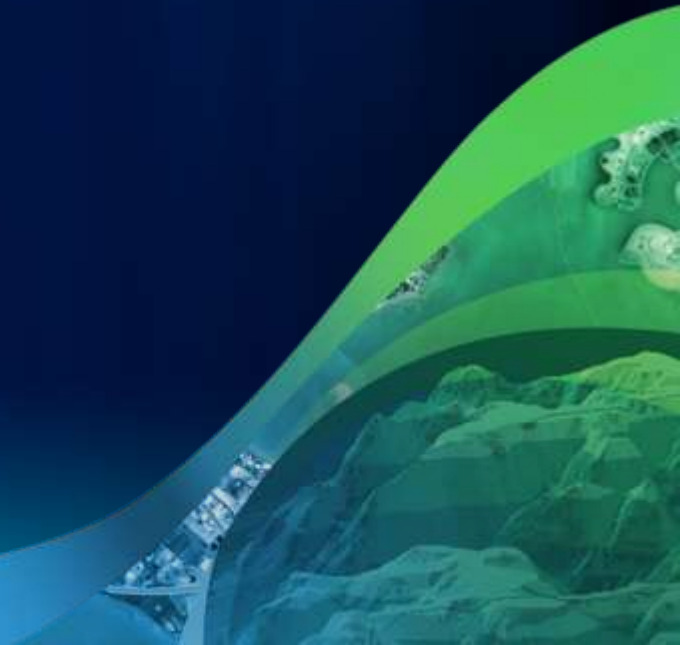# MSC GIS: GIS Programming

David Muthami

Session Path

- **Structure**
- **Images Folder**
- **Javascript files**
- **CSS files**

Structure

- **Images**

- **Javascript files**

- **Html**

- **Css**

..			File folder		
images			File folder	5/5/2012 1:00 PM	
buildURL.js	4,212	1,154	JScript Script File	5/12/2012 7:29...	CD421825
index.html	5,923	1,761	Chrome HTML Docu...	5/12/2012 7:43...	D48D744F
layout.css	1,249	408	Cascading Style Sh...	4/22/2010 4:39...	EDD1D393
layout.js	4,507	1,656	JScript Script File	5/12/2012 7:30...	2434DC61
wmslayers.js	2,371	917	JScript Script File	5/12/2012 7:32...	CAB16FB2

Images Folder

- **Images**
  - **Banner.jpg**

banner.jpg

Javascript files

- **buildURL.js**


```
/*
initt.prototype.wmsurl = function(url){

/*
initt.prototype.srs = function(srs){

/*
initt.prototype.bbox = function(bbox){

/*
initt.prototype.width = function(width){

/*
initt.prototype.height = function(height){

/*
initt.prototype.layers = function(layers){

/*
initt.prototype.format = function(format){

/*
initt.prototype.stylle = function(stylle){

/*
initt.prototype.constructinit = function(url,srs,width,height,layers,format,bbox,stylle){

/*
function initt(){

/*
window.onload = function() {
```

```
/*

/*

//global variable pointing to location hol
var initializeBuildURL = null;
var myUrl = "";

/*
initt.prototype.wmsurl = function(url){
```

Javascript files

- **layout.js**


```
/*

/*
var initializeLayout2 = null;


/*
function init() {

/*
function image() {

/*
 * Function adds the getMap url at the footer section
 * argument displayMap url passed down the string value
 */
function displayMapUrl (displayMapUrl){

/*
 * Function adds an event to the button
 *
 */
function setUp(){

/*
 * Event fired when one clicks the map
 * Responsible for building dynamic getMap URL
 */
function buttonClickEvent(){
```

Javascript files

- **wmslayers.js**

```
/*

/*
 * This tab is being unused at the moment but further developments could be made to it so
 *  store and pass down the getcapabilities parameters and populate the controls in the de
 *
 */
//Default url scheme
//http://atlas.gc.ca/cgi-bin/atlaswms_en?VERSION=1.1.1&request=GetMap&SRS=EPSG:42304&BBOX=

var atlasWMS=
    [{"wmsurl":"http://atlas.gc.ca/cgi-bin/atlaswms_en?VERSION=1.1.1&request=GetMap",
    "name":"wld_cap",
    "title":"Country Capital Cities",
    "abstract":"Country names of the world",
    "srs":"&SRS=EPSG:4326",
    "minx":"-179.417",
    "miny":"-54.8",
    "maxx":"179.515",
    "maxy":"82.5",
    "width":"500",
    "height":"600",
    "layers":"wa_15m",
    "format":"PNG"}
    ];

var initializeWmsLayers = null;
```

CSS files

- **wmslayers.css**

```css
html, body {
  height: 100%; width: 100%; margin: 0;
}
body{
  background-color:white; overflow:hidden;
  font-family: "Trebuchet MS";
}
#header {
  background-image: url('images/banner.jpg'); background-repeat: repeat-x;
  margin: 2px;
  border: solid 4px #224a54;
  color:white; font-size:18pt;
  text-align:left; font-weight:bold; height:70px;
}
#subheader {
  font-size:small;
  color:white;
  padding-left:20px;
}
#rightPane{
  background-color:white;
  color:#3f3f3f;
  border: solid 2px #224a54;
  width:20%;
}
#leftPane{
#map {
#footer {
.dijitTabInnerDiv{
#tabs{
```

HTML Files

- **Index.html**

```html
<script type="text/javascript">
  var djConfig = {
</script>
<script type="text/javascript" src="http://serverapi.arcgisonline.com/jsapi/arcgis/?v=2.8"></script>
</script>

<!-- Load jQuery and jQuery UI via Google AJAX Libraries API -->
<link type="text/css" href="http://ajax.googleapis.com/ajax/libs/jqueryui/1.8.2/themes/redmond/jquery.ui.all.css" rel="Stylesheet" />
<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.4/jquery.min.js"></script>
<script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.8/jquery-ui.min.js"></script>

<script type="text/javascript" src="buildURL.js"></script>
<script type="text/javascript" src="wmslayers.js"></script>
<script type="text/javascript" src="layout.js"></script>

<script type="text/javascript">
  dojo.require("dijit.dijit"); // optimize: load dijit layer
  dojo.require("dijit.layout.BorderContainer");
  dojo.require("dijit.layout.ContentPane");
  dojo.require("dijit.layout.TabContainer");
  dojo.require("dijit.form.Select");
  dojo.require("dijit.form.TextBox");

  //show map on load
  dojo.addOnLoad(init);
</script>
</head>

<body class="claro">
</html>
```

HTML Files(……)

- **Index.html**

```html
<body class="claro">
  <div id="mainWindow" dojotype="dijit.layout.BorderContainer" design="headline"
  gutters="false" style="width:100%; height:100%;">
    <!-- Header Section section -->
    <div id="header" dojotype="dijit.layout.ContentPane" region="top">

    <!-- Left Pane Section -->
    <div dojotype="dijit.layout.ContentPane" id="leftPane" region="left">
      <div dojotype="dijit.layout.TabContainer" >
        <!-- Map Navigation and parameters section section -->
        <div dojotype="dijit.layout.ContentPane"  title="Parameters" selected="true">
          <p>WMS server</p>
          <select name="WMSURL" data-dojo-type="dijit.form.Select" id="idWMSServers">
            <option value="http://atlas.gc.ca/cgi-bin/atlaswms_en?VERSION=1.1.1&request=Get
          </select>

          <p>Layers</p>
          <select name="WMSLayers" data-dojo-type="dijit.form.Select" id="idWMSLayers">

          <p>SRS</p>
          <select name="SRS" data-dojo-type="dijit.form.Select" id="idSrs">

          <form action="">
            <div id="ifFormElements">
          </form>

              <!-- Add code -->

          <p>Format</p>
          <select name="WMSFormat" data-dojo-type="dijit.form.Select" id="idFormat">

          <br><br>
            <input type="button" value="GetMap" id="example_button" />
          <br><br>
```

```html
          <br><br>
            <input type="button" value="GetMap" id="exa
          <br><br>
      </div>

      <!-- The legend section -->
      <div dojotype="dijit.layout.ContentPane" title = "Leg
        <div id="legendDiv"></div>
        Content for the legend/second tab
      </div>

    </div>
  </div>

  <!-- Map section -->
  <div id="map" dojotype="dijit.layout.ContentPane" region=

  </div>

  <!-- Footer section -->
  <div id="footer" dojotype="dijit.layout.ContentPane" regi
    this is the footer section
  </div>

  </div>
</body>
</html>
```

DEMO

URL: **http://esriea.cloudapp.net/gis/**