SuperMap 北京超图

SuperMap Software Co., Ltd.

SuperMap iClient for JavaScript Getting Started —Leaflet

SuperMap Software Co., Ltd.

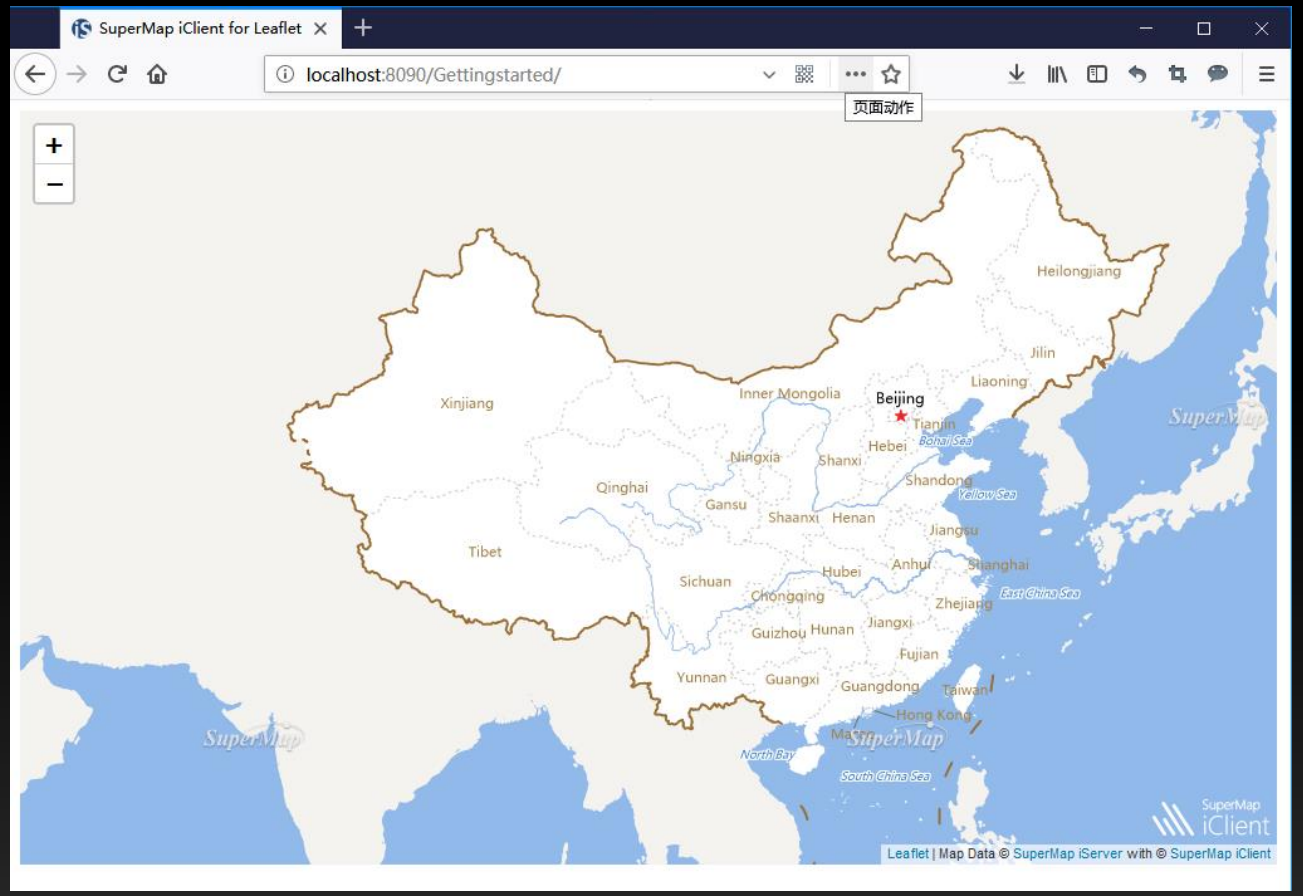
Contents

- Publish GIS data through the internet as a service and browse the service at the client side

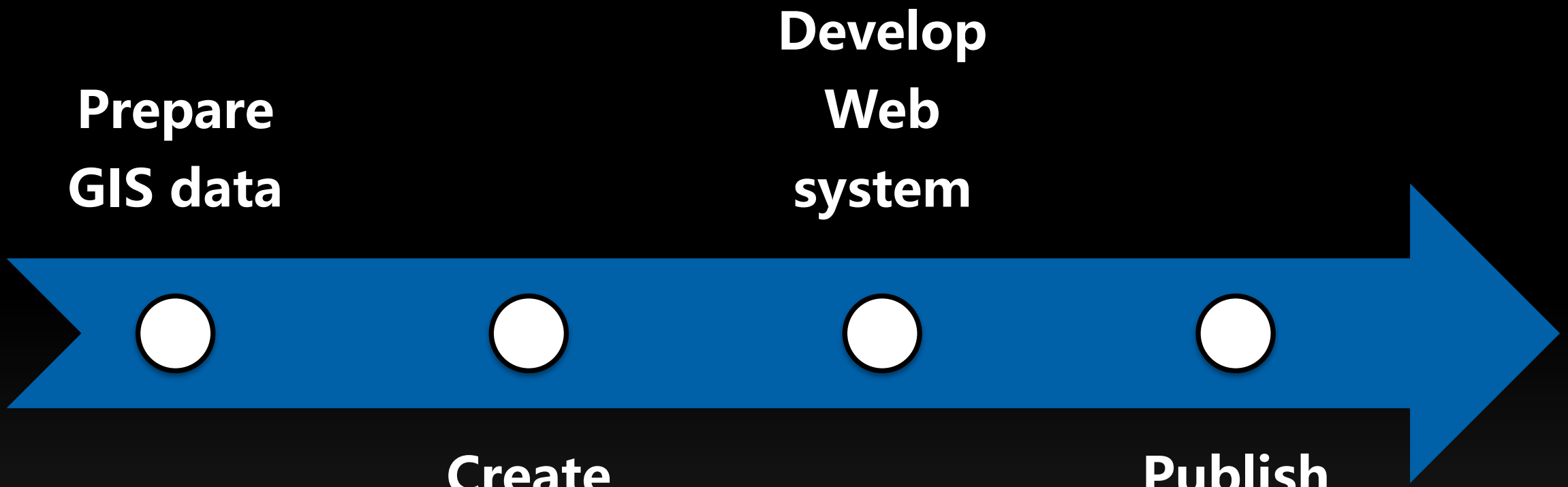
Note: “SuperMap iClient for JavaScript” is abbreviated as “JS” in the course

System Target

- Publish a web system
  - Functions: Browse a map

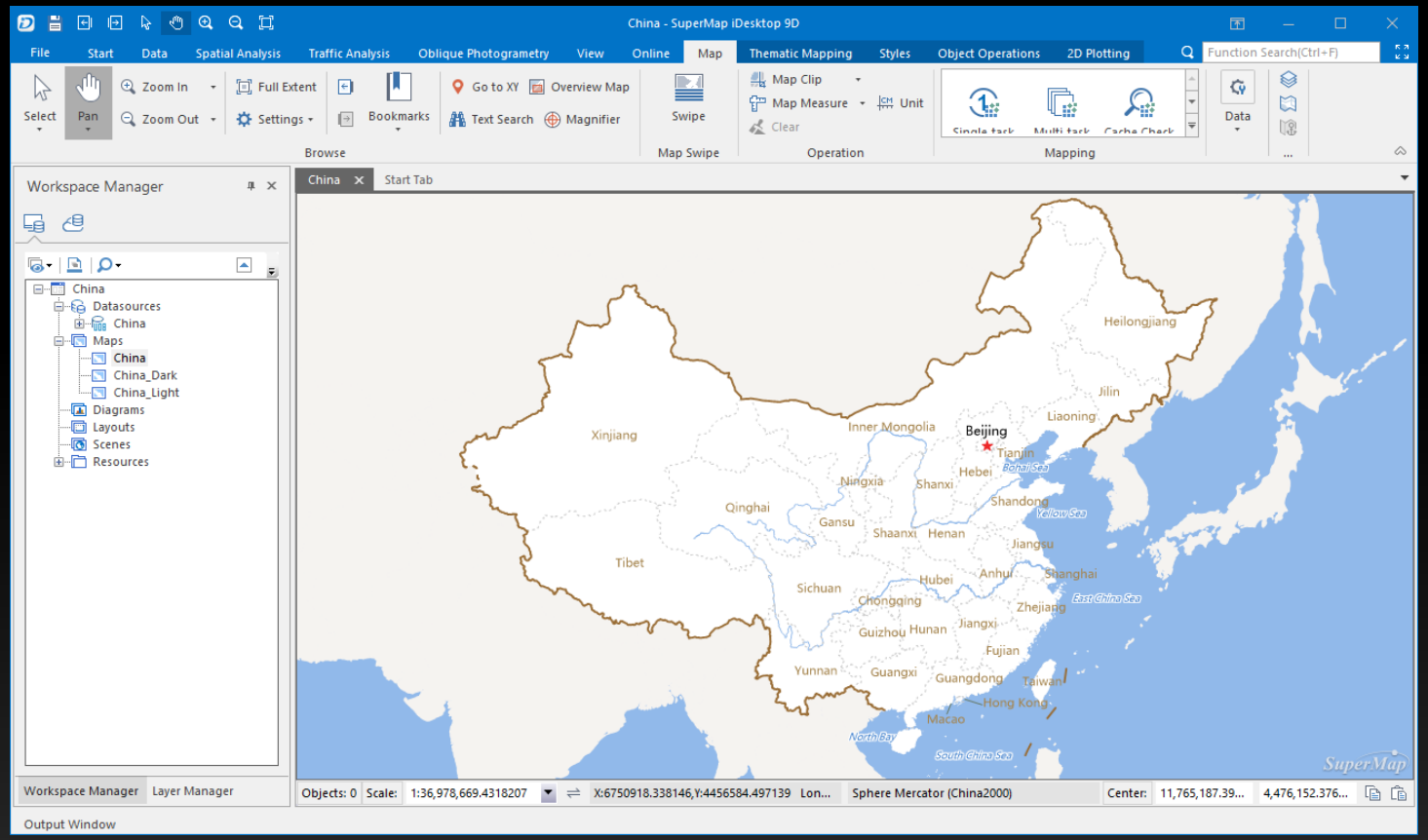


Steps


Prepare GIS data
Create iServer service
Develop Web system
Publish Web system

Step 1: Prepare GIS Data

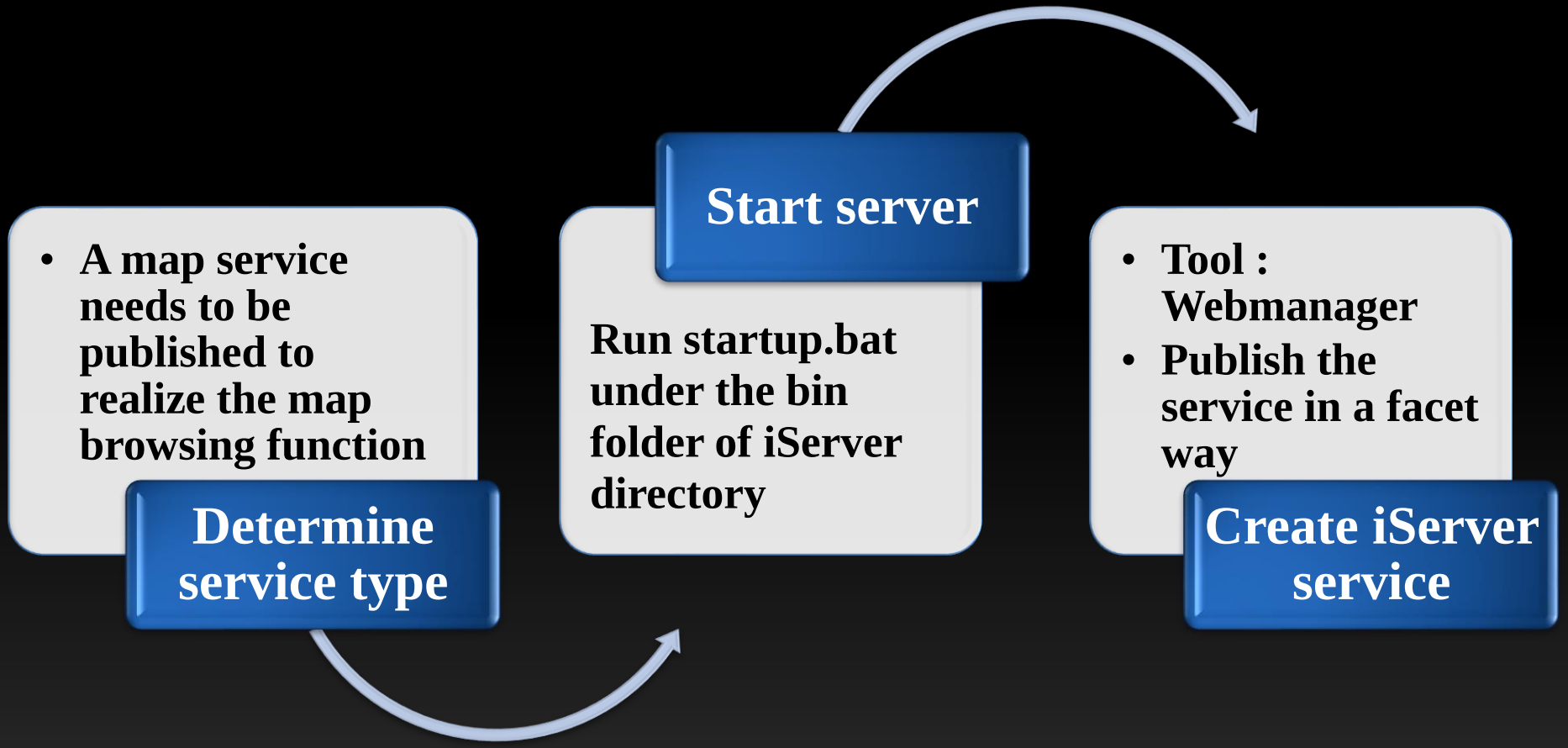
- Prepare GIS data with SuperMap iDesktop
  - Map: World



Note: Sample data of iServer-- China.smwu is used in this course

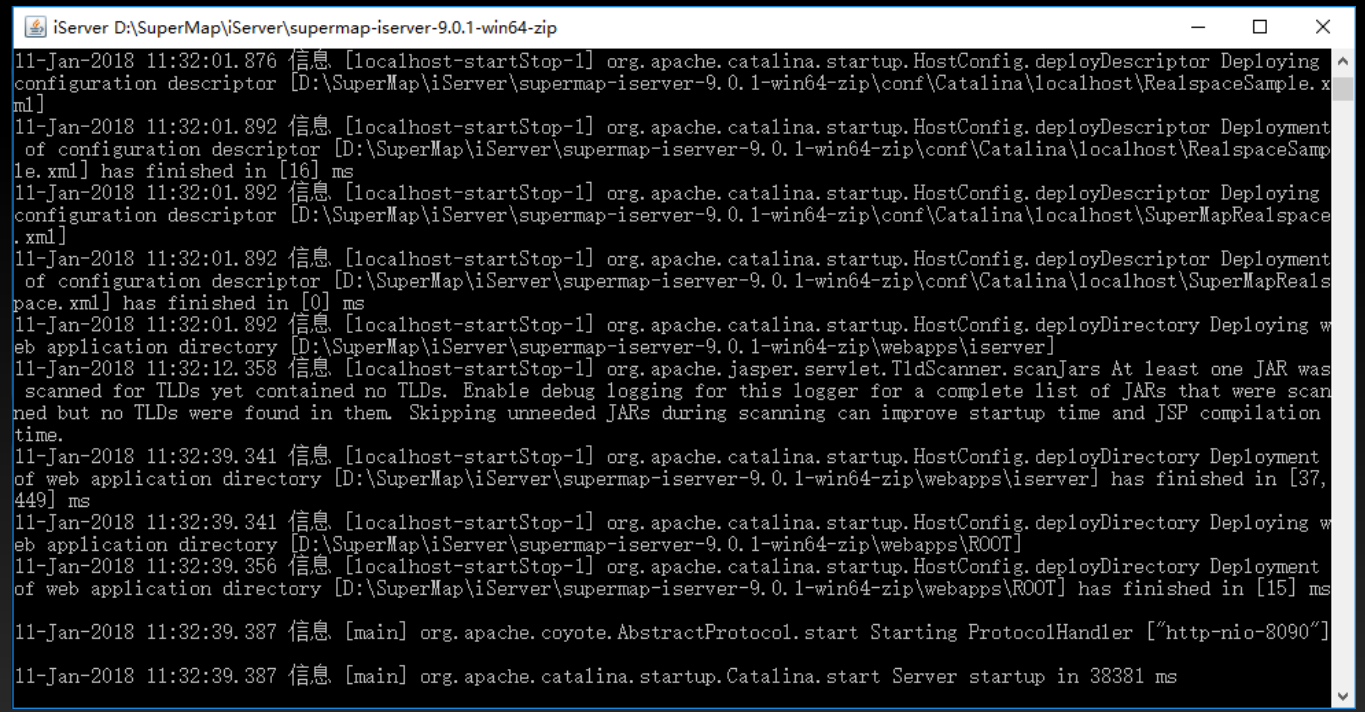
Step 2: Create iServer Service

- Contents



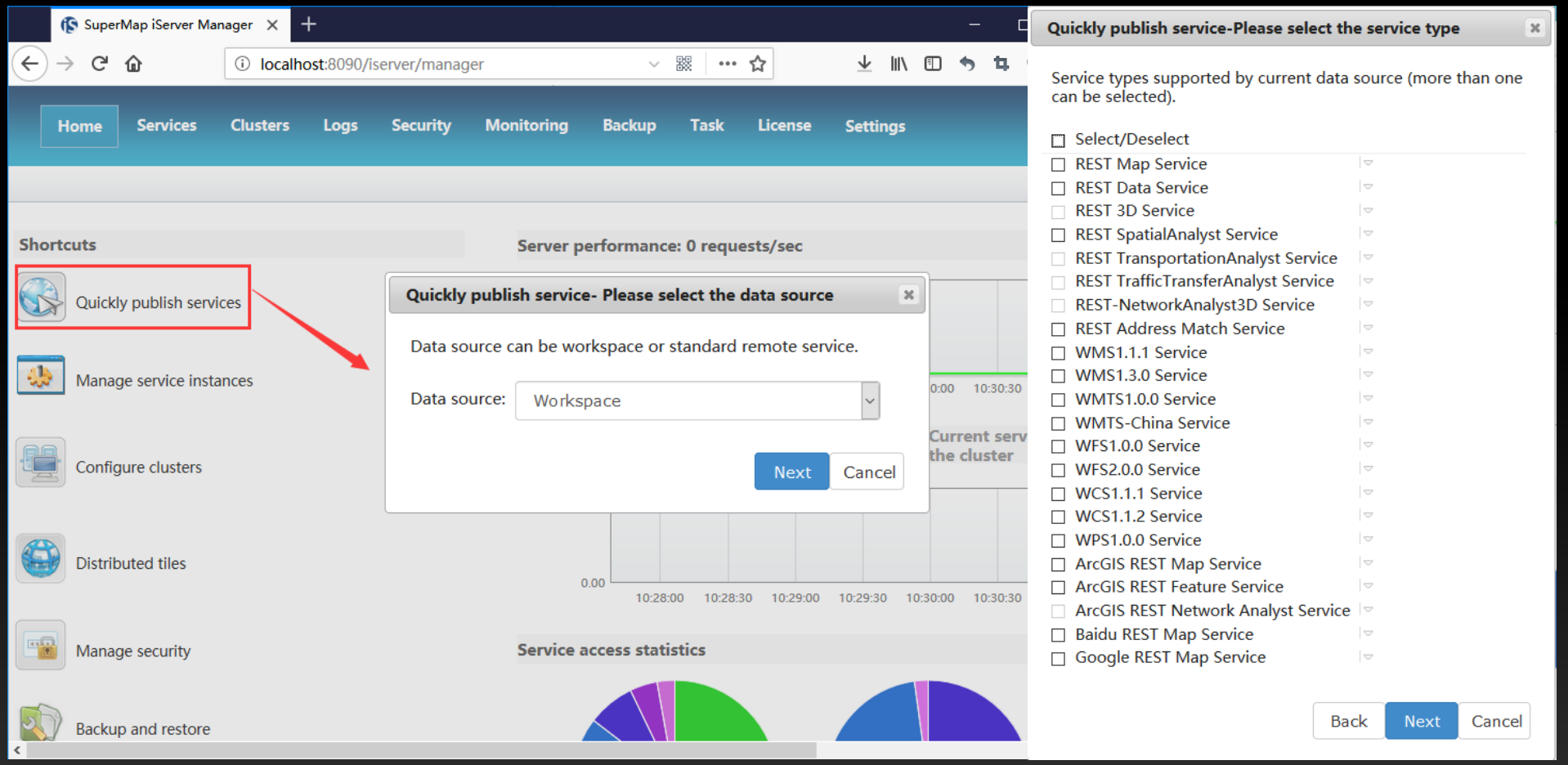
Step 2: Create iServer Service

- Start iServer
  - Method 1: Run startup.bat under the bin folder
  - Method 2: Start > Programs > SuperMap > SuperMap iServer > Start iServer Service



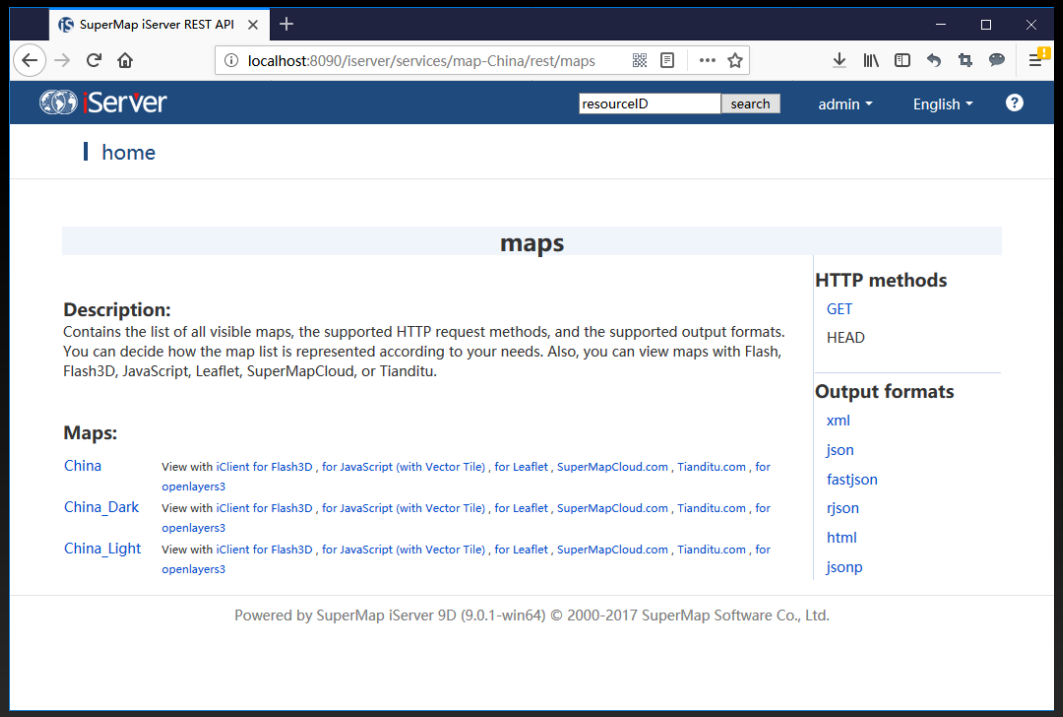
Step 2: Create iServer Service

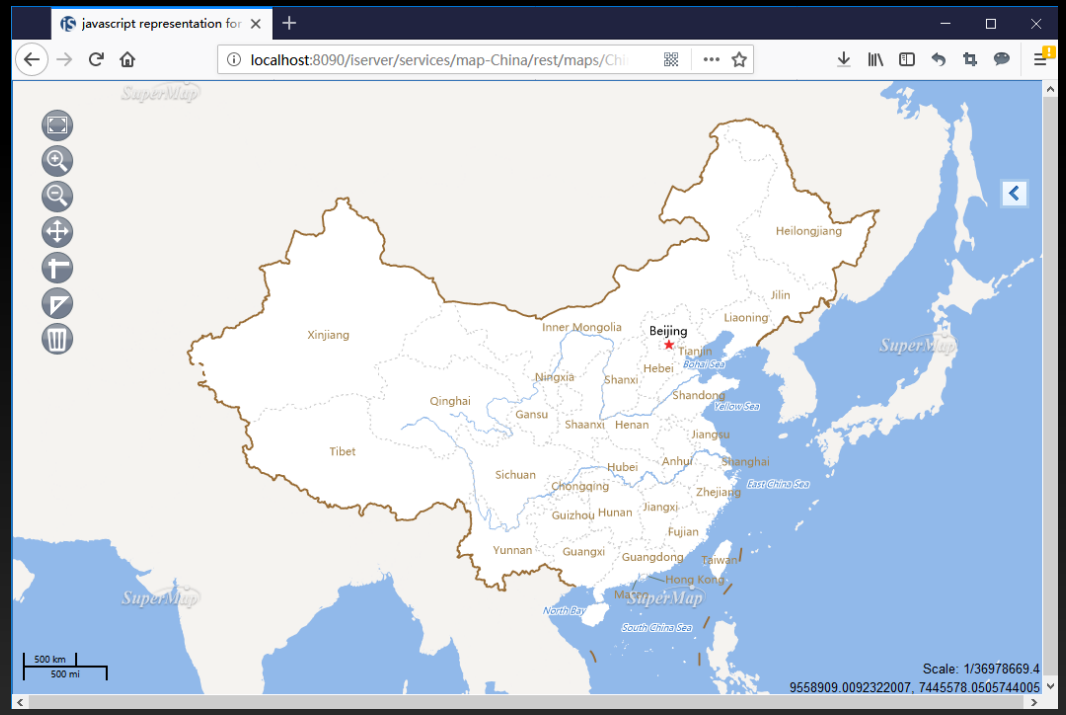
- http://localhost:8090/iserver/manager/



Step 2: Test iServer Service

- Open Web browser
  - Map service address: http://localhost:8090/iserver/services/map-China/rest/maps/China



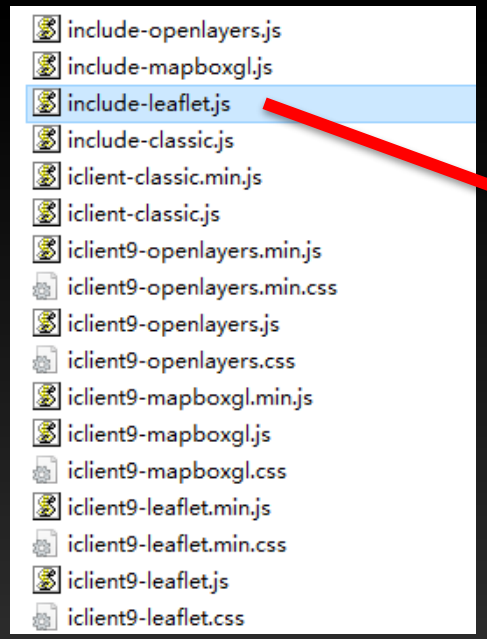


Step 3: Develop Web System

- Development Tool—SuperMap iClient
  - Libraries for the client GIS development tool
  - Acquire iServer services
  - Development tool for Web systems
- SuperMap iClient Location
  - [iServer installation directory]/iClient directory
- This example employes SuperMap iClient for JavaScript
  - SuperMap iClient for JavaScript product package
  - [iServer installation directory]/iclient/forJavaScript

Step 3: Copy Script Library Files

- Create the GettingStarted folder
- Copy script library files to the new folder
  - dist folder – Core library files for development frameworks
  - libs folder – Third-party technology libraries (under web folder)



Step 3: Create an HMTL Page

```
<html>
        <head>
                <meta http-equiv="Content-Type" content="text/html; charset=utf-8" >
                <title>SuperMap iClient for JavaScript</title>
        </head>

        <body >

        </body>
</html>
```

Step 3: Add Script Library Reference

```
<html>
        <head>
                <meta http-equiv="Content-Type" content="text/html; charset=utf-8" >
                <title>SuperMap iClient for JavaScript</title>
                 <script src="dist/include-leaflet.js"></script>
        </head>
        <body>
        </body>
</html>
```

Step 3: Add DIV for Map Control

```
<html>
……
<body onload=onPageLoad()>
        <div id="map" style="width:800px;height:500px;">
    </div>
</body>
</html>
```

Step 3: Create map object and set properties such as center, scale, etc.

```
<head>
……
<script type="text/javascript">
        var map,layer,
        // Set GIS service address for browsing
        url = "http://localhost:8090/iserver/services/map-China/rest/maps/China";
        function onPageLoad() {
            // Cerate map object

map=L.map("mapDiv",{center:[0,0],maxZoom:18,zoom:2,crs:L.CRS.EPSG3857});

        }
</script>
</head>
```

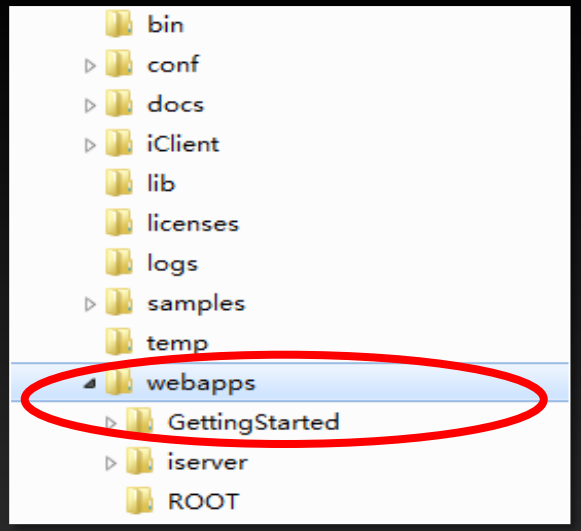
Step 3: Add iServer layer to Map

```
<head>
.....
<script type="text/javascript">
        var map,layer,
        // Set GIS service address for browsing
        url = "http://localhost:8090/iserver/services/map-China/rest/maps/China";
        function onPageLoad() {
            // Create map object

map=L.map("mapDiv",{center:[0,0],maxZoom:18,zoom:2,crs:L.CRS.EPSG3857});
            L.supermap.tiledMapLayer(url).addTo(map);
        }
</script>
</head>
```

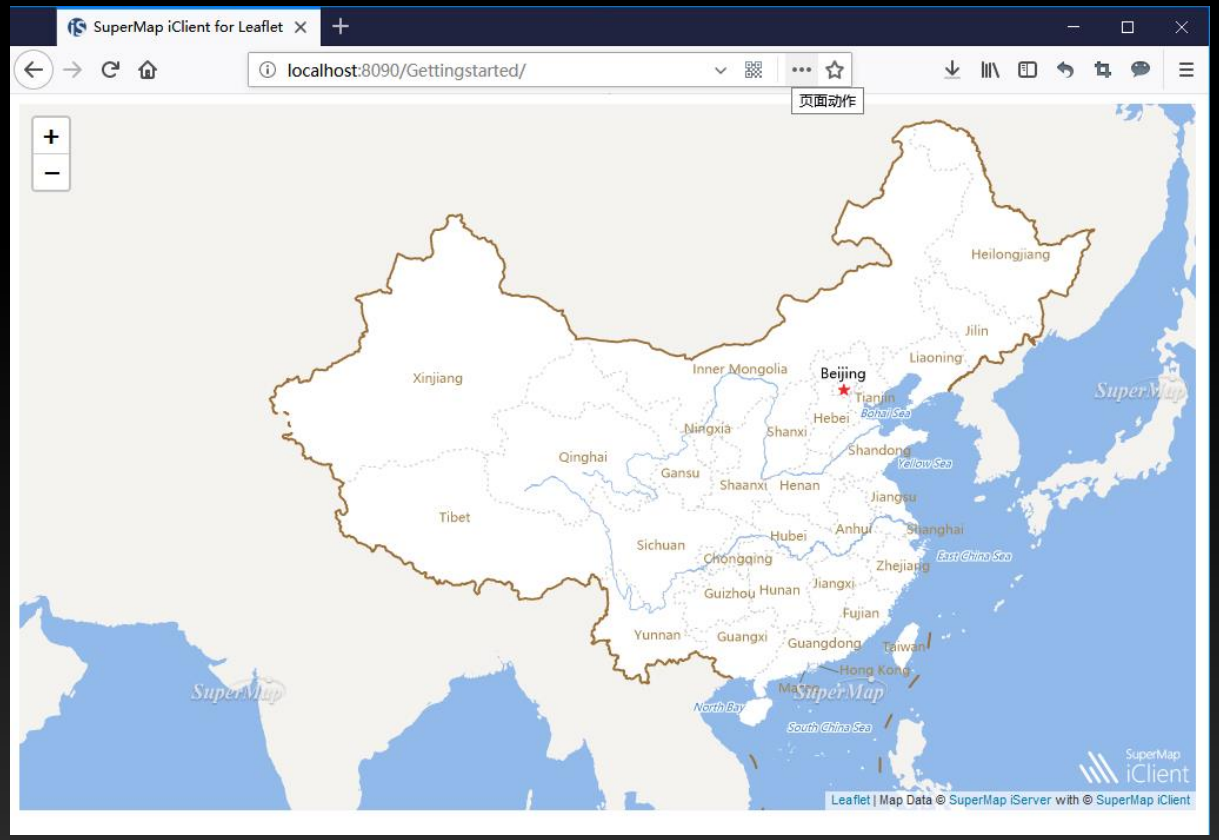
Step 4: Publish Web System

- System deployment and debugging (Tomcat)
  - Copy the GettingStarted folder to the webapps directory of Tomcat
    - Tomcat in SuperMap iServer is employed in this example
    - Copy the GettingStarted folder to [SuperMap iServer root directory]/webapps



Step 4: Publish Web System

- Browse for debugging http://localhost:8090/GettingStarted/



Thanks!

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