

SuperMap iClient for Leaflet

Map Display

SuperMap Software Co., Ltd.

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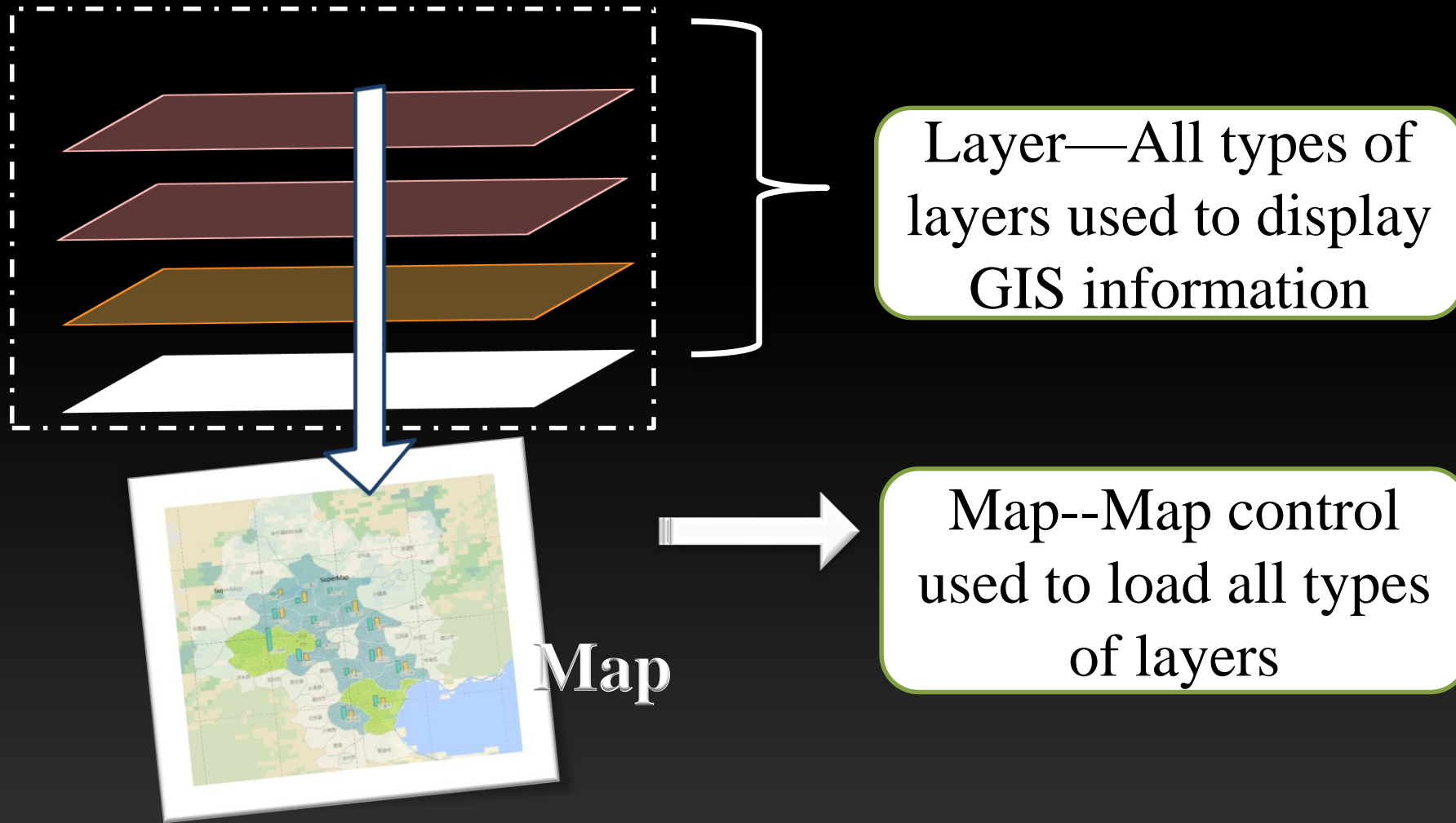
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Map Display Principle

- Add maps offered by services as layers to Map



Map Layer Object

Map layer L.supermap.*



SuperMap iServer
REST service layer
tiledMapLayer...

Third party services
baiduTileLayer
tiandituTileLayer...

OGC services
wmtsLayer...

Data sources

How to Load Map

Create map
object

- `map=L.map()`

Add layer to
map

- `L.supermap.*.addTo(map)`

Access iServer REST Map

```
<script type="text/javascript">
  var map,
  // Set GIS service address
  url = "http://localhost:8090/iserver/services/map-world/rest/maps/World";
  function onPageLoad() {
    // Create map object
    map=L.map("mapDiv",{center:[0,0],maxZoom:18,zoom:2});
    L.supermap.tiledMapLayer(url).addTo(map);
  }
</script>
```

- Refer to iServerRest.html of SampleCode

Access Tianditu Map

```
<script type="text/javascript">  
var map = L.map('map', {  
    center: [0, 0],  
    zoom: 0,  
    crs: L.CRS.TianDiTu_WGS84  
});  
L.supermap.tiandituTileLayer({ layerType:"vec" }).addTo(map);  
L.supermap.tiandituTileLayer({ isLabel:true }).addTo(map);  
</script>
```

Access WMTS Map

```
var map,url="http://localhost:8090/iserver/services/map-china400/wmts100";
function onPageLoad(){
    var res = [165664.43905455674,82832.2195272785,41416.10976363925];
    map = L.map('map', {center: [0, 0], maxZoom: 18, zoom: 0,
    crs: new L.Proj.CRS("EPSG:3857",
        { origin: [-2.0037508342789244E7, 2.0037508342789244E7],
            resolutions: res })
    });
    L.supermap.wmtsLayer(url, {layer: "China",style: "default",tilematrixSet:
        "Custom_China",format: "image/png"}).addTo(map);
}
```

- Refer to wmtslayer.html of SampleCode

Map Overlay

```
var map,  
url="http://localhost:8090/iserver/services/map-world/rest/maps/World",  
url_overlay="http://localhost:8090/iserver/services/map-  
jingjin/rest/maps/JingjinPopulationDistributionMap_ThematicMap";//Overlay  
layer  
function onPageLoad(){  
    map=L.map('map',{center:[ 39.79,116.85],zoom:5,crs:L.CRS.EPSG4326  
    });  
    L.supermap.tiledMapLayer(url,{noWrap:true}).addTo(map);  
    L.supermap.tiledMapLayer(url_overlay, {transparent: true,opacity:  
    0.6}).addTo(map);  
}
```

- Refer to iServerRest_overlay.html of SampleCode

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Thank you

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