ArcGIS API For Flex

Advanced Topics

- Mansour Raad @mraad
- Lloyd Heberlie @lheberlie
- Yann Cabon @yanncabon

Lots of Code !!!

Fx
ADOBE® FLASH® PLATFORM

apache
flex

spoon
PROJECT

Advanced Samples in API

http://resources.arcgis.com/en/communities/flex-api/

ArcGISHeatMapLayer

- Subclass Layer
- Query Task
- Supports Time
- HeatMapEvent

HeatMap Demo

SOE Connection

ArcGIS Services Directory

Home > Elevation > ESRI_Elevation_World (MapServer) > ElevationsSOE > ElevationLayers: 1

ElevationsSOE (ElevationLayers: 1)

Name: Global Elevations

ID: 1

Extent:

xmin: -16986822.228633128
ymin: -8615716.5657401197
xmax: 16986821.951102037
ymax: 8615716.782856293
Spatial Reference: 54030

Supported Operations: GetElevationAtLonLat GetElevations GetElevationData GetElevationProfile
Supported Interfaces: Rest Schema

- ArcGISElevationsSOELayer
- Subclass Layer
- Client-side raster interpolation
- ElevationsSOEResult
- ElevationsSOETask

ElevationsSOE Demo

Portal API

- ArcGIS Online
- ArcGIS Online for Organizations
- Portal for ArcGIS
- Search, Query, Consume content

Portal Demo

Road Ahead

Fall 2012

- CSV Layer
- Dynamic Workspaces
- Feature Data Grid
- Local Tiled Layer

Dynamic Workspaces

- New Data Source
- Dynamic Layer Generation
- Override Default Symbol

Dynamic Workspace

Demo

FeatureDataGrid

Disconnected Tiles

ArcGIS 10.1 Help

Hide | Back | Forward | Home | Options | Resource Center

Contents | Favorites | Search

- Welcome to the ArcGIS Help Library
- What's new
- Mapping
  - Introduction
  - Working with ArcMap
    - Starting ArcMap
    - Opening a map document
    - Setting map document properties
    - Adding layers to a map
    - Using data frames
    - Coordinate systems for map displa
    - Specifying a coordinate system
    - The geographic coordinate systen
    - Using the table of contents
    - Using symbols and styles
    - Referencing data in the map
    - Pausing the map's drawing
    - Analyzing your map
    - Using page layouts
    - Printing a map in ArcMap
    - Saving a map
    - Adding data from ArcGIS Online
    - Using search in ArcGIS
    - Setting ArcMap options
    - Map automation using geoprocess
    - Using ArcGIS extension products
    - Keyboard shortcuts in ArcMap
  - Navigating maps
  - Improving map drawing performanc
  - Sharing data through packaging
    - About packaging
    - Creating a layer package
    - Creating a map package
    - Creating a tile package
      - About tile packages
      - Fundamentals for creating
      - How to create a tile packa
      - Tips for creating tile packa
  - Working with the Catalog window

- If you're overlaying caches:
  - Boundaries— For details, see the "Tiling scheme" section below.
  - Coordinate systems—For details, see Choosing a coordinate system.

Tile package options

Upload package to my ArcGIS Online account —Use this option to share a package with a wide audience by sharing to your ArcGIS Online account. Once you have uploaded the package to your online account, you can share it within your private groups or with everyone.

Save package to file—Packages can be shared locally by writing a package file to disk. Like any other file format, a package can be shared through email or by copying and pasting to other locations on your internal network.

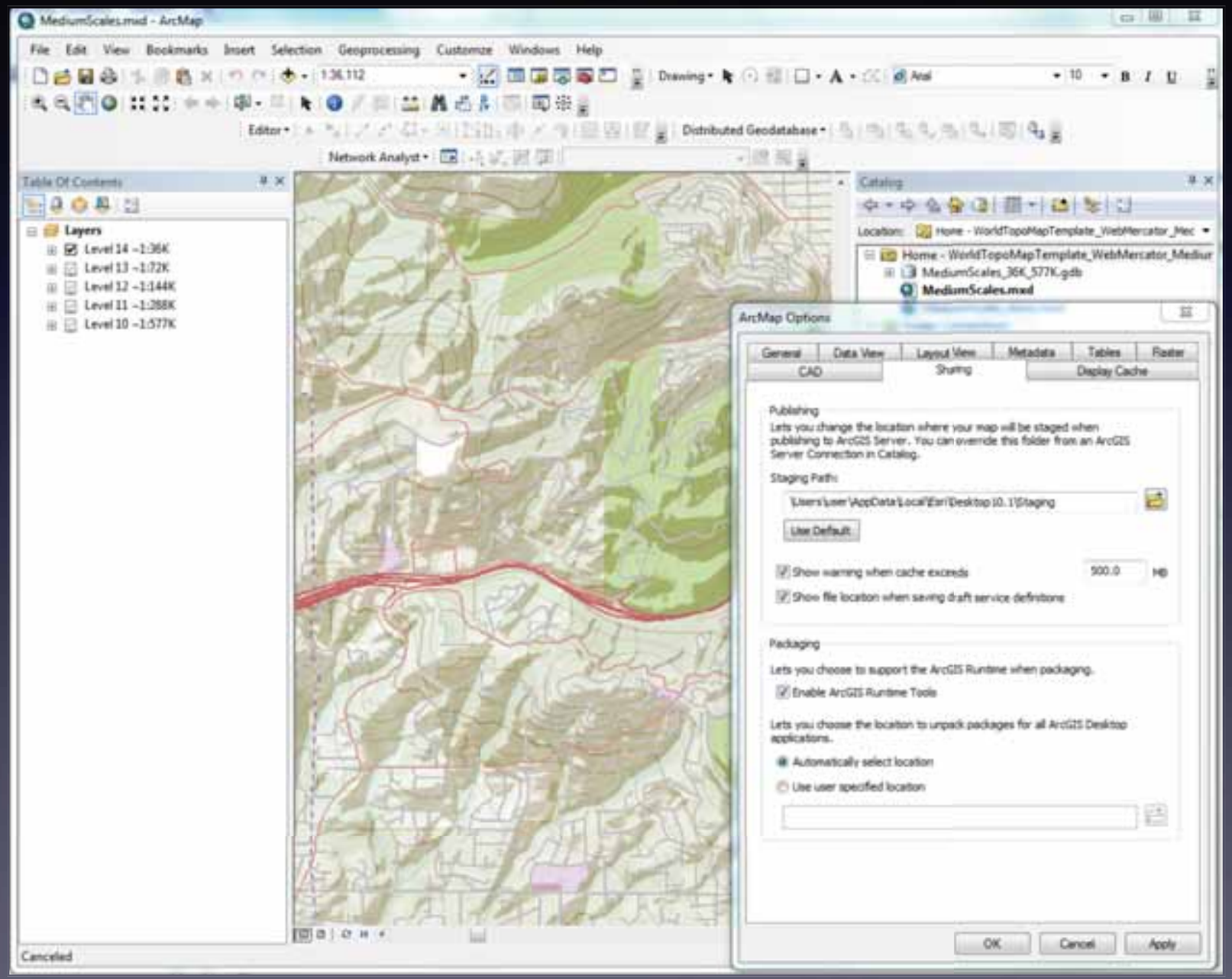
The following image illustrates saving a tile package to a local directory.

Tiling scheme

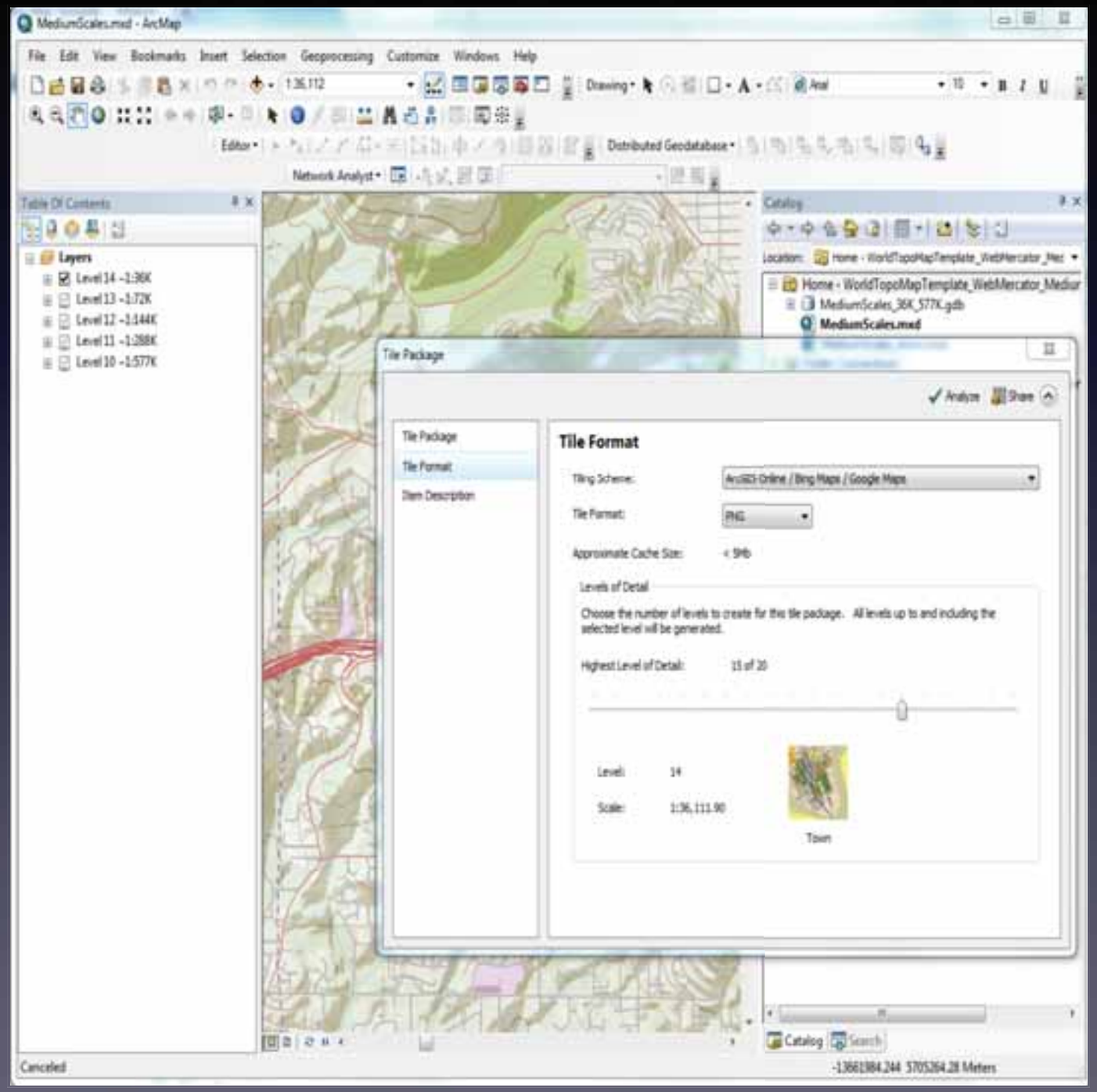
The tiling scheme includes the scale levels, tile dimensions, and tile origin for the cache. These properties define where tile boundaries will exist and are important to match when overlaying caches in some clients. Other properties such as image format are also written into the tiling scheme but do not affect whether the client appication can successfully overlay the tiles.

There are several options you can choose for the tiling scheme:

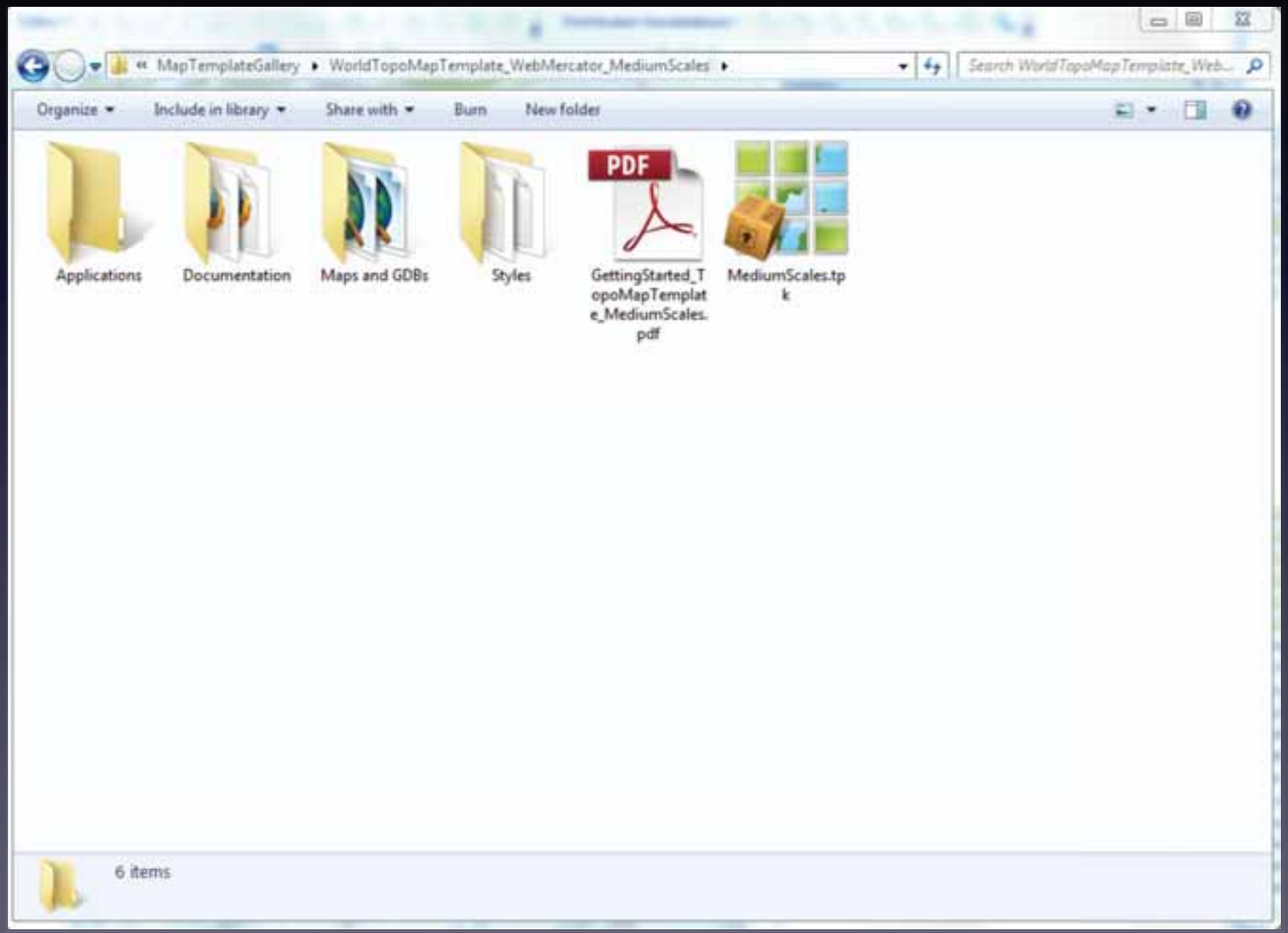
ArcMap Options



Share as Tile Package



TPK


« MapTemplateGallery ▸ WorldTopoMapTemplate_WebMercator_MediumScales ▸
Search WorldTopoMapTemplate_Web...
Organize
Include in library
Share with
Burn
New folder
Applications
Documentation
Maps and GDBs
Styles
PDF
GettingStarted_TopoMapTemplate_MediumScales.pdf
MediumScales.tpk
6 items

```
<?xml version="1.0" encoding="utf-8"?>
<s:Application xmlns:fx="http://ns.adobe.com/mxml/2009"
               xmlns:s="library://ns.adobe.com/flex/spark"
               xmlns:esri="http://www.esri.com/2008/ags"
               applicationDPI="160">
    <esri:Map id="map"
              logoVisible="false"
              scaleBarVisible="false"
              wrapAround180="true"
              zoomSliderVisible="false">
        <esri:ArcGISLocalTiledLayer file="{File.applicationDirectory.resolvePath('World.tpk')}"/>
    </esri:Map>
</s:Application>
```

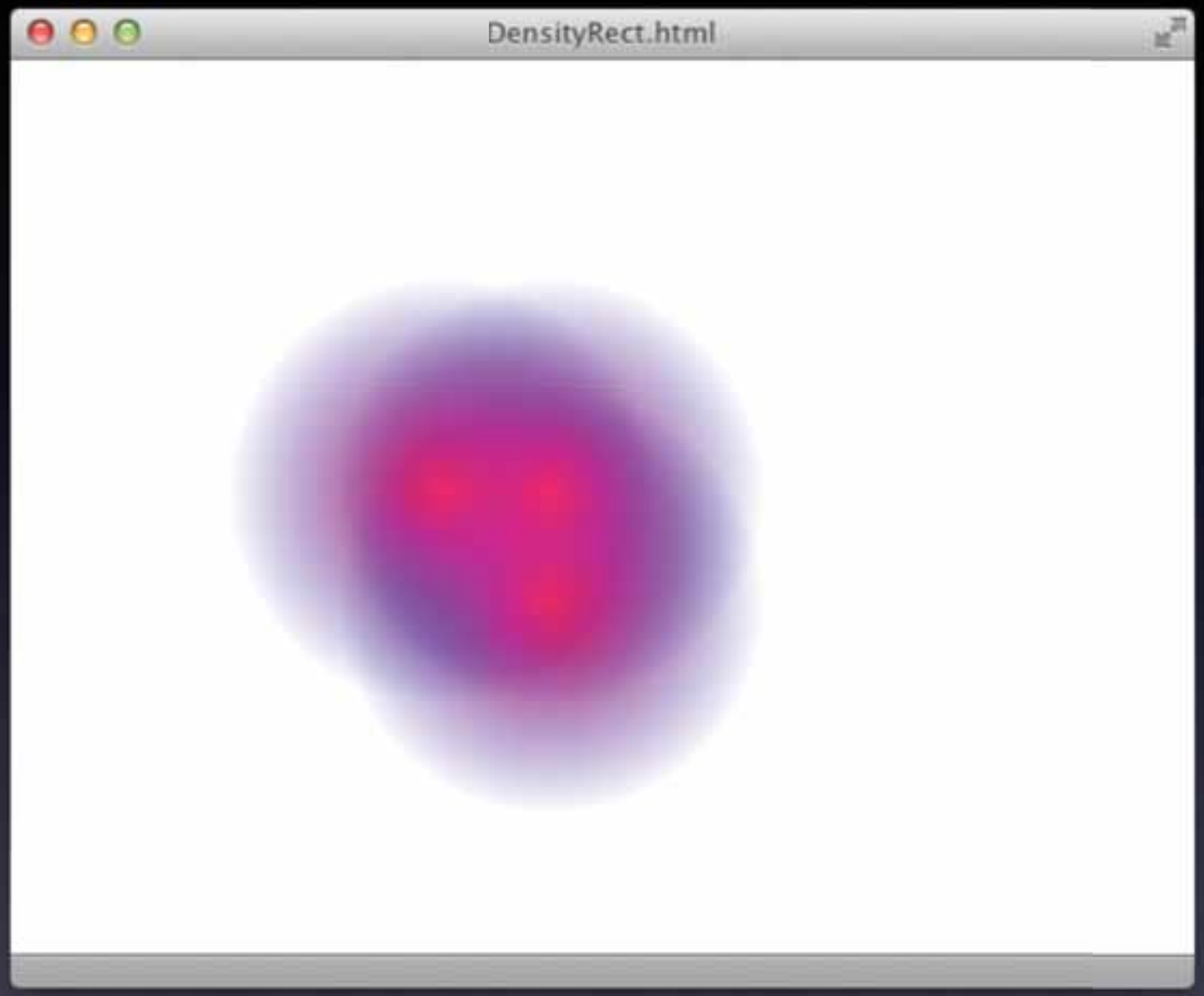
Mobile Development

- Android
- iOS
- Apple Developer

LocalTileLayer Demo

Custom Symbols Demo

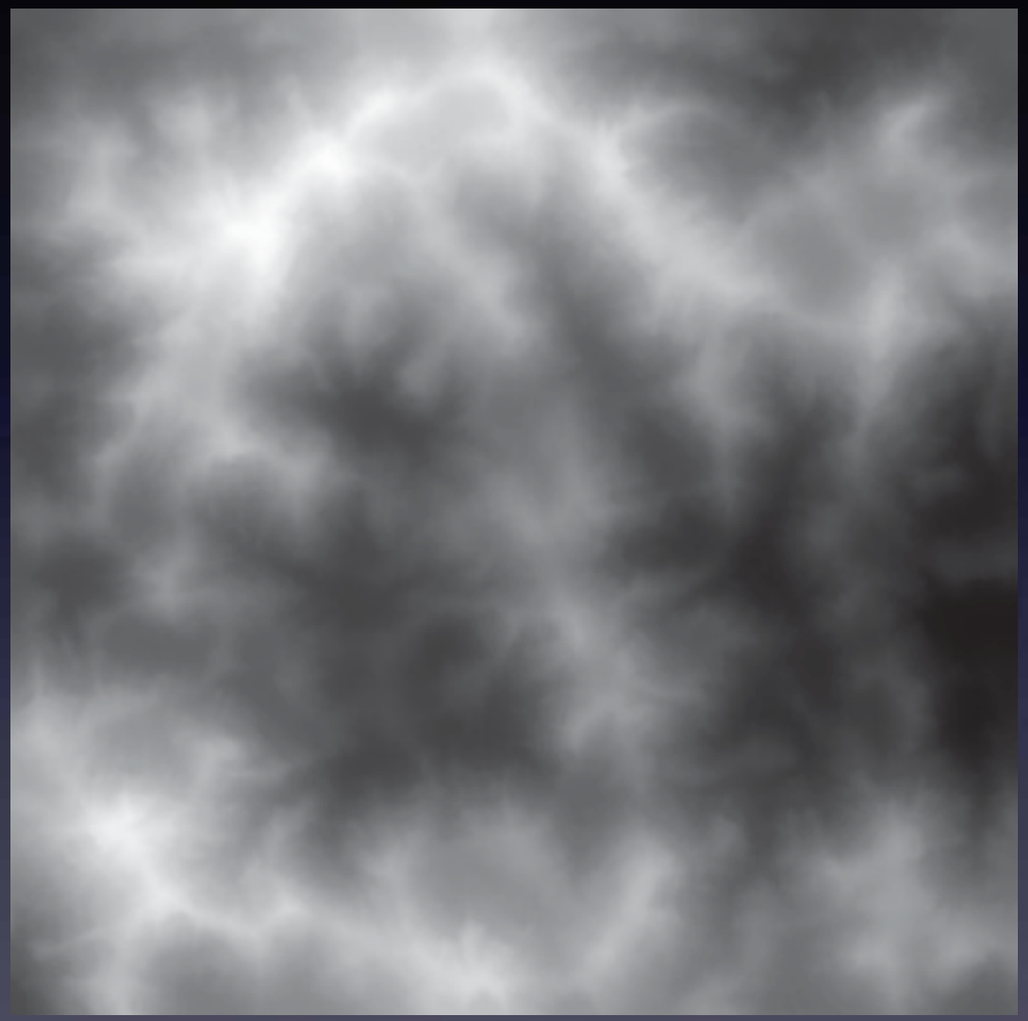
Heat Maps


DensityRect.html

BitmapData

Gradient Filling

- Density Point
- Density Map
- 3D Density



More Info

- http://resources.arcgis.com
- http://links.esri.com/flex
- http://www.adobe.com/devnet/flex.html

http://www.esri.com/ucsessionsurveys

Survey Offering

1932