Goals

• Cover all of ArcGIS, high pass, developer's angle

  • What is there?
  • What can I do with it?
  • What resources are available to get the most from it all?
  • Where is the community?

• How do I get started?
Who are you?

• Are you a GIS pro?
  - new to dev?

• Are you an experienced developer
  - new to ArcGIS?

• Are you a Project Lead?
  - what’s available?
Agenda

• ArcGIS as a developer's toolbox
  - Desktop applications
    - ArcGIS Explorer Desktop, ArcGIS Desktop, ArcGIS Engine
  - Geoprocessing
  - Geodatabase
  - Client-Server applications
    - ArcGIS Server
    - ArcGIS Online
    - Web APIs
    - ArcGIS Runtime for Devices

• Developer Resources
• Online
• Desktop
• Server
• Mobile
ArcGIS Explorer Desktop
ArcGIS Explorer Desktop

Free to use, develop against, and deploy

For Developers

1. Application Configuration
   - Customize UI and functions, no code necessary

2. ArcGIS Explorer SDK
   - Create Add-ins with Visual Studio

• Portable files, easy to share
ArcGIS Explorer Desktop

ArcGIS Explorer SDK

Introduction

ArcGIS Explorer includes a Software Developer Kit (SDK). The aim of the (API) to build add-ins which plug into the ArcGIS Explorer application.

An add-in can be used to add a wide variety of functions to the standard retrieve data or images from the Internet, query a remote database, and so on.

You can also use an add-in in order to interact with the other classes in existing layers and results, run other add-ins, add content to the map and so on.

ArcGIS Explorer API provides six types of add-ins. Each type of add-in is implemented in a class.

The ArcGIS Explorer API and the Microsoft .NET Framework

The ArcGIS Explorer API relies upon the Microsoft .NET Framework for add-ins; either Microsoft Visual Studio 2003 or 2005 is required for ArcGIS Explorer, and is present in the .NET Framework install.

For developers

- ArcGIS Explorer Help
- ArcGIS Explorer SDK
- ArcGIS Explorer SDK Online Help
- ArcGIS Server Help for .NET
- ArcGIS Server Help for Java

get link | sync toc

ArcGIS Explorer Help

- Application Configurations: customizing and deploying
- Add functionality
- Deploying customized user experiences
- Creating and managing Application Configurations
- Setting your configuration’s properties
- Updating a configuration
- Use ArcGIS Explorer behind a firewall

For developers

- ArcGIS Explorer SDK
- ArcGIS Explorer SDK Online Help
- ArcGIS Server Help for .NET
- ArcGIS Server Help for Java
ArcGIS Explorer Desktop

Creating Add-Ins

Templates
www.arcgis.com

- upload, download
- share, groups
- tools, maps, apps
namespace DriveTimeAnalysisCS
{
    public class DriveTimeAnalysis_Button : ESRI.ArcGISExplorer.Application.Button
    {
        private string aDriveTimes = "3 5"; //Drive times to be used with the sample

        public override void OnClick()
        {
            //Get the active map display

            //Set a point from the screen to start the analysis from
            ESRI.ArcGISExplorer.Geometry.Point startPt = mapDisp.TrackPoint();
            if (startPt == null) return;

            //Call the routine for generating the drive time polygons
            GPFeatureRecordSetLayer gpOutput = CreateBufferPolys(startPt);
            if (gpOutput == null)
            {
                MessageBox.Show("No results returned from geoprocessing service! Try location return;
            }

            //Add a folder to the contents to hold the results
            Folder fold = new Folder("Drive Time Analysis");
            mapDisp.Map.ChildItems.Add(fold);
            DriveTimeAnalysisCS.DriveTime.RecordSet reco = gpOutput.RecordSet;

            //Figure out which field contains the shape (though it’s probably always index 1)
            int shapeId = 0;
            for (int i = 0; i < reco.Fields.FieldArray.Length; i++)
            {
                Field f = reco.Fields.FieldArray[i];
                [field1] = [field2];
            }
        }
    }
}
Demo Theater

*Configuring and Customizing ArcGIS Explorer Desktop*

- Tuesday @ 12:00 noon
- Thursday @ 11:00am
- SDK Demo Theater
ArcGIS Desktop
ArcGIS Desktop

The professional GIS workstation

For Developers

1. Customization of UI and functionality
2. ArcObjects SDK
   - .NET, VC++
3. Add-ins
   - .NET, Java (Eclipse)
4. Script Tools
   - Python
ArcGIS Desktop Customizing
ArcGIS Desktop

Creating add-ins

- Create or share - *.esriAddin
- Copy into well-known location - local or network
- Install wizard
- Use

- Key advantages over classic ArcObjects dev pattern
ArcGIS Desktop

Creating add-ins

Templates
ArcGIS Desktop

Creating add-ins

- Buttons
- Tools
- ComboBoxes
- Multi-items
- Menus
- Content Menus
- Toolbars
- Tool Palettes
- Dockable Windows
- Application Extensions
- Editor Extensions
ArcGIS Desktop

Creating add-ins
ArcGIS Desktop

Creating add-ins
Finding, Using Add-ins

- www.arcgis.com
ArcGIS Engine
ArcGIS Engine

Embeddable and Extensible GIS Components

For Developers

- ArcObjects SDK
  - .NET, Java, VC++, Cross-platform C++
  - 1000s of classes, interfaces, methods
  - 10+ controls

- Compiled and deployed stand-alone applications
Geoprocessing

Interrogating, manipulating, managing map data

For Developers

Interactive scripting window
Use Modelbuilder then export as a script

Portable files, easy to share
- .py, .gpk, .esriAddIn
Geodatabase

- Components
- ArcObjects
- File Geodatabase API
Geodatabase

- Components
Geodatabase

- ArcObjects
Geodatabase

- File Geodatabase API (v 1.2)
  - C++
  - .NET wrapper
  - Mac
Agenda

- ArcGIS as a developer's toolbox
  - Desktop applications
    - ArcGIS Explorer Desktop, ArcGIS Desktop, ArcGIS Engine
  - Geoprocessing
  - Geodatabase
    - Client-Server applications
      - ArcGIS Server
      - ArcGIS Online
      - Web APIs
      - ArcGIS Runtime for Devices

- Developer Resources
ArcGIS Server – An end-to-end GIS system

Developer architecture
Services
APIs
Demos
ArcGIS Server – Works with many different clients

Including…

- iPhone
- Android
- Windows Phone
- .Net
- Python
- Flex/Flash
- Ruby
- JavaScript
- Java
- Microsoft Silverlight

ArcGIS Web APIs
ArcGIS Runtime SDKs
ArcGIS Online
ArcGIS Desktop

Google Earth
Open Street Map
OpenLayers
http://edn1.esri.com/antarctica
http://maps.bouldercounty.org/boco/emapping/
What is a GIS Service?

ArcGIS Server
Map Service

Map Service Endpoint

Edit
Use
Display
How do I get my data into an app? Web Services!

REST

SOAP

OGC

*Image from Microsoft Clip Art*
Example REST API usage

**URL-based requests (GET or POST)**

Format works with all client-side application languages

```plaintext
http://sampleserver1.arcgisonline.com/ArcGIS/rest/services/Specialty/ESRI_StateCityHighway_USA/MapServer/export?bbox=-127.8,15.4,-63.5,60.5&f=pjson
```
http://server.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer
ArcGIS Online

- Viewer
- Templates
- ArcGIS Portal API
ArcGIS.com Map Viewer

Demo POI and Demographic Map

Cook County POI: Pink Palace of the Rainbow Motel

- POI_ID: 33,114,286
- Category: 7011
- Description: HOTEL
- Name: Pink Palace of the Rainbow Motel
- Address: 7050 W Archer Ave
- City: Chicago
- State: Illinois
- Zip: 60638
- County: Cook
- Country: United States
- Phone: 773-586-7269
Configurable Templates

- ArcGIS.com Configurable Templates
- Create maps using online tools
- Download template to your web server
- Config files
- Modify code directly
function init() {

    //get the localization strings
    i18n = dojo.i18n.getLocalization("esriTemplate", "template");
    console.log(i18n);
    configOptions = {
        //The ID for the map from ArcGIS.com
        webmap: "dbd1c6d52f4e447f8c01d14a691a70fe";
    }
}
ArcGIS Portal API

Overview

ArcGIS Online is Esri’s Software as a Service offering that represents GIS as a Service. ArcGIS Portal is software technology from Esri that custom deploy either on premise or in the cloud. Both products allow users and organizations to author and share maps and data via a portal that supports groups and sharing.

The ArcGIS Portal API is a core REST API supported by both ArcGIS Online and ArcGIS Portal that allows application developers to work with users and content within a portal. The ArcGIS Portal REST API when used in conjunction with the ArcGIS Web and ArcGIS Device/Client APIs, allows development to build web, device, and desktop applications that support sharing and collaboration using web maps. Organizational developers can also use these build custom applications for their users. Aspects of the ArcGIS Portal REST API are integrated into the object models of the Web and Device client API full surface of the ArcGIS Portal API is available via REST.

Concepts

Portals allow users and organizations to publish and share content over the web.

A Portal may have users who are unaffiliated with an organization or users who are part of an organization.

A Portal has Users, Groups and Content.

Users sign in to the portal and create and share content. The system supports different types of items including:

- maps - web maps that can be displayed on all supported platforms (web, mobile and desktop)
- layers - feature, map and image services that can be added as layers in web maps
- applications - web and mobile applications whose content is provided by web maps
- tools - geocoding, routing and other task based services that can be used by applications
- datafiles - files that can be uploaded, stored and downloaded and in certain cases activated to create services (map layers)

Users can choose to keep content Private to themselves or Shared with other users via Groups or Public and accessible to everyone.

Users can create and join Groups. Users can share items with Groups. This makes the items visible to and accessible by the other members of the Group.

A Portal may contain multiple Organizations.

A user of the Portal (and of the REST API) sees the view of the Portal that applies to their organization. This view includes the users, groups and items belong to the organization and have been shared with the accessing user. This view may also include users, groups and items that are external to the organization and have been shared with the accessing user.

An organization has users in different roles including administrators, publishers and information workers.

Administrators can add users to their organizations and have access to all content within the organization.

http://www.arcgis.com/apidocs/rest/
Map Configuration
- HTML5
- Widgets
- Layers
- Feature Layers
- Layouts
- Bing Maps
- Time
- Graphics
- Renderers
- Editing
- Query Task
- Find and Identify
- Address Matching
- Geoprocessing
- Network Analyst
- Toolbars
- Geometry Service
- Image Services
- Mobile
- Web Maps
  - Portal
    - Web Map Viewer
    - Item Gallery
    - Add Shapefile
    - Get Group Id

Web Map Viewer

Description

This sample demonstrates how to use the ArcGIS Portal API, added at version 2.8, to view web maps from the ArcGIS in this case ArcGIS.com, using the Portal class. Once the portal has loaded query for the 'Community Basemap' group the top-rated maps.

```javascript
var params = {
  q: 'title:Community Basemaps AND owner:esri'
};

portal.queryGroups(params).then(function(response){
  var group = response.results[0];
  var queryParams = {
    q: 'type:"Web Map" -type:"Web Mapping Application"',
    sortField: 'created',
    sortOrder: 'desc',
    num: 5
  };
  group.queryItems(queryParams).forEach(loadMap);
})
```

Note that when we query the group we can use the `forEach` function to loop through each of the items in the result.

Code

```html
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
        <meta http-equiv="X-UA-Compatible" content="IE=7,IE=9"/>
        <!--[if lte IE 8]>
            --The viewport meta tag is used to improve the presentation and behavior of the samples on iOS devices-->
        <![endif]-->
        <title>Web Map Viewer</title>
        <meta name="viewport" content="initial-scale=1, maximum-scale=1,user-scalable=no"/>
        <style>
        ...
        </style>
        <script type="text/javascript">
            ...
        </script>
    </head>
    <body>
        ...
    </body>
</html>
```
In the browser: ArcGIS Web APIs

JavaScript

JavaScript Compact (mobile)

Apache Flex

Microsoft Silverlight
ArcGIS Web API capabilities include:

- Map
- Editing
- Geometries
- Time-awareness
- Routing
- Graphics
- Symbols
- Geoprocessing
- Query
- FeatureLayers
- Extents
- GraphicsLayer
Why use the Web APIs?

Let’s you focus on rapid application development!

map.addLayer(basemap)

vs.

http://sampleserver1.arcgisonline.com/arcgis/rest/services/Specialty/ESRI_StateCityHighway_USA/MapServer/export?bbox=-127.8,15.4,-63.5,60.5&f=pjson
Why use the Web APIs?

vs.

dojo.io.script.jsonp_dojoIoScript2._jsonpCallback({"serviceDescription":"", "mapName":"Layers", "description":"", "copyrightText":"", "layers": [{"id":0,"name":"arcgis2.DBO.custinfo","parentLayerId":-1,"defaultVisibility":true,"subLayerIds":null}], "tables":[], "spatialReference":{"wkid":4326}, "singleFusedMapCache":false, "initialExtent":{"xmin":105.170917848995,"ymin":39.5124265894988,"xmax":104.556422044239,"ymax":40.0144928617289,"spatialReference":{"wkid":4326}}, "fullExtent":{"xmin":105.13659819355,"ymin":39.55113300385,"xmax":105.13659819355,"ymax":39.55113300385,"spatialReference":{"wkid":4326}}, "units":"esriDecimalDegrees", "supportedImageFormatTypes": "PNG24,PNG,JPG,DIB,TIFF,EMF,PDF,GIF,SVG,SVGZ,AI,BMP", "documentInfo":{"Title":"", "Author":"", "Comments":"", "Subject":"", "Category":"", "Keywords":"", "Credits":""}, "capabilities":"Map,Query,Data"};
API “Syntax”

**JavaScript (.js)**

```javascript
queryTask.execute(query, queryTaskComplete, queryTaskError);
```

**Silverlight (C#.NET)**

```csharp
queryTask.ExecuteCompleted += QueryTask_ExecuteCompleted;
```

**Flex (ActionScript)**

```actionscript
queryTask.execute(query, new AsyncResponder(onResult, onFault));
```
API Patterns

JavaScript (.js) Example

```javascript
var queryTask = new esri.tasks.QueryTask("http://someserver/arcgis/");
doj.o.connect(queryTask, "onComplete", doSomething);
query = new esri.tasks.Query();
    query.spatialRelationship = esri.tasks.Query.SPATIAL_REL_INTERSECTS;
queryTask.execute(query);
function doSomething(event){
};
```
Demo of Web APIs
Framework for Integrating Multiple Services

- Tax Parcel Boundaries Operational Layer
- Tax Parcel Data Operational Layer
- Tiled Imagery Layer Basemap

ArcGIS Server
ArcGIS Online
Want an out-of-the-box we solution?

ArcGIS.com Web Map Viewer
ArcGIS Viewer for Flex (Source on Github)
ArcGIS Viewer for Flex Application Builder
ArcGIS API for Silverlight Toolkit (Source on Github)
ArcGIS API for Silverlight Template Gallery
Devices

• **Intro**
  - Trends
  - Overview

• **ArcGIS Runtime for Smartphones and Tablets**
  - iOS
  - Windows Phone
  - Android

• **ArcGIS Runtime for Desktop Devices**
  - WPF
  - Java

• **Wrap up**
  - Q and A
# Apps and SDKs

<table>
<thead>
<tr>
<th>Windows Mobile</th>
<th>Windows/Phone 7</th>
<th>iOS</th>
<th>Android</th>
<th>Linux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apps</td>
<td>Apps</td>
<td>Apps</td>
<td>Apps</td>
<td>Apps</td>
</tr>
<tr>
<td>ArcGIS</td>
<td>ArcGIS</td>
<td>ArcGIS for iOS</td>
<td>ArcGIS</td>
<td>ArcGIS</td>
</tr>
<tr>
<td>ArcGIS Explorer</td>
<td>Runtime SDKs</td>
<td>Runtime SDK</td>
<td>Runtime SDK</td>
<td>Runtime SDK</td>
</tr>
<tr>
<td>.NET CF</td>
<td>WPF, Java</td>
<td>Silverlight</td>
<td>Objective C</td>
<td>Java</td>
</tr>
<tr>
<td>Runtime SDK</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Windows](image1.png) ![Windows](image2.png) ![Windows](image3.png) ![iOS](image4.png) ![Android](image5.png) ![Linux](image6.png)
Description

Use ArcGIS to discover a community of hosted maps from ArcGIS Online. ArcGIS is a great way to discover and use maps. Maps come to life in ArcGIS. Tap on the map or use your current location and discover information about what you see. You can query the map, search and find interesting information, measure distances and areas of interest and share maps with others.

Find community hosted maps from ArcGIS Online – Esri’s online GIS. Alternatively you can use the authoring tools on ArcGIS.com to create your own map that can be used in ArcGIS.
Mobile Trends = Greater access to GIS

Source: The Nielson Company
ArcGIS Runtime SDKs

iOS, Android, Windows Phone

- Native developer toolkit
- Build focused mapping applications
- Embed ArcGIS in to existing apps
- Leverage the ArcGIS system
- Designed for touch-screen phones
- One handed use
ArcGIS API for iOS

Native Objective C/Cocoa API

REST-Based

Requires Mac

ArcGIS for iOS on iTunes
ArcGIS for Windows Phone

C#/Silverlight API

Visual Studio 2010 Integration

REST-based

ArcGIS for WindowsPhone on Marketplace
ArcGIS API for Android

Native Java API

Eclipse IDE - Windows, Mac OS X (Intel), Linux

Runs on many devices

REST-based

ArcGIS for Android on Google Play
ArcGIS on Rugged Devices

Windows and Windows Mobile Devices

- Designed for harsh field conditions
- One handed/vehicle-mounted use
- Occasionally connected workflows
- High accuracy data collection
  - GPS integration
  - Laser integration
- Replace Paper Surveys
  - Intelligent forms
  - Barcode integration

Water Facilities Mapping
Asset Maintenance/Inspection
First Responders
Land Management
ArcGIS Mobile SDK

.NET API (C#, VB.NET, WPF)

Windows Mobile (notebooks/tablets)

Pocket PC/.NET Compact Framework

Connected or Disconnected
ArcPad

.NET and XML based
Windows Mobile
High accuracy
Field data collection
Disconnected Use
Special considerations for mobile!

- Touch-based workflows
- Various Screens
- Inconsistent internet
- Battery life
- Slower connections
- Slower CPU
- Memory constraints

Different OS Versions

Multiple form factors
## Apps and SDKs

<table>
<thead>
<tr>
<th></th>
<th>Windows Mobile</th>
<th>Windows/</th>
<th>Windows Phone 7</th>
<th>iOS</th>
<th>Android</th>
<th>Linux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apps</td>
<td>ArcGIS</td>
<td>ArcGIS</td>
<td>ArcGIS</td>
<td>ArcGIS for iOS</td>
<td>ArcGIS</td>
<td>ArcGIS</td>
</tr>
<tr>
<td></td>
<td>ArcGIS Explorer</td>
<td>WPF, Java</td>
<td>Silverlight</td>
<td>Objective C</td>
<td>Java</td>
<td>Java</td>
</tr>
<tr>
<td>Runtime SDK</td>
<td>.NET CF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Windows Mobile
- Apps: ArcGIS, ArcGIS Explorer
- Runtime SDKs: .NET CF, WPF, Java

### Windows/Phone 7
- Apps: ArcGIS
- Runtime SDK: Silverlight

### iOS
- Apps: ArcGIS for iOS
- Runtime SDK: Objective C

### Android
- Apps: ArcGIS
- Runtime SDK: Java

### Linux
- Runtime SDK: Java
Adding MapTips

Adding MapTips to your ArcGIS API for Silverlight applications, you can display information about graphic features when you hover the pointer over them. With the ArcGIS API for Silverlight, you can easily data-bind MapTips so that the information displayed is always based on the attributes of the current graphic.

The XAML view of the main Grid in an application with MapTips enabled on a feature layer (which is a type of graphics layer) is shown below. The application displays states with a population density of more than 150 people per square mile. For each state, a MapTip showing the state’s name and population density is displayed. This topic explains how the MapTips shown here are specified. It is assumed that you are familiar with how to create maps, feature layers, and symbols.

**Note:** No managed .NET code (that is, code-behind) is required other than what is automatically generated when you create a Silverlight project.

```xml
<Grid x:Name="LayoutRoot" Background="White">
    <Grid.Resources>
        <ArcGIS.SimpleFillSymbol a:Key="MyFillSymbol" Fill="#66FFFF" BorderBrush="Red" BorderThickness="1" a:Key="MySimpleRenderer" Symbol="(StaticResource MyFillSymbol)" />
    </Grid.Resources>

    <ArcGIS.Map x:Name="MyMap" Extent="-180.10,-70.60" >
        <ArcGIS.Map.Layers>
            <ArcGIS.GISFileMapServiceLayer ID="StreetMapLayer"
                Url="http://server.arcgis.com/arcgis/rest/services/ESRI_StreetMap_World_2D/MapServer" />
            <ArcGIS.SymbolLayer ID="MyFeatureLayer"
                Url="http://sampleserver1.arcgis.com/ArcGIS/rest/services/ESRI_Demographics/ESRI_CensusWhere%209007_SQMI%20>150%20Renderer%20%7BStaticResource%20MySimpleRenderer%7D" />
            <ArcGIS.SymbolLayer ID="MyFeatureLayer_OutFields"
                Where="STATE_NAME%20like%20%27FL%27" />
        </ArcGIS.Map.Layers>
    </ArcGIS.Map>
</Grid`
```
iOS and Android App Updates
by Jeff Shamer on July 19, 2012
Just in time for the Esri UC 2012, we have updated our iOS application and Android application and they are available now for download on Apple’s App Store, Google Play, and the Amazon App Store for Android. Continue reading —
Posted in ArcGIS Online, Mobile, Uncategorized | 3 Comments

The San Diego Story Map
by Bern Szukaleksi on July 18, 2012
If you’re heading to the 2012 Esri International User Conference in San Diego, here’s a map you just can’t do without. It’s an interactive guide to San Diego produced by Esri’s Lee Bock, in collaboration with Rupert Essinger (whose San Diego ... Continue reading —
Posted in ArcGIS Online | Tagged map stories, Story Maps | Leave a comment

Thematic Atlas Sample App Now Available
by Wes Jones on July 18, 2012
The Esri Thematic Atlas Sample App is a configurable web application that uses a collection of intelligent web maps with text, graphics, and images to talk about our world. The sample application allows the author to organize maps into groups ... Continue reading —
Forums

Forum: ArcGIS API for JavaScript

+ Post New Thread

Threads 1 to 50 of 2815  Page 1 of 57

<table>
<thead>
<tr>
<th>Title / Thread Starter</th>
<th>Replies / Views</th>
<th>Last Post By</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using AGSJS TOC with ArcGIS Javascript 3.0</td>
<td>4/218</td>
<td>anansean Today, 07:42 AM</td>
</tr>
<tr>
<td>How to add graphics asyncronously from a database in real time</td>
<td>1/19</td>
<td>swingplay Today, 07:40 AM</td>
</tr>
<tr>
<td>Get Attachments from a Feature Service with Attachments enabled over SSL</td>
<td>1/10</td>
<td>swingplay Today, 07:38 AM</td>
</tr>
<tr>
<td>Displaying point from an XML</td>
<td>9/2,112</td>
<td>swingplay Today, 07:34 AM</td>
</tr>
<tr>
<td>Need Help. Suffering a point using javascript</td>
<td>3/34</td>
<td>Skyllusion Yesterday, 10:47 PM</td>
</tr>
<tr>
<td>Map Lockup After Zoom</td>
<td>10/193</td>
<td>mavil Yesterday, 09:09 PM</td>
</tr>
</tbody>
</table>

forums.arcgis.com
ArcGIS Runtime:

Changing zoom direction on mouse wheel by code

Today (win: 10.0 sp1) the only way to change the zoom direction on mouse wheel is through the registry and it's per user. It makes problems when installing the client application with administrator, and the running user has less permissions and it can't run registry scripts.

Some application want to perform zoom in while mouse wheel up, and zoom on wheel down, so it would be a good idea to have property on the map control which do so.

Thanks,

Tags: zoom direction, mouse wheel, code

0 Comments  |  Posted by: a rezze by ArcGIS Engine, ArcGIS Online, ArcGIS Runtime Jan 13, 2012

Tool for map packages creation without ArcMap

Create a tool for creation map packages (mpk) for local data without ArcDesktop. For example the tool will give the possibility to create map package based on raster stored in fileGeoDB.

Tags:

0 Comments  |  Posted by: a rezze to ArcGIS Runtime Jan 13, 2012

ArcGIS for iOS support for secured services

...
Featured Maps and Apps from the ArcGIS Community

Maps    Web Apps    Mobile Apps

Yakima Transit iBus Widget
City of Yakima Postcard Public Notifications
Changes: The Lower Columbia River Then and Now
Environmental Justice (EJ) within the Greater Philadelphia
Flood Watch Marlborough
Save The Rain!

Search for more Web apps or click below to find the:
- Highest Rated
- Most Recent
- Most Viewed

What is a Web app?
Create your own app using the ArcGIS API for:
- JavaScript
- Flex
- Silverlight
Esri Developer Network (EDN)

- Annual Subscription
  - Standard or Advanced
- Developer license
- ArcGIS platform
  - products, extensions
  - desktop, server, web, mobile
  - full functionality - it's everything
- Design, prototype, test, build
- Defer production costs until deployment
Esri Developer Network

**EDN Subscription**

Esri Developer Network (EDN) is available through an annual subscription and provides a cost-effective way to license Esri ArcGIS products and tools.

- Learn more about EDN
- EDN License Activation and Renewal
- Manage my 9x EDN subscription
- Manage my 10x EDN subscription

**Resource Center**

The ArcGIS Resource Center contains the integrated support and community resources to help you be successful.

- ArcGIS Resource Center
- Developer resources for ArcGIS version 9.2 and prior

**Developer Community**

Interact and share resources with developers around the World.

- Esri Developer Summit
- Esri Dev Meet Ups

[Images of social media icons: Blogs, Forums, Ideas, Facebook, GIS Wiki, YouTube, LinkedIn, Delicious]
**Using HTML5 with ArcGIS**

**Format:** Training Seminar

**Duration:** 60 minutes

**Price:** Free

**Authored by:** Esri

---

**Description**

The web is continuously evolving. HTML5 (including HTML4.01/CSS3) is one of the main tools to keep up with the changes.

**Geolocation API**

- Provides user's approximate location
- Opt-in only!

```javascript
navigator.geolocation.getCurrentPosition(
    zoomToLocation, locationError
);

watchId = navigator.geolocation.watchPosition(
    updateLocation, locationError
);
```
The Esri Developer Summit (DevSummit) brings together developers and GIS over the globe. It’s your chance to find out what developers will be able to do with ArcGIS 10.1. Features demos by Esri technical staff and a special presentation about how Sky Harbor Airport is using ArcGIS.

Plenary Session

Quick Links

- 2012 Flickr Feed
- 2012 Proceedings
- Ask a Question

Online Community

- #DevSummit
- Follow Us on Facebook

Save the Date!

Next year's DevSummit will take place March 25-28, 2013.

esri.com/DevSummit
The Esri Developer Summit (DevSummit) brings together developers and GIS professionals from all over Europe. It’s your chance to:

- Become more effective at building web and mobile mapping applications
- Meet Esri development staff and network with local developers

esri.com/devsummit
JavaScript

Not to be confused with Java (programming language).

For the use of JavaScript on wiki.gis.com, see wiki.gis.com.JavaScript.

JavaScript is a scripting language used to enable programmatic access to objects within both the client application and other applications. It is primarily used in the form of client-side JavaScript, implemented as an integral component of the web browser, allowing the development of enhanced user interfaces and dynamic websites. JavaScript is a dialect of the ECMAScript standard and is characterized as a dynamic, weakly typed, prototype-based language with first-class functions. JavaScript was influenced by many languages and was designed to look like Java, but to be easier for non-programmers to work with.[2][3]

Contents

1 History and naming
2 Features
   2.1 Imperative and structured
   2.2 Dynamic
   2.3 Functional
   2.4 Prototype-based
   2.5 Miscellaneous
   2.6 Vendor-specific extensions
3 Syntax and semantics
4 Use in web pages
   4.1 Compatibility considerations
   4.2 Security
      4.2.1 Cross-site vulnerabilities
      4.2.2 Misplaced trust in the client
      4.2.3 Browser and plugin coding errors
      4.2.4 Sandbox implementation issues
6 Historical context
7 Other languages
   7.1 Evolution of language
   7.2 APIs
   7.3 Differences
8 Related work
9 See also
10 External links

Top Questions

1. MySQL query - Getting people out that aren't in another table?
   Votes: 0, Answers: 1, Views: 996
   Tags: mysql, sql
   24s ago, Beginner, 579

2. SIGABRT when cvReleaseImage
   Votes: 0, Answers: 2, Views: 69
   Tags: c++, apency, ubuntu-10.10
   31s ago, EnneKappa, 27

3. Java Servlet questions
   Votes: 0, Answers: 9, Views: 2,168
   Tags: java, homework, servlet
   34s ago, RMT, 2,168

4. CUDA: Max of array, how to prevent write collisions?
   Votes: 0, Answers: 6, Views: 250
   Tags: cuda
   37s ago, Eric, 2,669

5. Re-running workflow state in wf 4.0 state machine
   Votes: 0, Answers: 2, Views: 95
   Tags: activiti, workflow, workflow-foundation-4, statemachine
   48s ago, Hari KRK, 32

6. How can I add an AppleScript menu to my menubar?
   Votes: 0, Answers: 2, Views: 847
   Tags: objective-c, cocoa, menu, applescript
   50s ago, WTP, 8,847

7. RMI usage of client policy file
   Votes: 0, Answers: 2, Views: 10
   Tags: java, security, rmi, policy
   54s ago, WorstCase, 5

8. how to display embed and data in razor?
Implement IEditSketch interface for custom cad tools.

I want to build cad tools which will be used in municipality applications on esri. Let me tell the question. The user wants to edit on the map and does it by using IEditSketch. But I want to write a...

How to create a Esri Context Menu on desktop development

How can i create a context menu on ESRI Arcgis Desktop. And after creating it, how can i use it while a base command is open and active? I use C# but i can understand visual basic. Thanks for your...

ESRI Desktop Zoom to the feature

I find a feature by using IFeatureClass Search then i want to show the feature on the screen. How can i do that? Is there a zoom interface or else?

What Questions should attendees of the Esri UC be asking? [migrated]

If you won't be able to attend the UC this year, but have a question for Esri, post your question as an answer in this thread. If you see a good question please upvote it. Hopefully the good
Welcome to the Esri User Conference!

- Developer Track
  - 30 sessions, meetings
- Product Islands
  - Meet the engineers and developers
  - Demo Theaters
- Tech Support Island
  - Discuss good ideas, solve tough problems
New Developer Activities at the UC

- Hackers’ Sandbox
  - Tuesday – Thursday 8:30am – 12pm (Hall F)

- UX Design Summit
  - Tuesday 1:00pm – 5pm (Ballroom 20)

- Speed Geeking
  - Tuesday 6:30pm – 8:30pm (Ballroom 20)

- Dev Meet Up
  - Wednesday 5:30pm – 9pm
  - Registration Required

sold out, find one near you:
esri.com/devmeetup
How to get started with Microsoft Visual Studio

• Express editions are free
  - VB, C#, substantial capabilities
  - online training, beginner's books

• MS site
  - tutorials, videos, sample code
Python is a great object-oriented, interpreted, and interactive programming language. It is often compared (favorably of course) to Lisp, Tcl, Perl, Ruby, C#, Visual Basic, Visual Fox Pro, Scheme or Java... and it's much more fun.

Python combines remarkable power with very clear syntax. It has modules, classes, exceptions, very high level dynamic data types, and dynamic typing. There are interfaces to many system calls and libraries, as well as to various windowing systems. New built-in modules are easily written in C or C++ (or other languages, depending on the chosen implementation). Python is also usable as an extension language for applications written in other languages that need easy-to-use scripting or automation interfaces.

Getting Started

<table>
<thead>
<tr>
<th>Beginners Guide</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Links to tutorials, courses and</td>
<td>Learning materials, topic</td>
</tr>
<tr>
<td>resources</td>
<td>guides and links to central</td>
</tr>
<tr>
<td></td>
<td>resources</td>
</tr>
<tr>
<td>Beginner Errors</td>
<td>Python Books</td>
</tr>
<tr>
<td>Some common pitfalls of beginners</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Books about Python plus reviews</td>
</tr>
<tr>
<td>Asking for Help</td>
<td>Python Audio Materials</td>
</tr>
<tr>
<td>Questions asked by beginners,</td>
<td>A mixture of introductory and</td>
</tr>
<tr>
<td>answered here</td>
<td>topical material</td>
</tr>
<tr>
<td>Languages</td>
<td>Python Implementations</td>
</tr>
<tr>
<td>Resources written in languages</td>
<td>Different software which runs</td>
</tr>
<tr>
<td>other than English</td>
<td>programs in the Python language</td>
</tr>
</tbody>
</table>

See also the documentation category for all known documentation-related pages.

Events, Courses, Conferences, Community

- Python Conferences - information about the Python conference scene
- Python Events - covers conferences, training courses and more
- Local User Groups - find a Python group near you
- Participating in the Community - where people using and producing Python get together

Python Software

http://www.python.org/about/gettingstarted/
Getting Started With Adobe Flex

IDE: Flash Builder
ArcGIS API for Flex: resources.arcgis.com
Flash Player (debug): Flash Player Support Center
Online Resources: help.adobe.com
Training: Flex.org, Adobe Video Training
Community: actionscript.org
Getting Started with JavaScript

IDE (free!): Notepad++, Aptana
ArcGIS API for JavaScript: resources.arcgis.com
Online Resources : dojotoolkit.org
Tutorials: w3schools.com
Community: dojotoolkit.org/community
Getting Started with Silverlight (Web)

IDE: Visual Studio Express (free!)
ArcGIS API for Microsoft Silverlight: help.arcgis.com
Silverlight SDK: silverlight.net/getting started
Online Resources: MSDN.microsoft.com
Community: silverlight.net/community
Getting Started with Android

IDE: Eclipse
ArcGIS API for Android: resources.arcigs.com
Online Resources: developer.android.com
Community: developer.android.com
Misc: Mobile device for testing!
Getting Started with iOS

IDE, SDK: Xcode 4 + iOS 6 SDK
ArcGIS API for iOS: resources.arcgis.com
Online Resources: iOS Developer Library
Community: developer.apple.com
Misc: Mobile device for testing
Getting Started with Windows Phone

IDE: Visual Studio Express (free!)
ArcGIS for Windows Phone: resources.arcgis.com
Online Resources/Community: App Hub
Misc: Mobile device for testing
Open Source Initiatives –
Session Survey

- esri.com/ucsessionsurveys
- Session ID: Tue 625; Wed 747