

How to browse iPortal maps by iClient for JavaScript 8C API

SuperMap iClient 8C for JavaScript provides API to browse the maps in SuperMap iPortal, which helps you create a iPortal map on Web page.

The following provide two examples, which helps you understand how to use JavaScript API to browse the iPortal maps.

- Example 1: Browse a public map in iPortal
- Example 2: Browse an iPortal map which requires access permission

Example 1: Browse a public map in iPortal

In “Getting started with iClient for JavaScript 8C” , we've learnt how to use SuperMap iClient 8C to build a simple map application to access SuperMap iServer maps. Here we introduce how to browse a public map in SuperMap iPortal.

Step1: Download and unzip library file

Download the SuperMap iClient 8C for JavaScript package, and unzip the package to the local disk. Download

address: <http://support.supermap.com.cn/product/iClient.aspx>

Step2: Create an HTML page

Create a new folder in a disk and named as "MyFirst"; In the "MyFirst" folder, create a "iPortal_MapViewer.html page with a text editor (such as NotePad++) . And save the html to UTF-8 encoding. Add the following codes to it:

```

1  <!DOCTYPE html>
2  <html>
3  <head lang="en">
4    <meta charset="UTF-8">
5    <title></title>
6    <style>
7      .mapcontainer{
8        height:600px;
9      }
10     #urlInput{
11       width:300px;
12     }
13   </style>
14
15   <script src = 'libs/SuperMap.Include.js'></script>
16 <body>
17 <label>Input iPortal address:<input id="urlInput"
18 type="text" placeholder="http://<service>:<port>/iportal"
19 /></label>
20 <br/>
21 <label>Input MapID:<input id="mapidInput"
22 type="text" placeholder="1"
23 /></label>
24 <br/>
25 <button onclick="selectMap()">Open map</button>
26 <div id="map" class="mapcontainer"></div>
27 <script>
28   //iPortal map browse API function
29   var urlInput=document.getElementById("urlInput");//Input iPortal address
30   var mapidInput=document.getElementById("mapidInput");//Input the map id
31   var viewer;
32   function selectMap(){
33     if(viewer){
34       viewer.destroy();
35     }
36     var
37     url=urlInput.value;//Get the iPortal address
38     var
39     mapid=mapidInput.value;//Get the map id
40     viewer=new
41     SuperMap.Cloud.MapViewer(url,"map");//According to the iPortal address and map id, browse a public iPortal map
42     viewer.previewMapById(mapid);//Create the map according to the map id
43   }
44 </script>
45 </body>
46 </html>

```

Step 3: Reference resource file

Copy the libs and theme folders to the "MyFirst" folder. You can also put them to other places by modify relative path of the reference script.

Step 4: Publish the example service

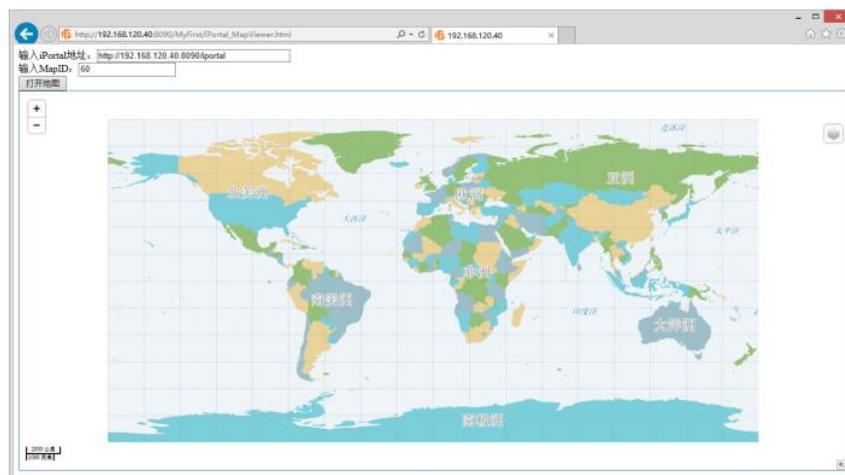
Copy the "MyFirst" folder to the directory of %SuperMap

iPortal_HOME%/webapps to publish the example. Start SuperMap iPortal and input:
http://192.168.120.40:8090/MyFirst/iPortal_MapViewer.html to access it.

You can also copy the "MyFirst" folder to other middlewares (such as Tomcat), or SuperMap iServers or other iPortals to publish it. Start the corresponding middleware and input: http://ip:port/MyFirst/iPortal_MapViewer.html ("ip" and "port" is the ip and port number of the corresponding middleware) to access it. No need to reboot the middleware service if it's already started.

Step 5: Browse an iPortal Map

Input the iPortal address (It needs to be the same with IP in the address toolbox, that is, if the address bar is IP, here it should be IP; If the address bar is localhost, here it should be localhost) For example, http://192.168.120.40:8090/iportal, then input map id. For example: 60, and click **Open Map** button to browse the iPortal public map.



Please refer to: iClient for JavaScript 8C ->"SuperMap.Cloud.MapViewer" for more information.

Example 2: Browse an iPortal map which requires access permission

The maps in SuperMap iPortal have the access permissions. For the non-public map, only the users who have the access permission can access it after logging iPortal. The following is a simple example to log in to iPortal. After logging successfully, use the same browser to access the "iPortal_MapViewer.html" page published in **Example 1**. Input iPortal address and map id, and click **Open Map** button to browse the maps which have access control in iPortal.

Step 1: Create an HTML page

Based on **Example 1**, create a "iPortalSecurity.html" html page in the "MyFirst" folder with a text editor (such as NotePad++). And save the html to UTF-8 encoding. Add the following codes:

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title></title>
6   <style type="text/css"
7     media="screen">
8     #urlAdr{
9       width:350px;
10    }
11  </style>
12  <script src = 'libs/SuperMap.Include.js'></script>
13 </head>
14 <body>
15   <div id="container">
16     <p>iportal</p>
17     <table>
18       <tbody>
19         <tr>
20           <td>Address:</td>
21           <td><input
22             id="urlAdr" type="text"></td>
23         </tr>
24       </tbody>
25     </table>
26     <p>Login</p>
27     <table>
28       <tbody>
29         <tr>
30           <td>Account:</td>
31           <td><input
32             id="user" type="text"></td>
33         </tr>
34         <tr>
35           <td>Password:</td>
36           <td><input
37             id="psw" type="password"></td>
38         </tr>
39       </tbody>
40     </table>
41     <input
42       id="loginBtn" type="button" value="Login">
43   </div>
44   <script>
45     var
46     urlInput=document.getElementById("urlAdr");
47     var
48     type=SuperMap.Cloud.Security.IPROTAL;
49     var
50     security;
51     //Login
52     var
53     loginBtn=document.getElementById("loginBtn"),
54     user=document.getElementById("user"),
55     psw=document.getElementById("psw");
56     loginBtn.onclick=function(){
57       if(security){
58         security.destroy();
59       }
60       var
61       url=urlInput.value;
62       security=new
63       SuperMap.Cloud.Security(type,url);
64       var
65       username=user.value;
66       var
67       password=psw.value;
68       security.login(username,password,function(){
69         alert("Login successfully!");
70       },function(){
71         alert("failed");
72       });
73     }
74   </script>
75 </body>
76 </html>

```

Step 2: Publish the example service

In [Example 1](#), we have already referred the resource file in the "MyFirst" folder, and copied the "MyFirst" folder to the directory of %SuperMap iPortal_HOME%/webapps.

If you publish the login example by copying the "MyFirst" folder to other middleware (for example, the Tomcat) or SuperMap iServer , or other iPortal, it occurs cross domain problem. And you need to configure as follows to solve this problem.

In the iPortal where the map you want to access locates, find the iportal.xml file in %SuperMap iPortal_HOME%/webapps/iportal/WEB-INF, and configure the <httpHeaderSetting> node as follows:

```

1 <httpHeaderSetting>
2   <accessControlAllowOrigins>
3     <string>http://192.168.120.40:8080/</string>
4   </accessControlAllowOrigins>
5   <defaultAccessControlAllowOrigin>*</defaultAccessControlAllowOrigin>
6 </httpHeaderSetting>

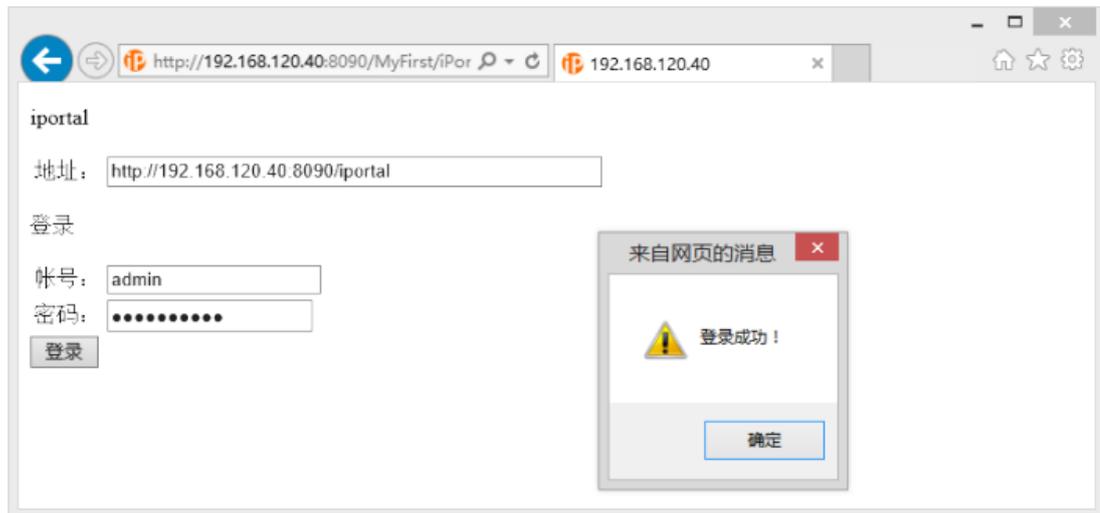
```

- <accessControlAllowOrigins>: Set the allowed domain. For example, the example to login iPortal is published by Tomcat, and the address is http://192.168.120.40:8080. You need to replace the default "http://ip:port" to "http://192.168.120.40:8080". Indicate the resources can be accessed by the "http://192.168.120.40:8080" request cross domain, multiple addresses are separated by English commas.
- <defaultAccessControlAllowOrigin>: The default domain. "*" represents all domains, but they can not send the cookies information (iPortal login

info is saved in cookies). At that time, it needs to configure the <accessControlAllowOrigins> node, and specify the allowed domain.

Step 3: Log in to iPortal

Start SuperMap iPortal (If it is deploy on other middleware, you need to start the middleware). Input <http://192.168.120.40:8090/MyFirst/iPortalSecurity.html> (If it is other middleware, it should be the ip+port). Then input the iPortal address (It should be the same with the IP in address bar, namely, if the address bar is IP, here it should be the IP; if the address bar is localhost, here it should be localhost). For example, <http://192.168.120.40:8090/iportal>, input the iPortal user account and password. Click the login button, it will prompt "Login successfully!" As shown in the figure below:



Step 4: Browse an iPortal Map which requires access permission

After logging in successfully, use the same browser to input:

http://192.168.120.40:8090/MyFirst/iPortal_MapViewer.html in the new window to run

