape_Area)*

Features: *None.*

Parameter Type: esriGPParameterTypeRequired
Category:




SOUTH
DAKOTA
Pierre
Gillette
Rapid City
Casper
NEBRASKA
Cheyenne
North Platte
90
85
25
18
80
30
26
76
14
83


Service Editor
Connection: arcgis on [redacted] (admin) Service Name:...
Import
Add Result
Preview
Analyze
Publish
General
Capabilities
Geoprocessing
Parameters
Pooling
Processes
EinsatzverortungBFG
Save Data
Select Excel File
Output
Item Description
Sharing
Parameters
Cluster
Choose the Cluster hosting the service
default
Execution Mode
Synchronous
Asynchronous (Recommended for long-running services)
View results with a map service
Properties
Message Level:
None
Maximum number of records returned by the server
1000
Directories
Jobs Directory:
C:\arcgisserver\directories\arcgisjobs
Virtual Jobs Directory:
/rest/directories/arcgisjobs
Output Directory:
C:\arcgisserver\directories\arcgisoutput
Virtual Output Directory:
/rest/directories/arcgisoutput
About geoprocessing service settings

ArcGISRuntime REST Services Directory

»JSON

Task: (ClipFeatures)

Execution Type: **Asynchronous**

Supported Operations: Submit Job

Input Parameters

Linear_Unit (required parameter)

Type: **GPLinearUnit**

Input (required parameter)

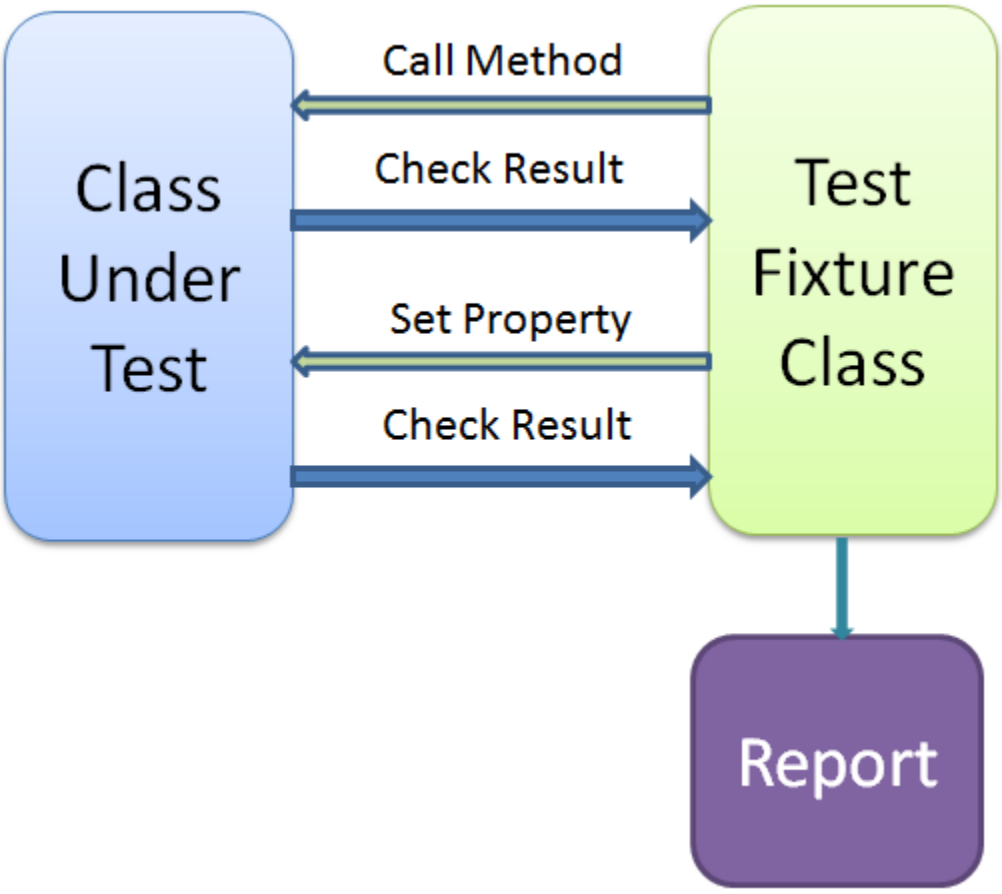
Type: **GPFeatureRecordSetLayer**

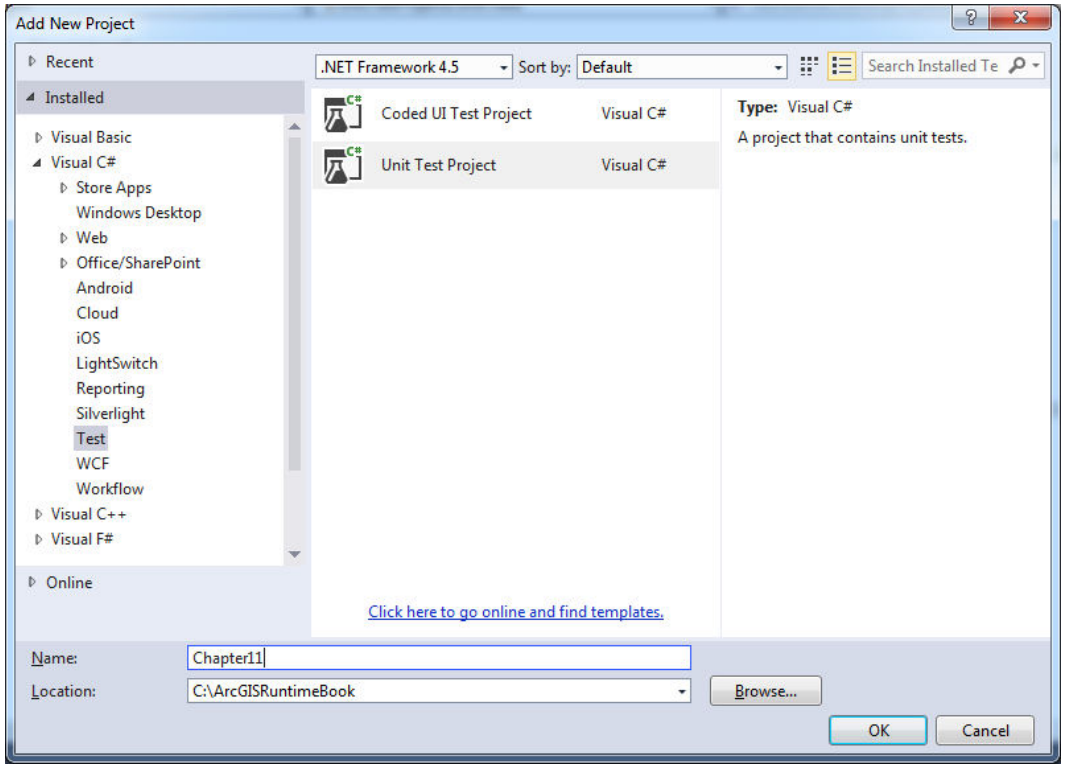
Result Parameters

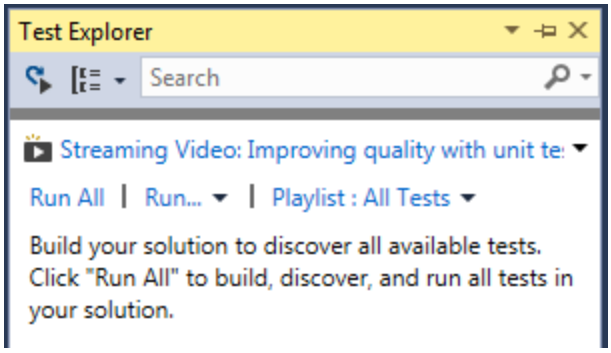
Clipped_Counties

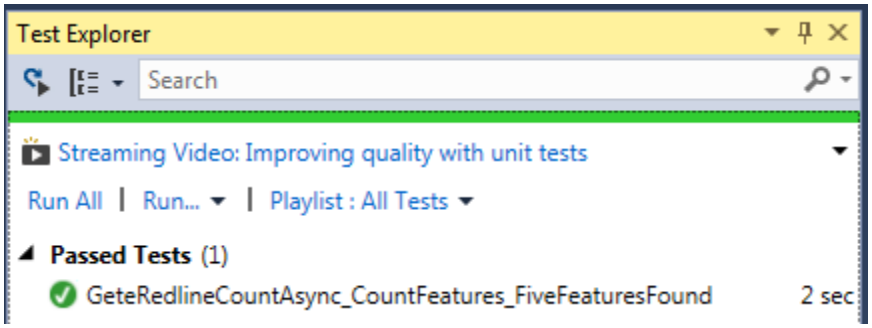
Type: **GPFeatureRecordSetLayer**

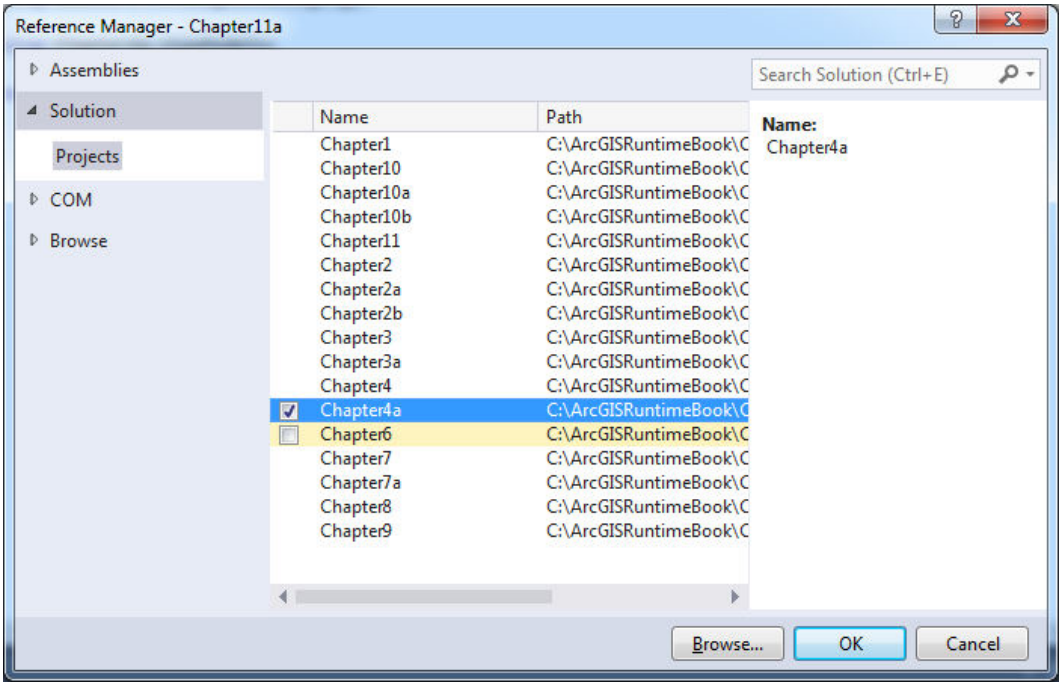
Chapter 11: Testing and Performance

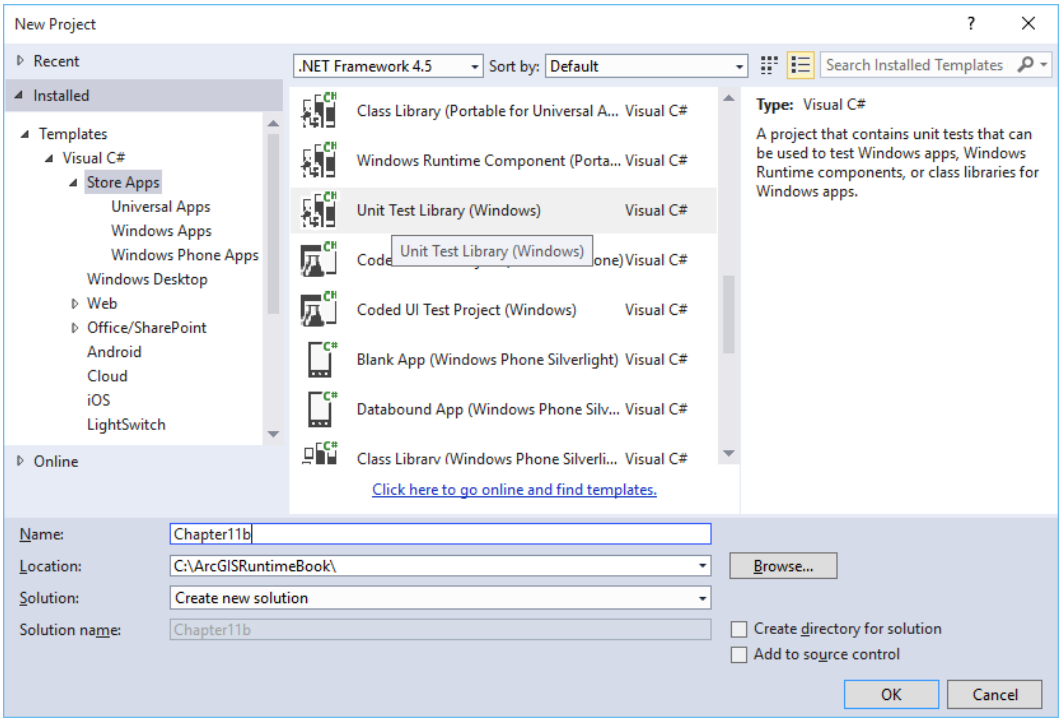



Add New Project
Recent
Installed
Visual Basic
Visual C#
Store Apps
Windows Desktop
Web
Office/SharePoint
Android
Cloud
iOS
LightSwitch
Reporting
Silverlight
Test
WCF
Workflow
Visual C++
Visual F#
Online
.NET Framework 4.5
Sort by:
Default
Search Installed Te
Coded UI Test Project
Visual C#
Unit Test Project
Visual C#
Type: Visual C#
A project that contains unit tests.
Click here to go online and find templates.
Name:
Chapter11
Location:
C:\ArcGISRuntimeBook
Browse...
OK
Cancel

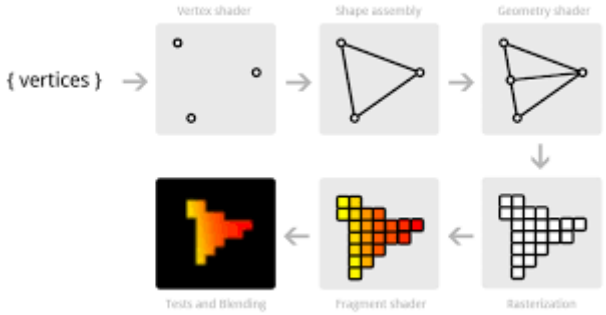

Test Explorer
Search
Streaming Video: Improving quality with unit te
Run All | Run... | Playlist : All Tests
Build your solution to discover all available tests.
Click "Run All" to build, discover, and run all tests in your solution.

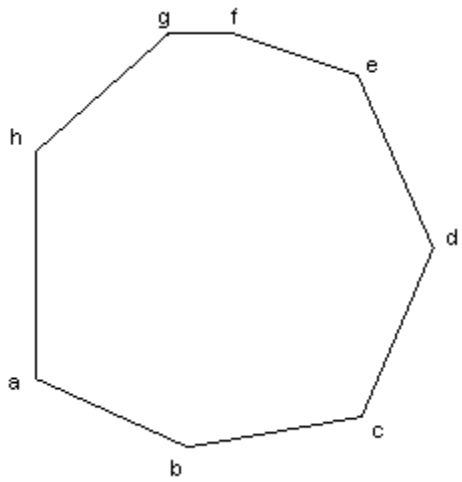

Test Explorer
Search
Streaming Video: Improving quality with unit tests
Run All | Run... | Playlist : All Tests
Passed Tests (1)
GeteRedlineCountAsync_CountFeatures_FiveFeaturesFound
2 sec

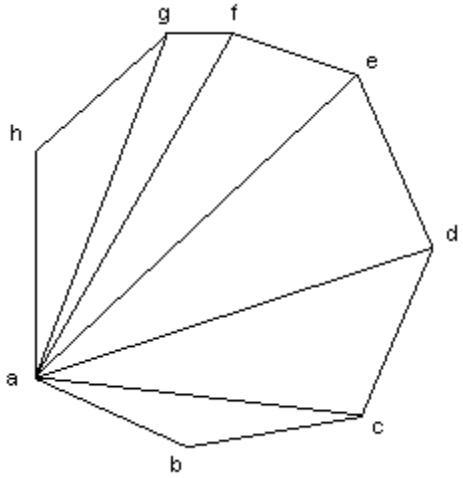

Reference Manager - Chapter11a
Assemblies
Solution
Projects
COM
Browse
Search Solution (Ctrl+E)
Name
Path
Chapter1 C:\ArcGISRuntimeBook\C
Chapter10 C:\ArcGISRuntimeBook\C
Chapter10a C:\ArcGISRuntimeBook\C
Chapter10b C:\ArcGISRuntimeBook\C
Chapter11 C:\ArcGISRuntimeBook\C
Chapter2 C:\ArcGISRuntimeBook\C
Chapter2a C:\ArcGISRuntimeBook\C
Chapter2b C:\ArcGISRuntimeBook\C
Chapter3 C:\ArcGISRuntimeBook\C
Chapter3a C:\ArcGISRuntimeBook\C
Chapter4 C:\ArcGISRuntimeBook\C
Chapter4a C:\ArcGISRuntimeBook\C
Chapter6 C:\ArcGISRuntimeBook\C
Chapter7 C:\ArcGISRuntimeBook\C
Chapter7a C:\ArcGISRuntimeBook\C
Chapter8 C:\ArcGISRuntimeBook\C
Chapter9 C:\ArcGISRuntimeBook\C
Name:
Chapter4a
Browse...
OK
Cancel

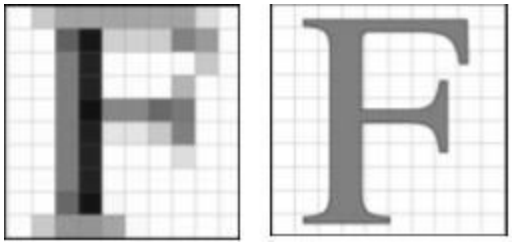


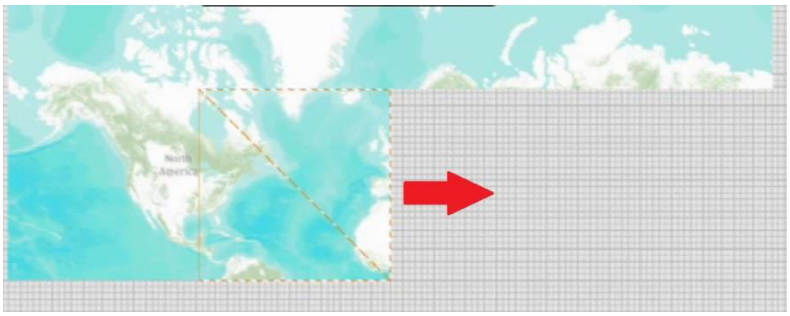
Software Technology Performance Factors				
Software		Desktop	Graphics	Density/Portal
AGS103 REST			2D	V ector Only
2.13 Mbpd				
Complexity	%DataCache	Resolution	Output	Client Traffic
Med_Medium	0%	WebDefault	Default	2.13 Mbpd



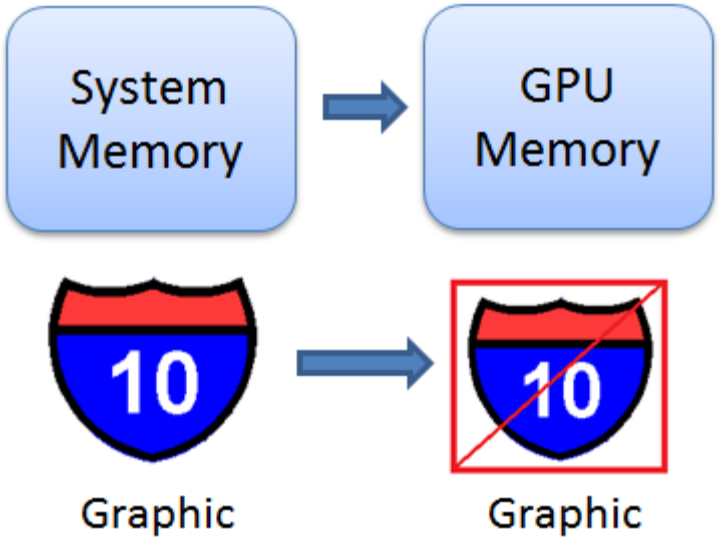

g
f
e
h
d
a
c
b


g
f
e
h
d
a
c
b

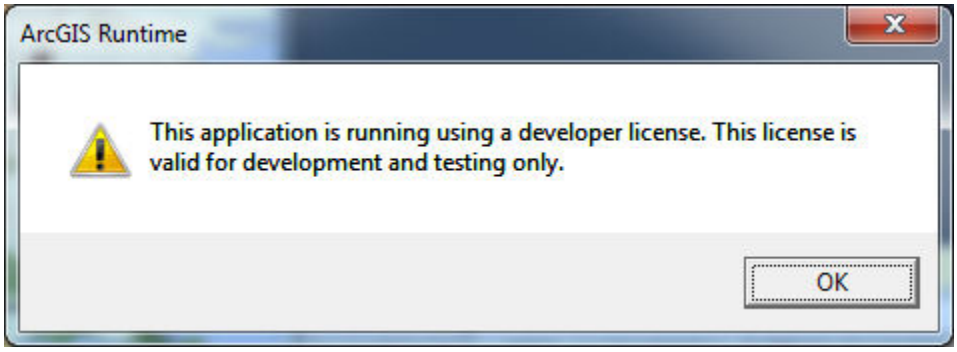




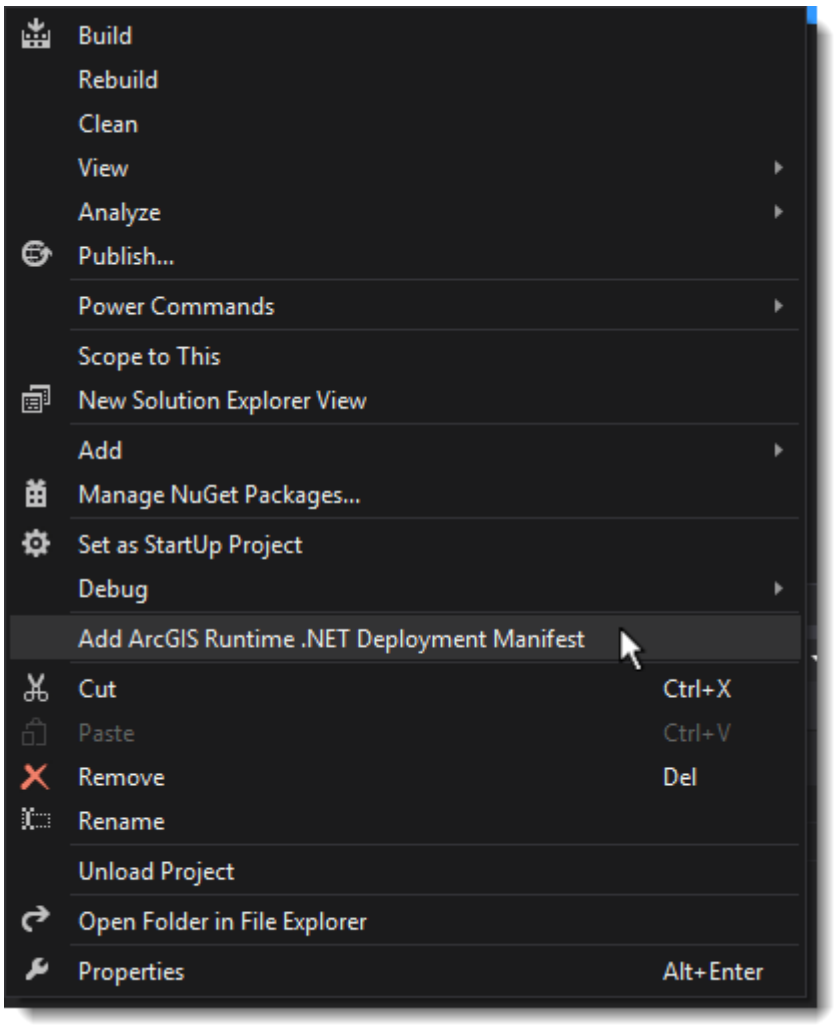

R

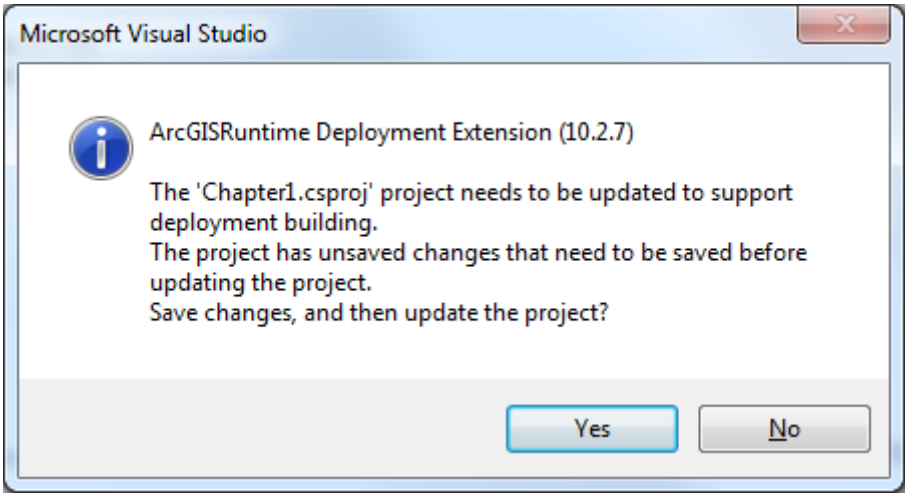

System Memory
GPU Memory
10
10
Graphic
Graphic

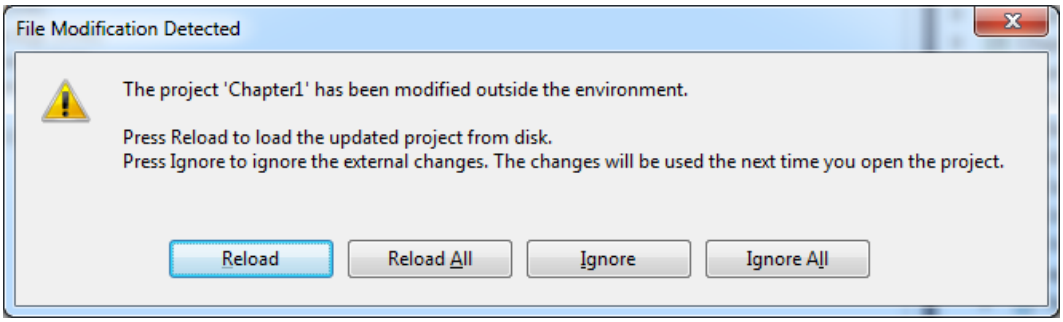
Chapter 12: Configuring, Licensing, and Deploying

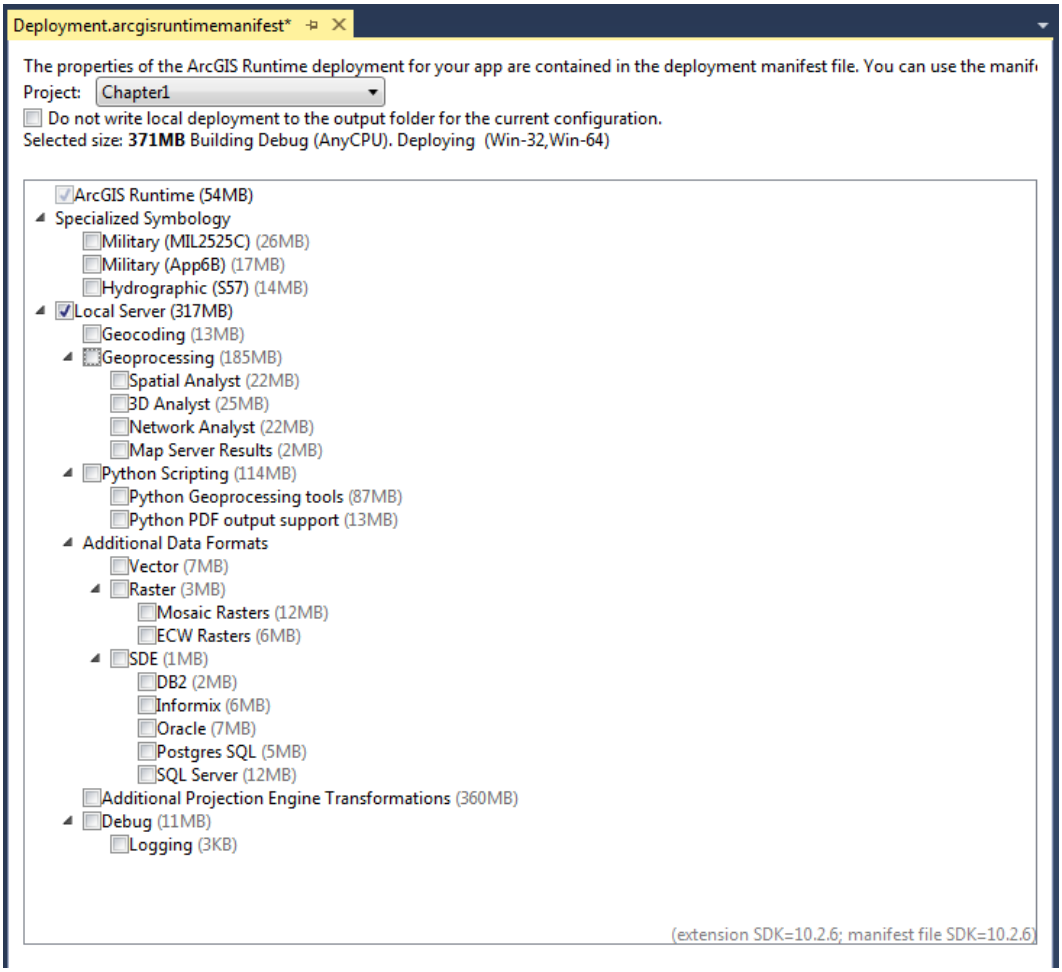


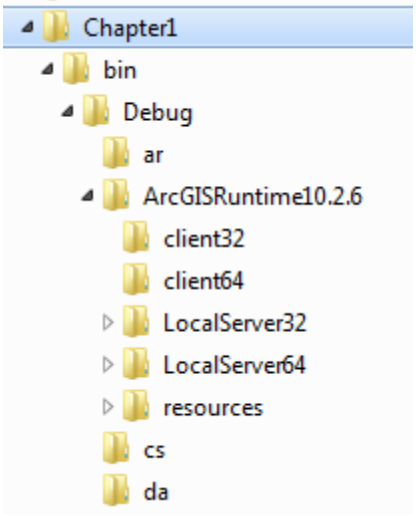
Copyright Text: Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, iPC, TomTom




Microsoft Visual Studio
ArcGISRuntime Deployment Extension (10.2.7)
The 'Chapter1.csproj' project needs to be updated to support deployment building.
The project has unsaved changes that need to be saved before updating the project.
Save changes, and then update the project?
Yes
No


File Modification Detected
The project 'Chapter1' has been modified outside the environment.
Press Reload to load the updated project from disk.
Press Ignore to ignore the external changes. The changes will be used the next time you open the project.
Reload
Reload All
Ignore
Ignore All


Deployment.arcgisruntimemanifest*
The properties of the ArcGIS Runtime deployment for your app are contained in the deployment manifest file. You can use the manif
Project: Chapter1
Do not write local deployment to the output folder for the current configuration.
Selected size: 371MB Building Debug (AnyCPU). Deploying (Win-32,Win-64)
ArcGIS Runtime (54MB)
Specialized Symbology
Military (MIL2525C) (26MB)
Military (App6B) (17MB)
Hydrographic (S57) (14MB)
Local Server (317MB)
Geocoding (13MB)
Geoprocessing (185MB)
Spatial Analyst (22MB)
3D Analyst (25MB)
Network Analyst (22MB)
Map Server Results (2MB)
Python Scripting (114MB)
Python Geoprocessing tools (87MB)
Python PDF output support (13MB)
Additional Data Formats
Vector (7MB)
Raster (3MB)
Mosaic Rasters (12MB)
ECW Rasters (6MB)
SDE (1MB)
DB2 (2MB)
Informix (6MB)
Oracle (7MB)
Postgres SQL (5MB)
SQL Server (12MB)
Additional Projection Engine Transformations (360MB)
Debug (11MB)
Logging (3KB)
(extension SDK=10.2.6; manifest file SDK=10.2.6)


Chapter1
bin
Debug
ar
ArcGISRuntime10.2.6
client32
client64
LocalServer32
LocalServer64
resources
cs
da