

SuperMap iServer Service Aggregation

SuperMap Software Co., Ltd.



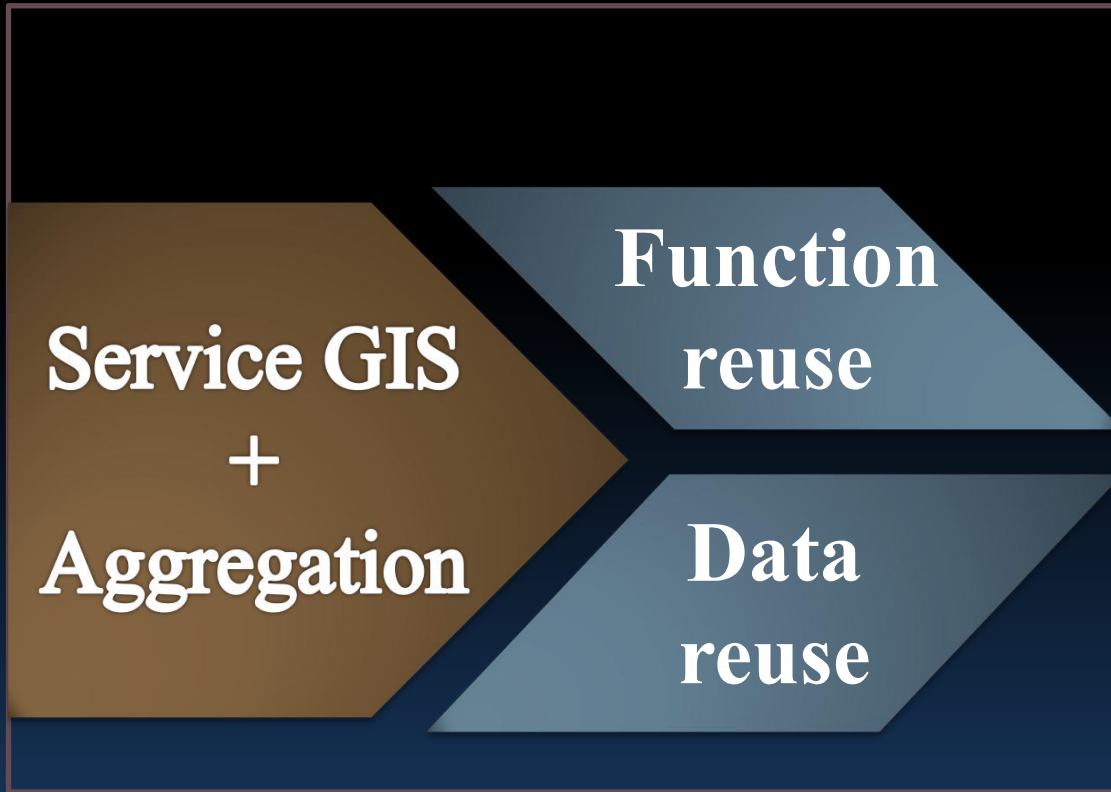
Main Contents

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

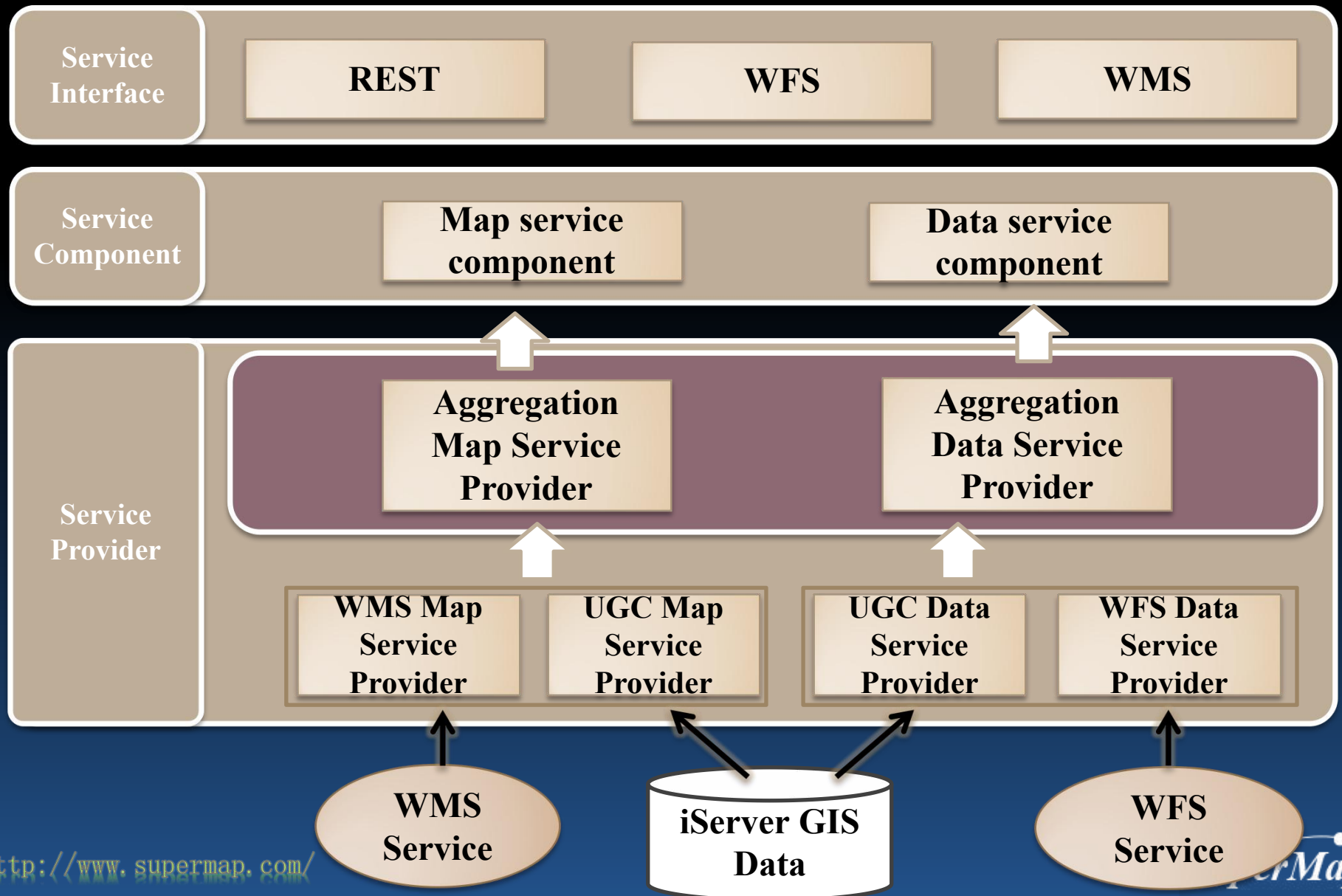
Definition of Aggregation Service

- **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

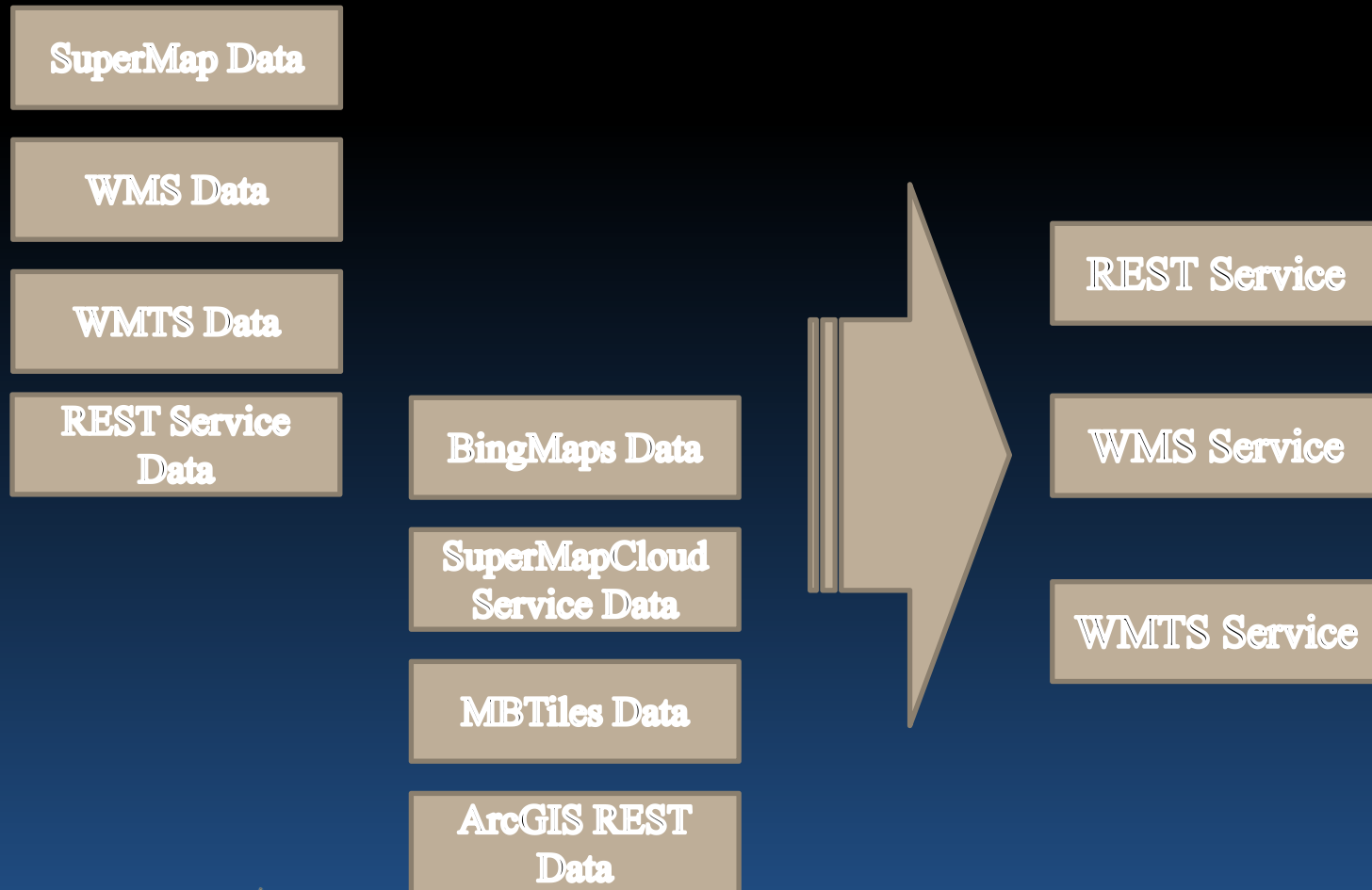


Principle of Service Aggregation



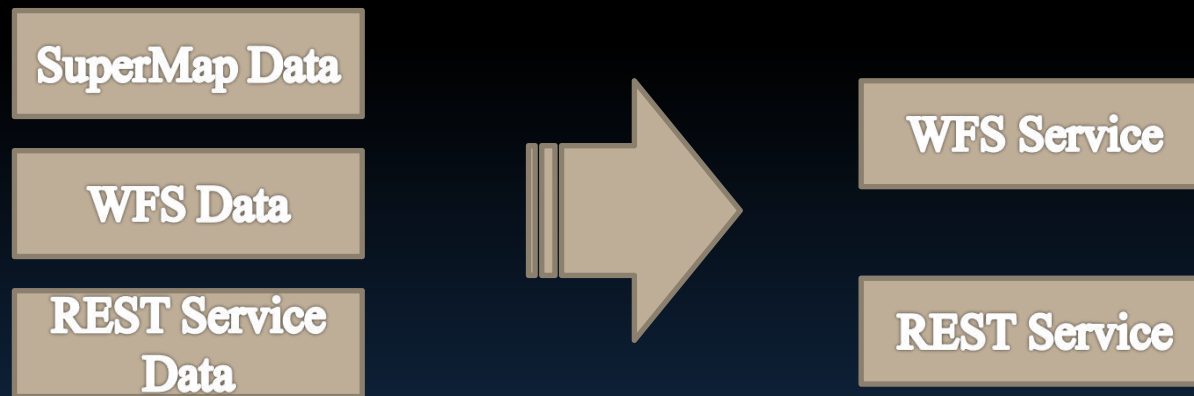
Service Aggregation Supported Types

- Map Service Aggregation



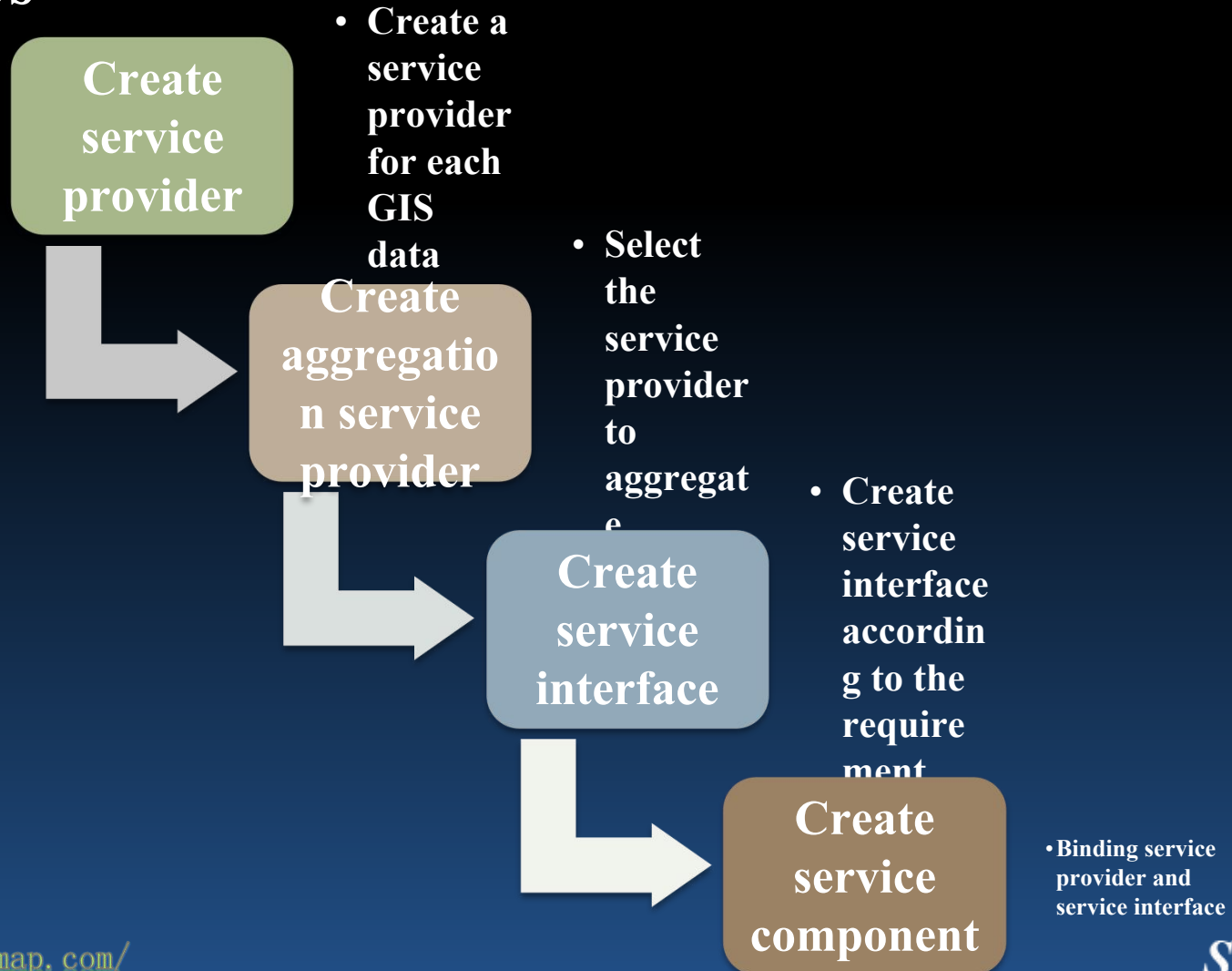
Service Aggregation Supported Types

- **Data Service Aggregation**



How to Create Aggregation Service

- Steps



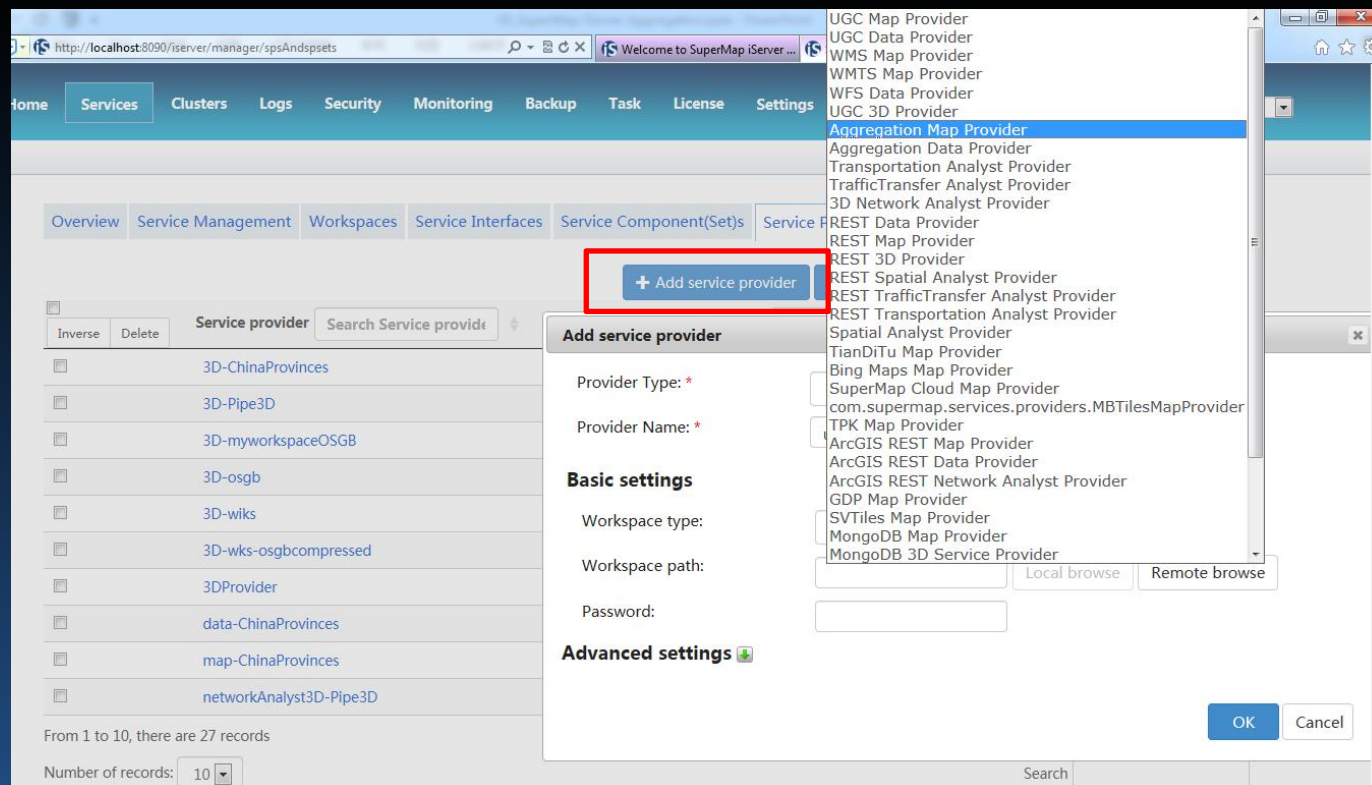
How to Create Aggregation Service

- 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-Changchun ugcMapProvider-World ugcMapProvider-temperature ugcMapProvider-testus	Add > Remove	ugcMapProvider-Jingjin ugcMapProvider-China400

Aggregation map name: *

Aggregation:

Aggregated maps:

(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	☐
ugcMapProvider-World	☐
ugcMapProvider-Changchun	☐
ugcMapProvider-Jingjin	☐
ugcMapProvider-temperature	☐
map-test	☐
ugcMapProvider-training	☐
ugcMapProvider-training2	☐
map-test2	☐
aggMapProvider-test	☐
map-Agentina	☐
aggMapProvider-New	☐
ugcMapProvider-TrainingTest	☐
aggMapProvider-TrainingTest	☐
map-Chart	☐
map-Jingjin	☐
map-Jingjin2	☐
map-Jingjin3	☐
map-Jingjin4	☐
ugcMapProvider-Test10	☐
ugcMapProviderSet	☐

Interface bound to component: *

Name of bound interface	Selected
wms111	☐
wms130	☐
wfs100	☐
rest	☐
wmts100	☐
wmts-china	☐
wcs111	☐
wcs112	☐

GeneralSetting

Enable caching: ☐ ☐

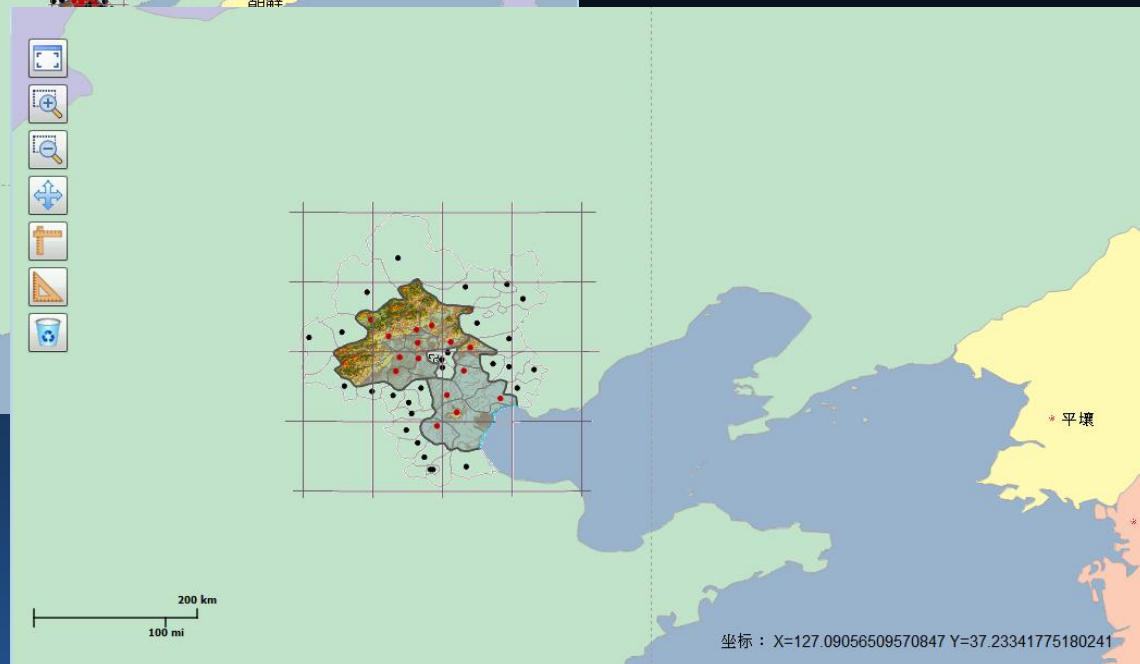
OK Cancel

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!

Website: www.supermap.com

Email: globalsupport@supermap.com

Skype: [supermapsupport](https://www.skype.com/en/contacts/skype/supermapsupport)

MSN: [globalsupport@supermap.com](https://www.msn.com/en-us/people/globalsupport@supermap.com)