

# SuperMap iServer Service Aggregation

SuperMap Software Co., Ltd.



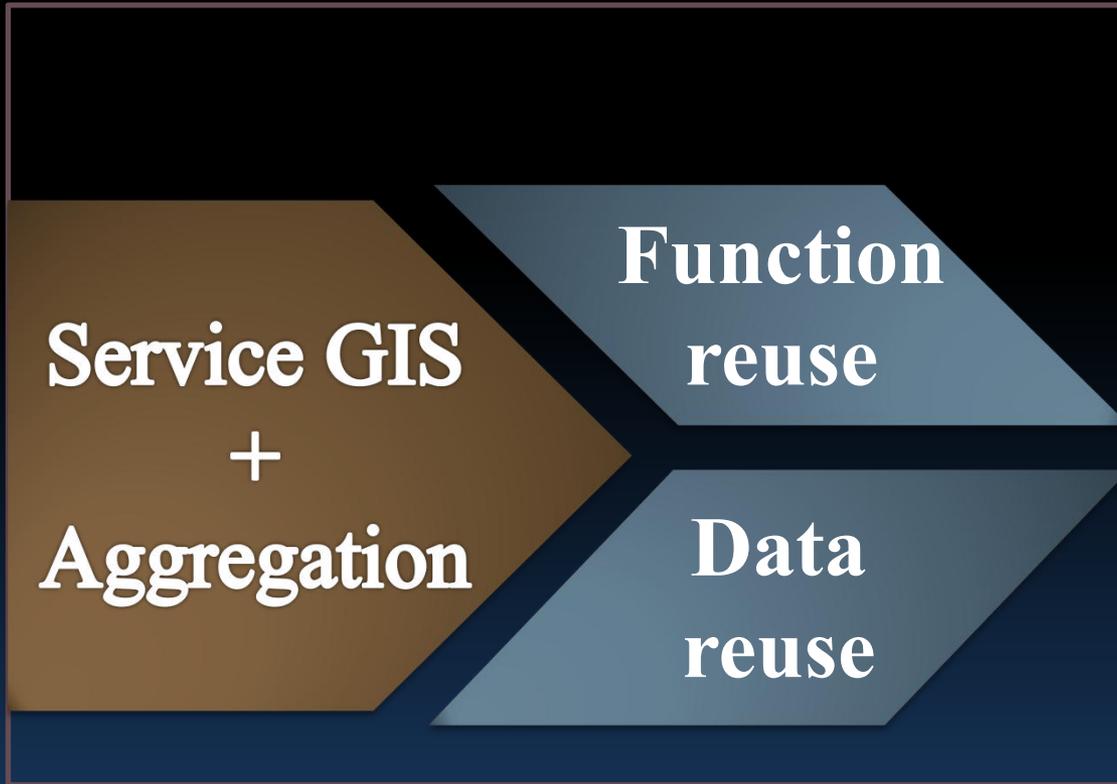
# Main Contents

- **Definition of aggregation service**
- **Principle of aggregation service**
- **How to create aggregation service**

# Definition of Aggregation Service

- **What is aggregation service?**
  - Integrate multiple source of GIS services with data and functions, then publish new GIS service with the aggregation result.
- **Principle:**
  - Unify the geographic coordinate system
- **The aggregation service type supported in iServer**
  - Aggregation map service
  - Aggregation data service

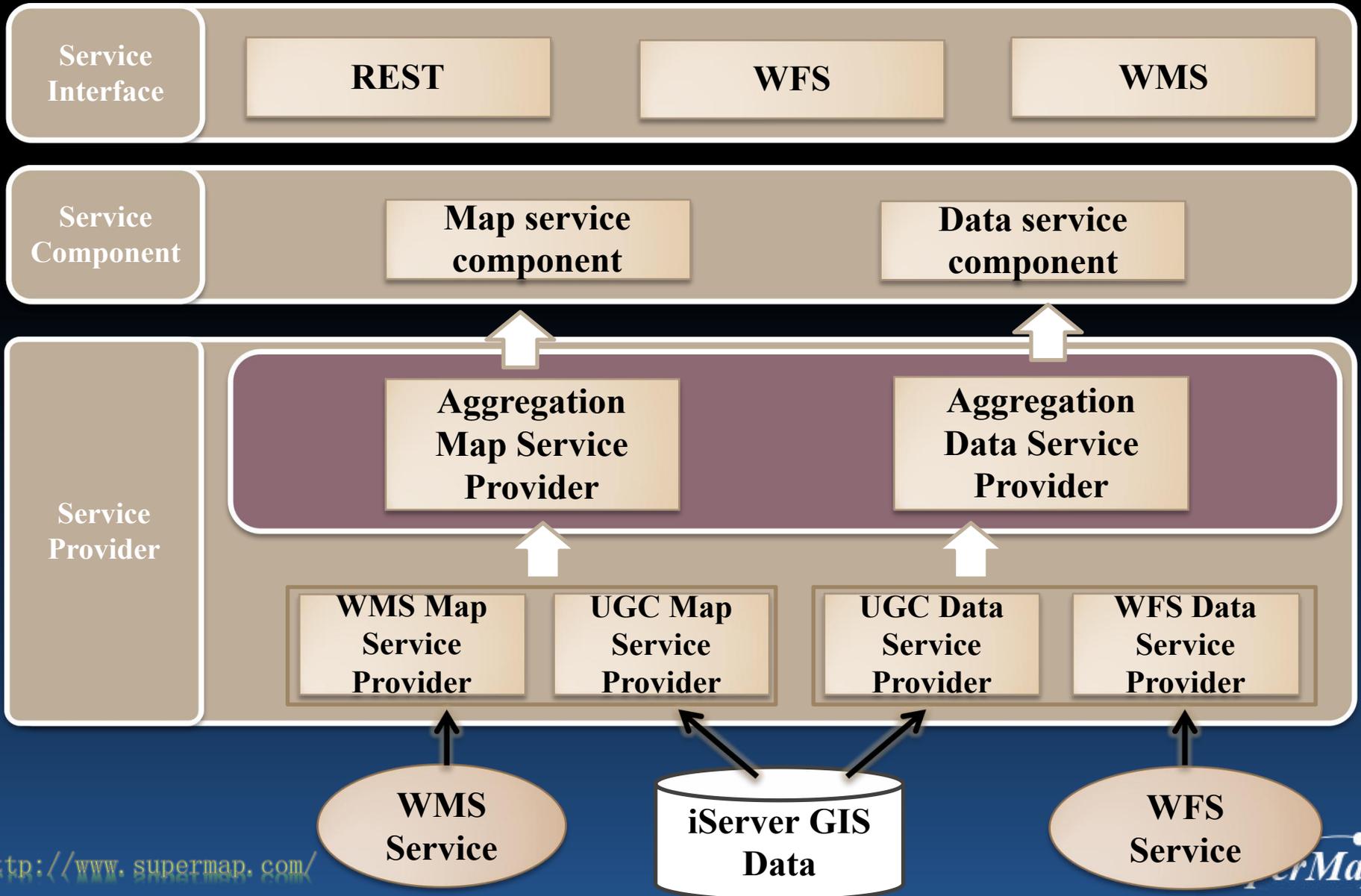
# Effect of Aggregation Service



Aggregation

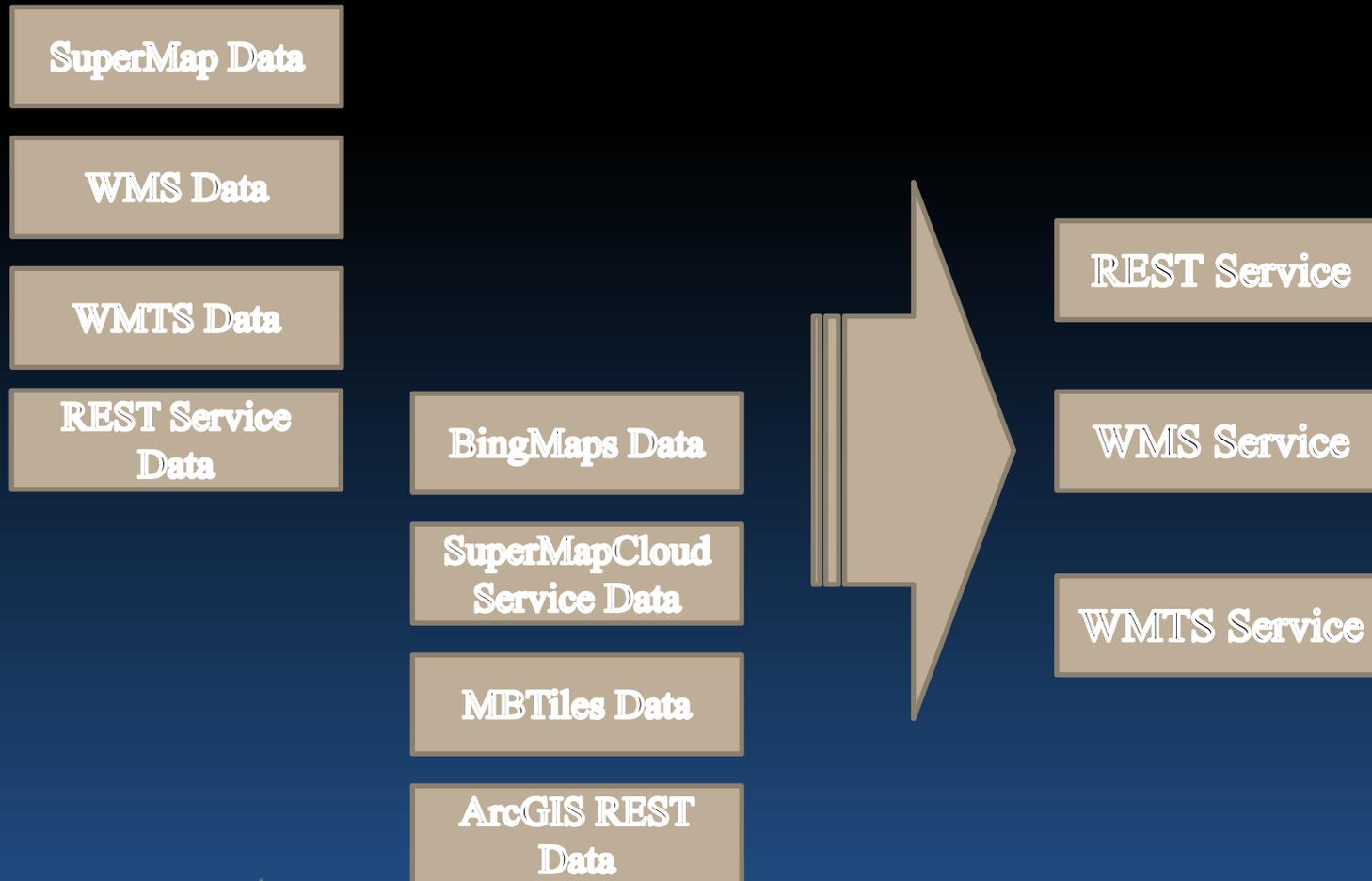


# Principle of Service Aggregation



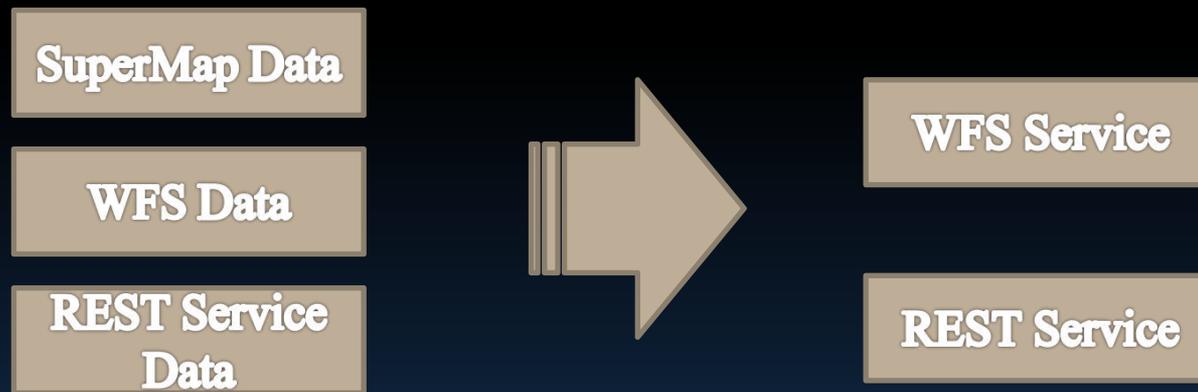
# Service Aggregation Supported Types

- **Map Service Aggregation**



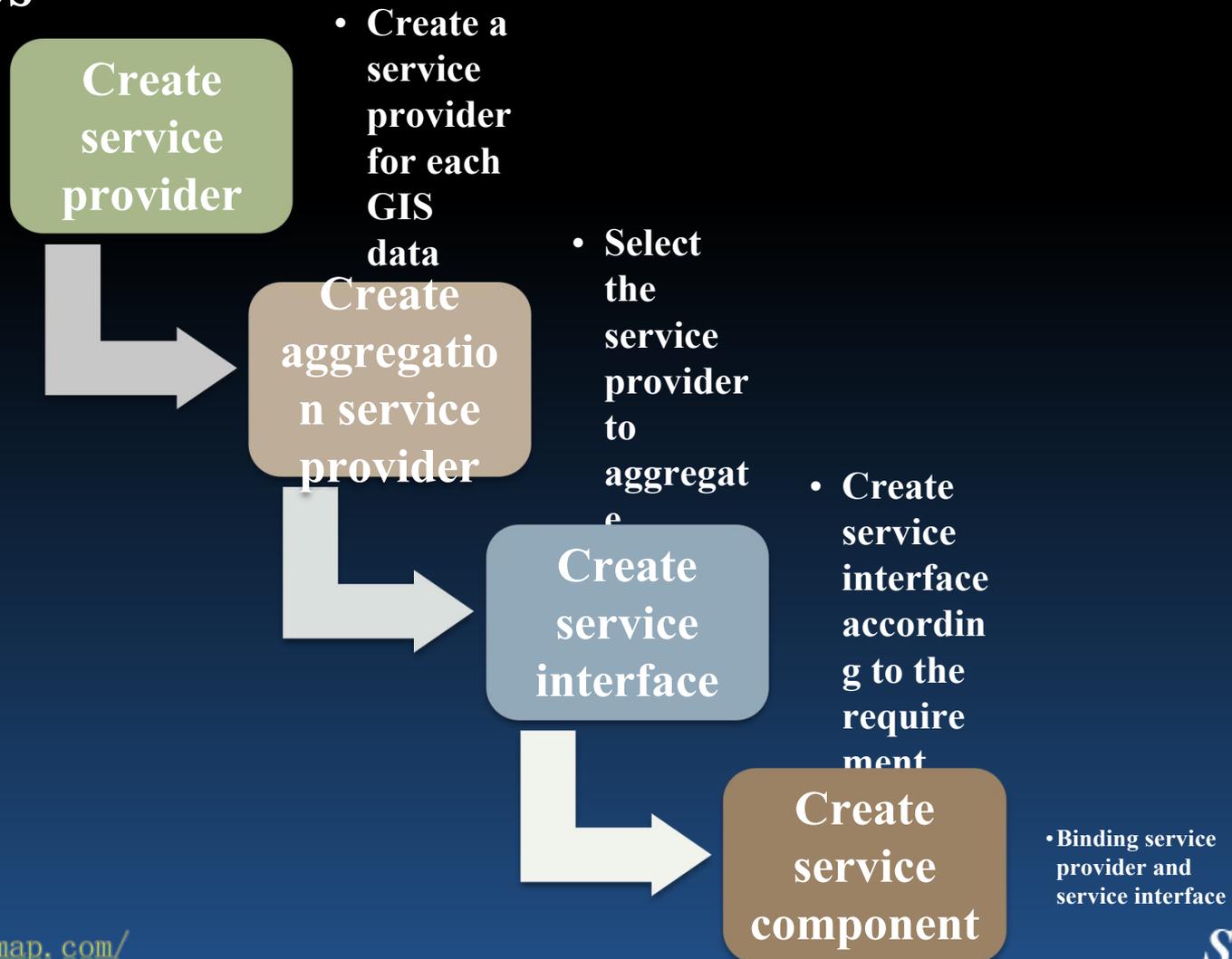
# Service Aggregation Supported Types

- **Data Service Aggregation**



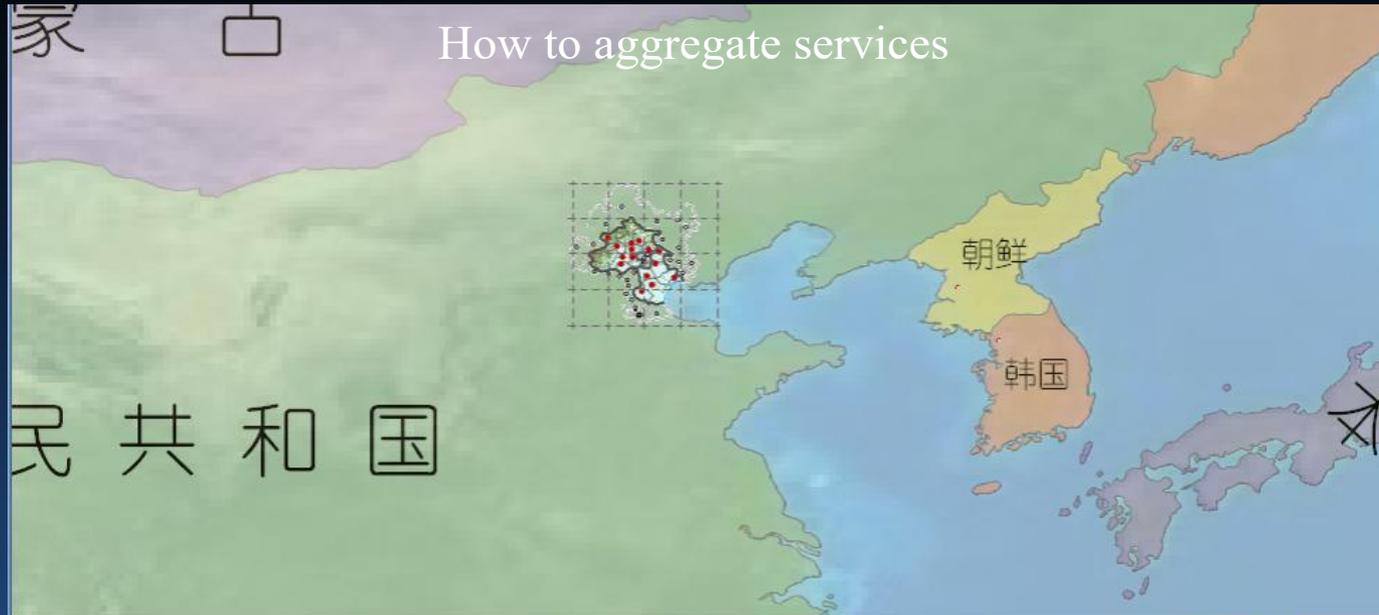
# How to Create Aggregation Service

- Steps



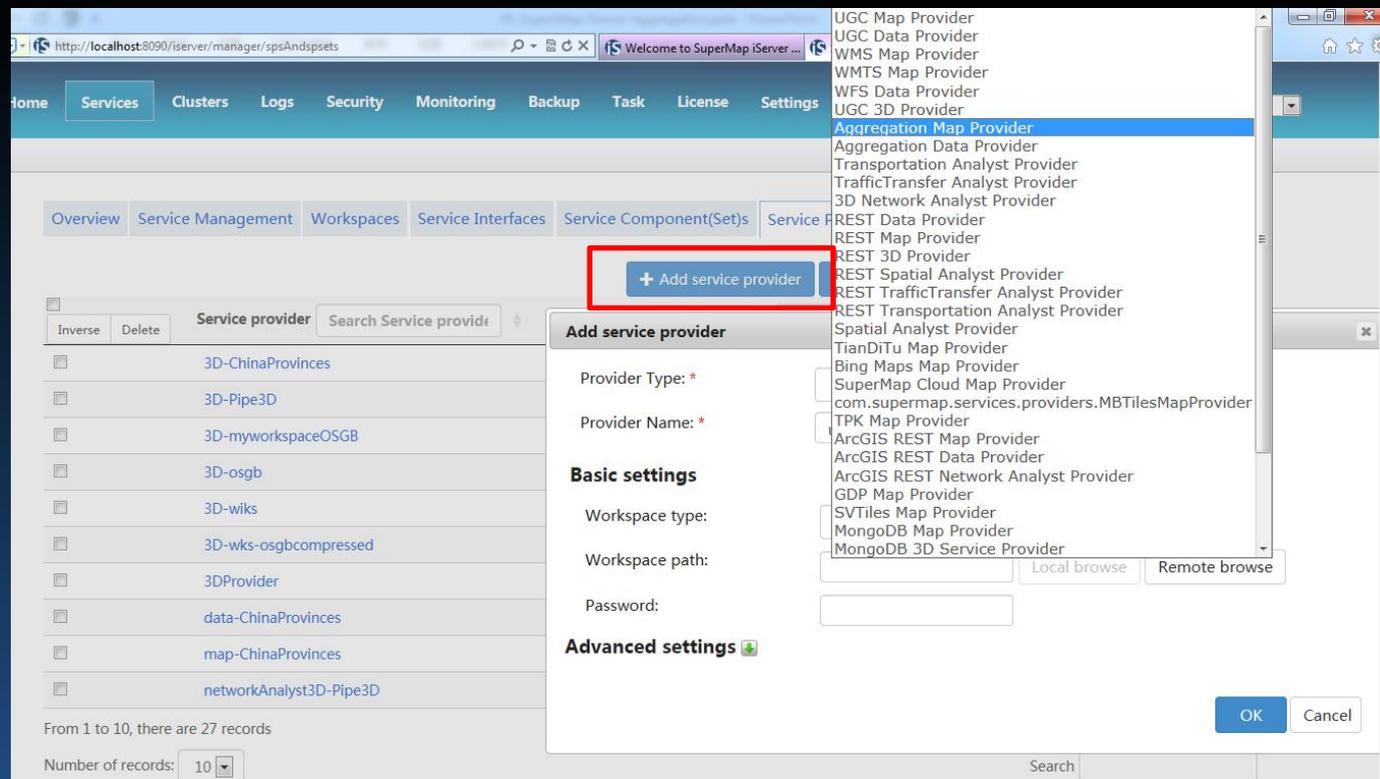
# How to Create Aggregation Service

- Aggregate the “World Map” and “Jingjin Map”, then publish it as map service
  - Publish the aggregated data as REST service



# How to Create Aggregation Service

- Create the map service provider for aggregation
  - Create the map service provider of world map
  - Create the map service provider of Jingjin map



# How to Create Aggregation Service

- Create aggregation service provider
  - Create aggregation map service provider

**Add service provider**

Provider Type: \*

Provider Name: \*

**Basic settings**

Provider name list:

Provider to be selected		The selected provider
map-ChinaProvinces		ugcMapProvider-Jingjin
ugcMapProvider-Changchun		ugcMapProvider-China400
ugcMapProvider-World		
ugcMapProvider-temperature		
ugcMapProvider-testus		

Buttons: Add >, < Remove

Aggregation map name: \*

Aggregation:

Aggregated maps:  Add

(existing items)  Remove Up Down

Select the aggregation map service provider type

Notice the orders: the data of the top provider will be displayed on the top

# How to Create Aggregation Service

- Create service component
  - Create map service component

Add service component

Service component name: \*

Service component type: \*  
Map Component

Used service provider/set:

Name of service provider/set	Selected
ugcMapProvider-China400	<input type="checkbox"/>
ugcMapProvider-World	<input type="checkbox"/>
ugcMapProvider-Changchun	<input type="checkbox"/>
ugcMapProvider-Jingjin	<input type="checkbox"/>
ugcMapProvider-temperature	<input type="checkbox"/>
map-test	<input type="checkbox"/>
ugcMapProvider-training	<input type="checkbox"/>
ugcMapProvider-training2	<input type="checkbox"/>
map-test2	<input type="checkbox"/>
aggMapProvider-test	<input type="checkbox"/>
map-Agentina	<input type="checkbox"/>
aggMapProvider-New	<input type="checkbox"/>
ugcMapProvider-TrainingTest	<input type="checkbox"/>
aggMapProvider-TrainingTest	<input type="checkbox"/>
map-Chart	<input type="checkbox"/>
map-Jingjin	<input type="checkbox"/>
map-Jingjin2	<input type="checkbox"/>
map-Jingjin3	<input type="checkbox"/>
map-Jingjin4	<input type="checkbox"/>
ugcMapProvider-Test10	<input type="checkbox"/>
ugcMapProviderSet	<input type="checkbox"/>

Interface bound to component: \*

Name of bound interface	Selected
wms111	<input type="checkbox"/>
wms130	<input type="checkbox"/>
wfs100	<input type="checkbox"/>
rest	<input type="checkbox"/>
wmts100	<input type="checkbox"/>
wmts-china	<input type="checkbox"/>
wcs111	<input type="checkbox"/>
wcs112	<input type="checkbox"/>

GeneralSetting

Enable caching:

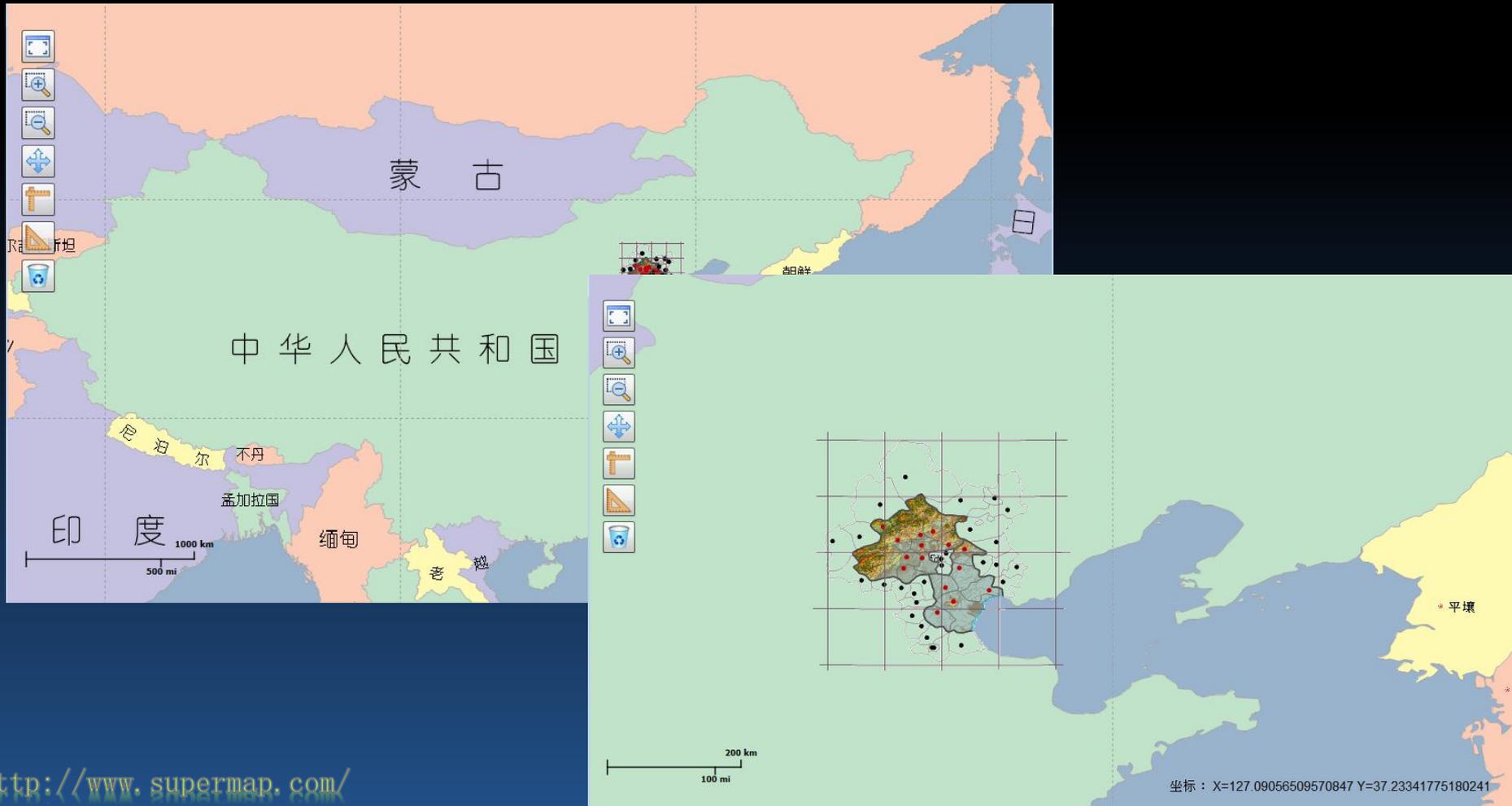
OK Cancel

Select the aggregation map service provider

Select the aggregation service interface to binding

# How to Create Aggregation Service

- Browse aggregation service



# Practice

- **Create an aggregation service based on “World Map” and “Jingjin Map”.**
  - **Publish the aggregation data as REST service**

# Thank You!

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