

# SuperGIS Server

## Chapter 5

### Integrated with ArcGIS Server Online Layer



# Learning Objects

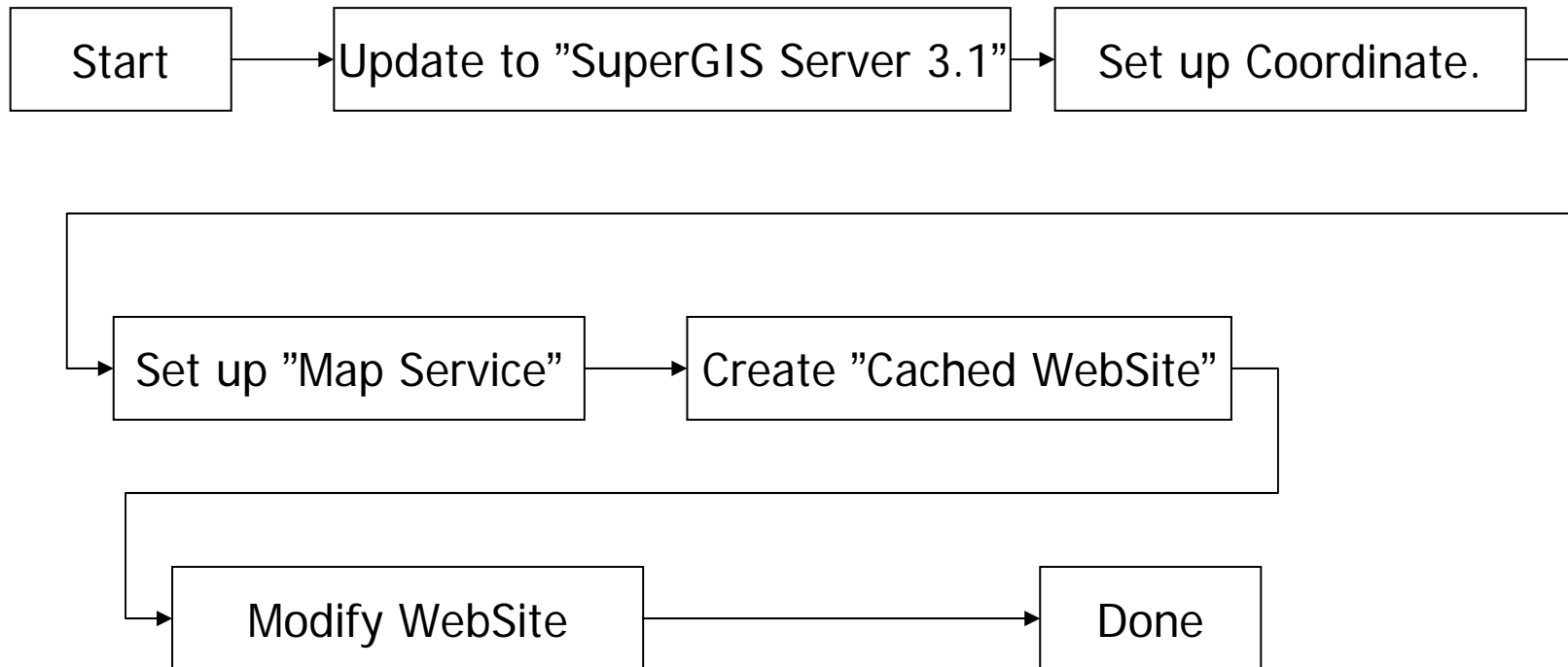


- SuperGIS Server includes ArcGIS Server Online Layer
- ArcGIS Map API includes SuperGIS Server



# ArcGIS Server Online Layer

# Overall Workflow



# SuperGIS Server includes Google Map API



- 1. Update to "SuperGIS Server 3.1"
- 2. Set up Coordinate in the project file.
- 3. Set up Map Service
- 4. Set up WebSite

# Project File Set up In Coordinate.



- The Coordinate system in every layer has to be set as “Geographic Coordinate System” “WGS84” with SuperGIS Desktop 3.1.
- Assign the “layer” projection with “GoogleWGS84.prj”
- Assign the “layers“ projections with “GoogleMercator.prj”
- Publish a map service, create a “cached website”.

# Google Map Scale:

- 591658710.909131
- 295829355.454566
- 147914677.727283
- 73957338.863641
- 36978669.431821
- 18489334.715910
- 9244667.357955
- 4622333.678978
- 2311166.839489
- 1155583.419744
- 577791.709872
- 288895.854936
- 144447.927468
- 72223.963734
- 36111.981867
- 18055.990934
- 9027.995467
- 4513.997733
- 2256.998867
- 1128.499433
- 564.249717
- 282.124858

# Modify WebSite

- Includes “js”
  - `<script type="text/javascript" src="scripts/ArcGISOnline.js"></script>`
- Add ArcGIS Server Online
  - `var pLyr1 = new ArcGISOnline("http://server.arcgisonline.com/ArcGIS/rest/services/NatGeo_World_Map/MapServer", OnLoaded);`
  -

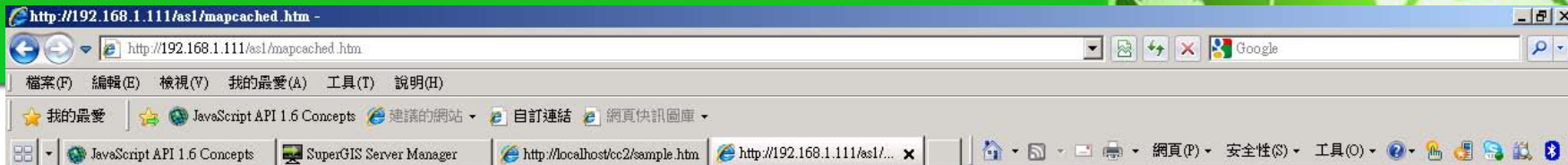


# Function Uploaded()

- `var pLyr = this;`
- `var pOMap = document.getElementById("OMap");`
- `var pExt = pLyr.getExtent();`
- `var pTrans = new CachedLevelTransformation(pLyr);`
- `//var pMapBase = new MapBase(pOMap, pTrans, 0, 0,`  
`"100%", "100%");`
- `gMapBase.AddLayer(pLyr);`
- `var pLyr2 = new MapCachedLayer("SuperGIS Server",`  
`"Agent.aspx");`
- `gMapBase.AddLayer(pLyr2);`
- `gMapBase.ZoomMapTo(pExt);`
- `pTrans.putMapLevel(Math.floor(pTrans.getMapLevel()));`
- `pTrans.FitLevel();`
- `gMapBase.RefreshMap(true);`
- `pMapCont.RebuildElement();`

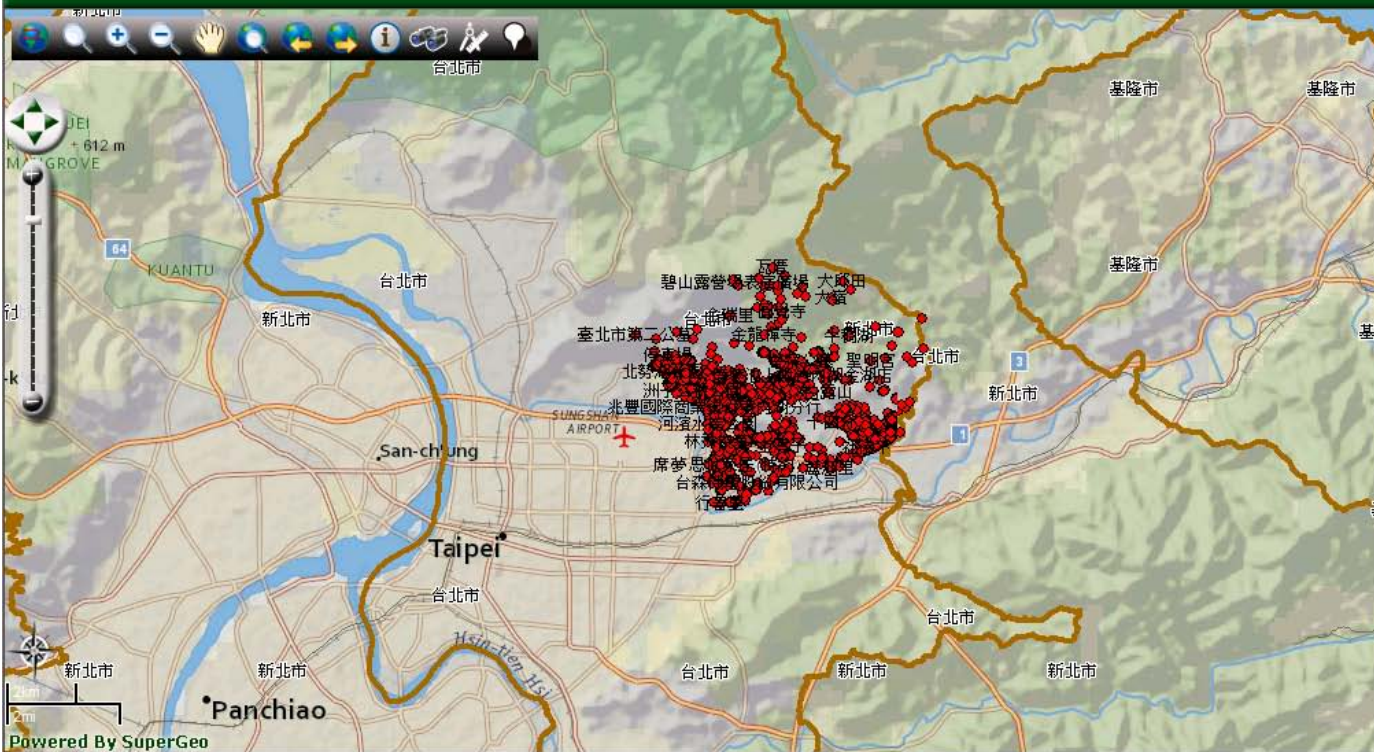
# Reference

- C:\Program Files\SuperGeo\Server\ClientAPI\JavaScript\Samples\Sample20.htm



# SuperGIS Server Website

X:13541641.2326 Y:2885344.9439



**Layers**

- SuperGIS Server
  - poi84
  - rail84
  - city84
- National Geographic World Map

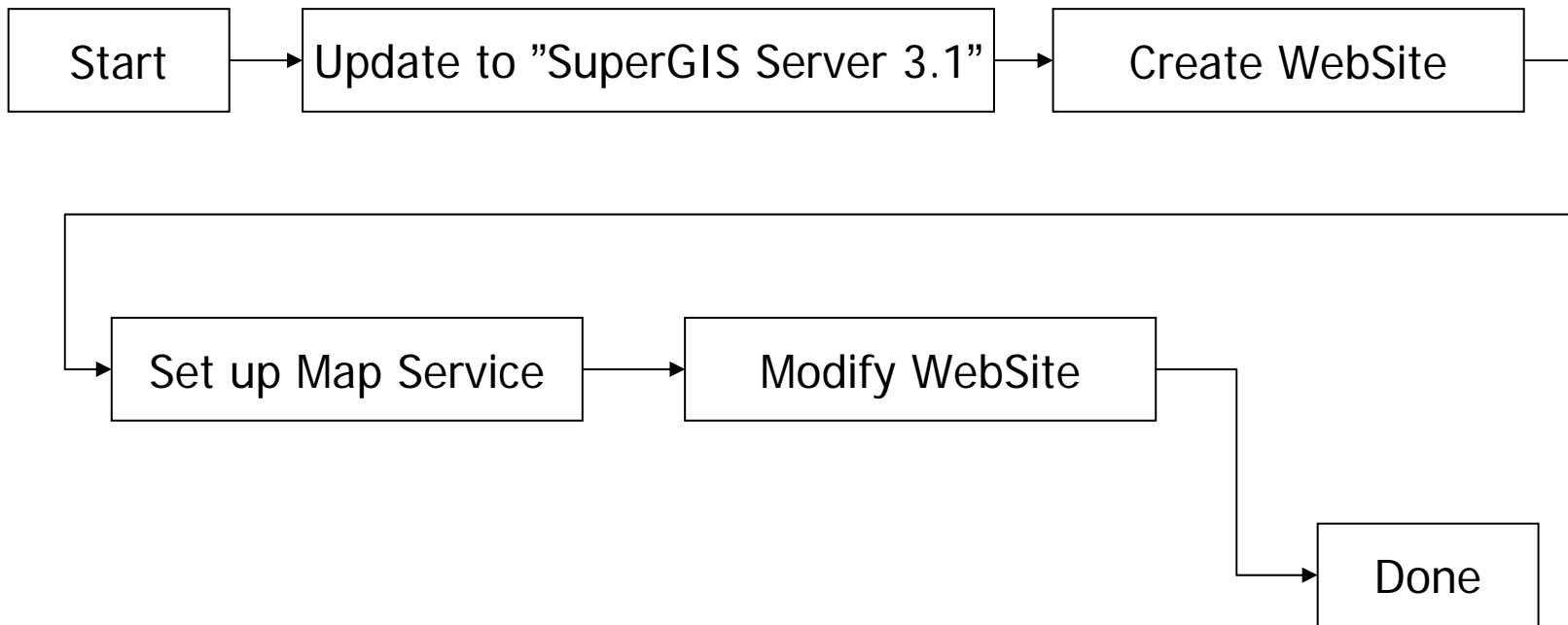
Layers (mark)





# ArcGIS Online API includes SuperGIS Server Layer

# WorkFlow



# Google Map API includes SuperGIS Server



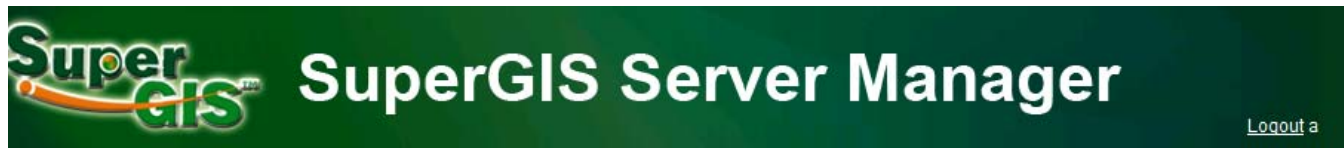
- Update to "SuperGIS Server 3.1"
- Create WebSite
- Set up Map Service
- Modify WebSite

# Reference

- C:\Program Files\SuperGeo\Server\ClientAPI\ArcGISOnline\sample.htm

# Set Up the Map Service in the Specific Folder

- In “Folder” add the “public”.
- In “public” folder, add the map service.



## Publish Services

Folder

- Resources
- + public

New... Delete

Published Services

- a2

New... Delete

Config...

Home



# Set Up Google Map Scales



591658710.909131

295829355.454566

147914677.727283

73957338.863641

36978669.431821

18489334.715910

9244667.357955

4622333.678978

2311166.839489

1155583.419744

577791.709872

288895.854936

144447.927468

72223.963734

36111.981867

18055.990934

9027.995467

4513.997733

2256.998867

1128.499433

564.249717

282.124858

# Set up Boundary Value

**Copy the “Top” value to “Y”  
(To meet the requirements of  
ARCGIS server online boundary.)**

# SuperGIS Server Manager

[Logout a](#)

## Map Cache

Map Cache

Editing

- Use cache that you define below  
 Generate cache on demand

### Scale Definition

Add

Remove

Load...

Suggest...

### Cache Extent

Origin(bottom-left) X:

Y:

Left:  Top:

Right:  Bottom:

Reload from document

### Image Settings

Format:  Quality:

Width:  Height:

Smoothing (anti-aliasing)

Cache Directory:

Copy and Paste



# Modify WebSite

- sample.htm
- Change the “IP” and “cfg” name in sample.htm.



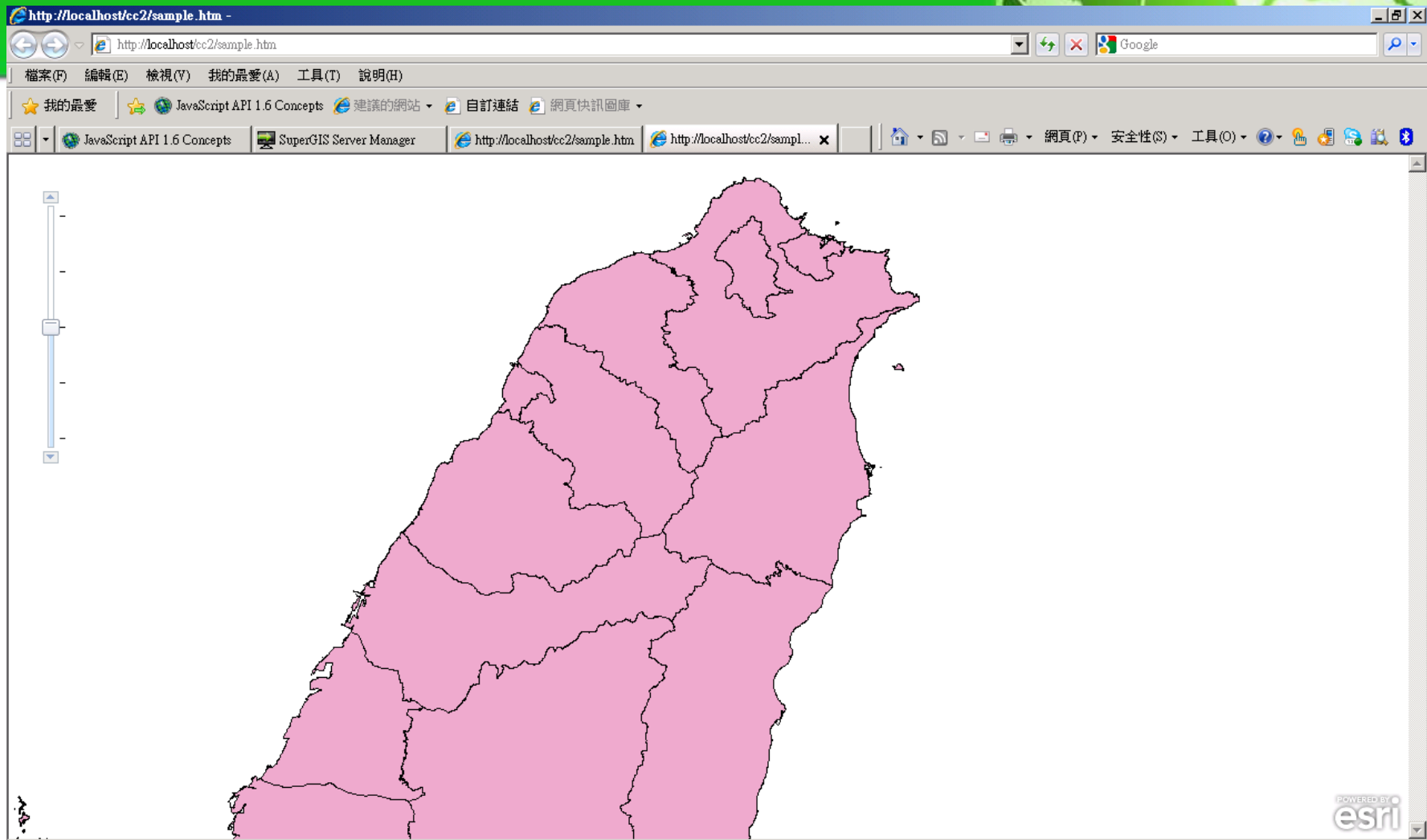
```
Folder
Resources
+ public

Published Services
cc
cc2

ItraEdit-32 - [D:\cc2\sample.htm*]
legend
檔案(F) 編輯(E) 搜尋(S) 專案(P) 檢視(V) 格式(O) 區塊(L) 巨集(M) 進階(A) 視窗(W) 幫助(H)
mple.htm*

<script type="text/javascript">
  dojo.require("esri.map");
  function init()
  {
    var map = new esri.Map("OMap");
    map.addLayer(new SGSTileLayer("http://192.168.1.103/sgspws/SGSPAgent.ashx", "public\cc2.cfg", 0));
  }
  dojo.addOnLoad(init);
</script>
</head>
<body class="claro" style="margin:0px">
  <div id="OMap" style="position:absolute;left:0px;top:0px;width:100%;height:100%;"></div>
</body>
```

IP





**The End**