

SuperMap iServer Service Management

SuperMap Software Co., Ltd.



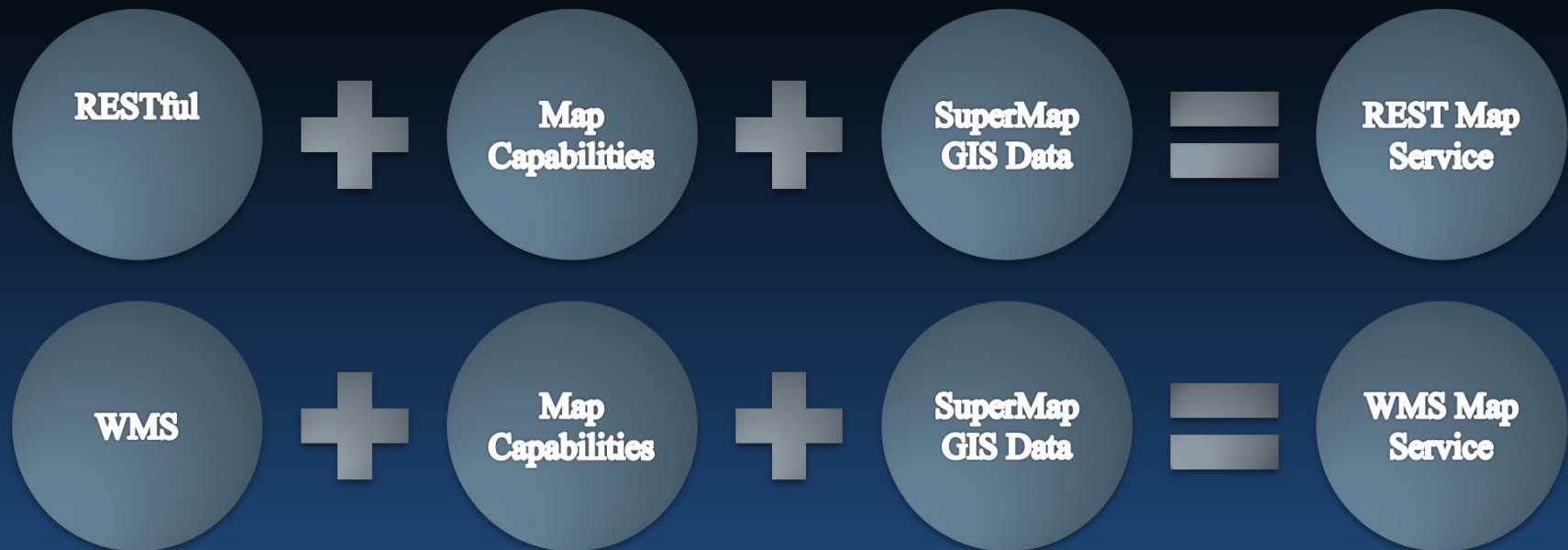
Main Contents

- **iServer Service Description**
- **iServer Service Management**
 - **Create iServer Service**
 - **Modify iServer Service**
 - **Delete iServer Service**
 - **Log Management**
 - **Security Configuration**
 - **Backup and Restore**
 - **License Information Query**
 - **Monitoring and Statistics**

Notice: The “iServer” mentioned in this document is SuperMap iServer except for other special explanation.

What are iServer Services?

- Services published through network
- Publish various sources of GIS data with GIS capabilities
- Publish through a network protocol or service standard



Default iServer Services

Map services

- Browse, zoom, pan
- Measure, query
- Thematic mapping

Spatial analysis services

- Geometry /dataset clip, erase, identify, intersect, union, update, XOR
- Buffer analysis, spatial relation analysis, linear referencing
- Extract isolines

Data services

- Query datasources, datasets
- Online dataset editing

Traffic transfer analysis services

- Traffic transfer analysis
- Bus stop query

Transport analysis services

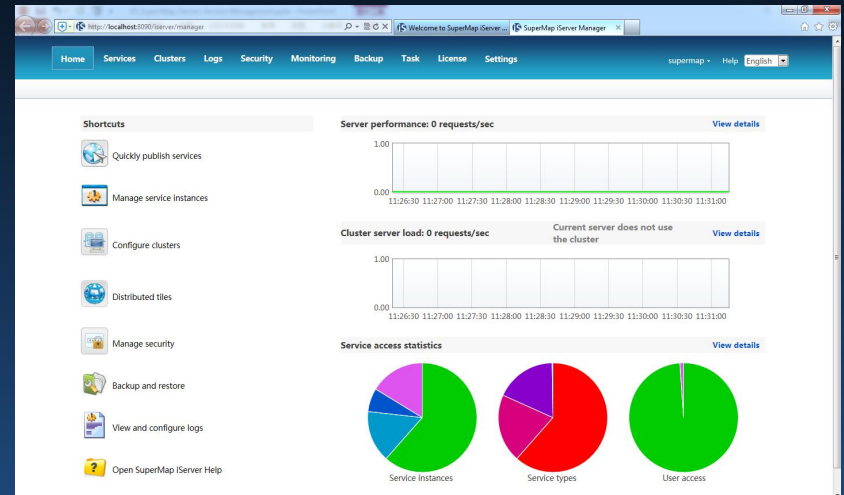
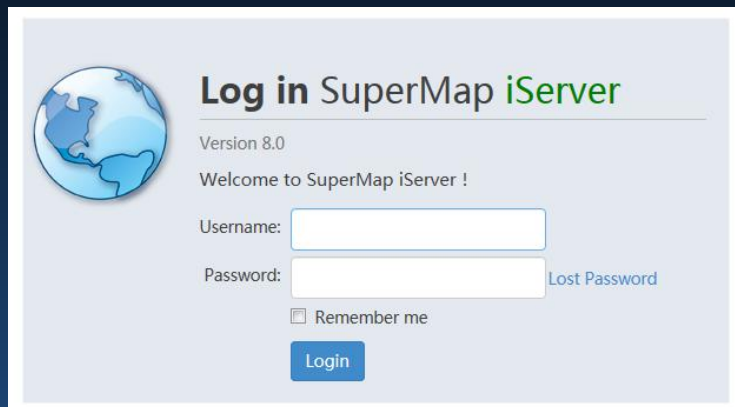
- Optimal path, TSP/MTSP
- Service area, location-allocation
- Closest facility

3D services

- 3D data publishing
- 3D scene publishing, browse and query 3D data with 3D plugin

iServer Service Management

- **Service Management Tool-SuperMap iServer Manager**
 - A Web based service management tool
 - Address: [http://\[server IP\]:8090/iserver/manager/](http://[server IP]:8090/iserver/manager/)
 - Security Control: User name and password



iServer Service Management

- **Service Management Tool-SuperMap iServer Manager**

- **Managing Contents:**

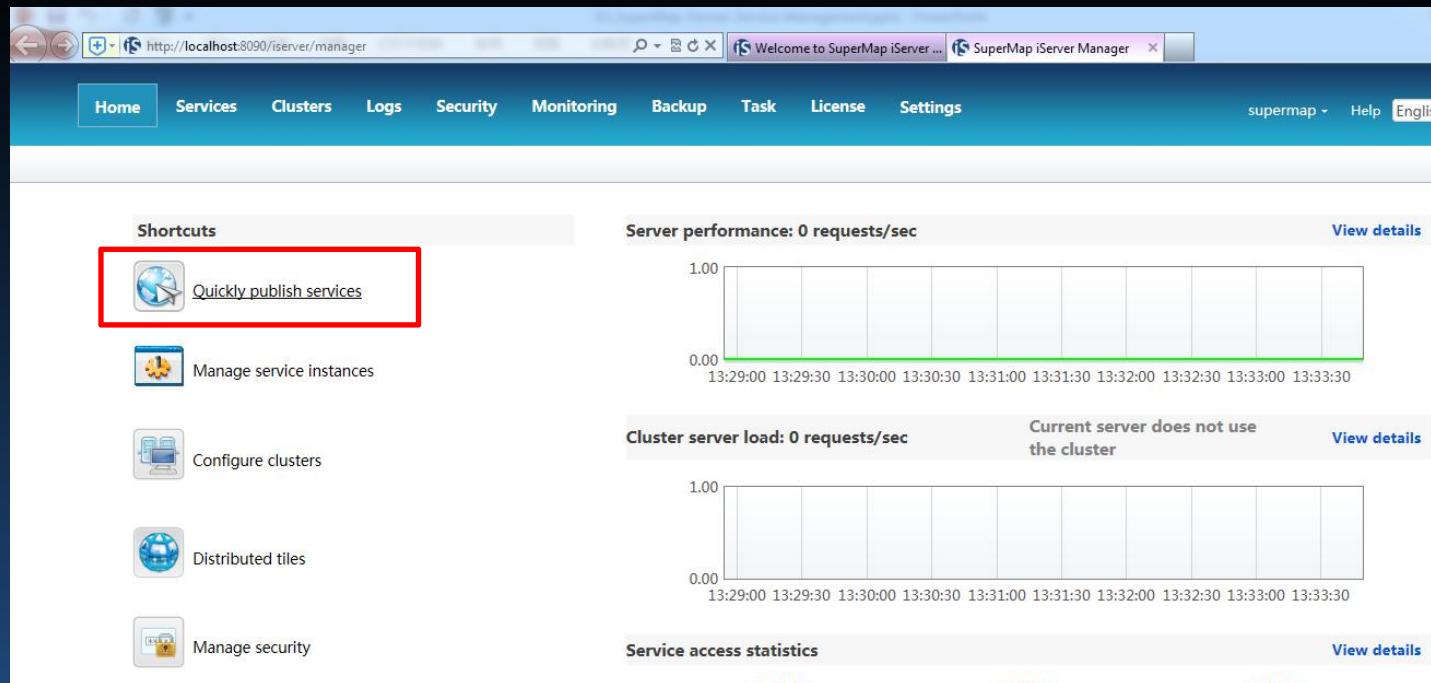
- **Create, delete, modify and query iServer services**
 - **Log browsing and management**
 - **Cluster management**
 - **Security settings of 3D data**
 - **Map pre-cache generating**
 - **License information browsing**
 - **Backup and restore**
 - **Distributed cache configuration**

Create iServer Service

- **Method 1: Publish services quickly**
 - SuperMap iServer Manager provides the wizard of creating service, which could easily create most of the iServer service types.
- **Method 2: Configure the service provider, service component and service interface**
 - Create services according to the iServer service structure

Publish iServer Service Quickly

- **Method 1: Home>>Quickly publish services**
- **Method 2: Services>>Overview>>Quickly publish service**



Steps of Publishing Service Quickly

- **Step1: Configure data**

The first screenshot shows a dialog box titled "Quickly publish services-Please select the data source". It contains a text box with the instruction "Data source can be workspaces or standard remote services." and a dropdown menu labeled "Data source:". The dropdown menu is open, showing a list of options: "Workspace" (highlighted), "SuperMap", "REST Map Service", "REST Data Service", "SuperMap Cloud Service", "SMTiles File", "SVTiles File", "UGCV5 Tiles", "MongoDB Tiles", "FastDFS Tiles", "OGC And Others Standard", "WFS Service", "WMS Service", "WMTS Service", "MBTiles File", "GeoPackage File", "Online Map Service", "BingMaps Service", "TianDiTu Service", "Baidu Map Service", "OpenStreetMap Service", "Others GIS Platform", "ArcGIS REST Map Service", "ArcGIS REST Data Service", "ArcGIS REST Network Analyst Service", and "TPK File".

The second screenshot shows a dialog box titled "Quickly publish service-Configure data". It contains the following fields and buttons:

- Workspace type:** A dropdown menu with "File Workspace" selected.
- Workspace path:** A text box containing "E:/training/test/test.smwu". To its right are two buttons: "Local browse" and "Remote browse".
- Password:** An empty text box.
- At the bottom right are three buttons: "Back", "Next", and "Cancel".

Steps of Publishing Service Quickly

- **Step2: Select the service type(service interface type)**

Quickly publish services-Please select the service type

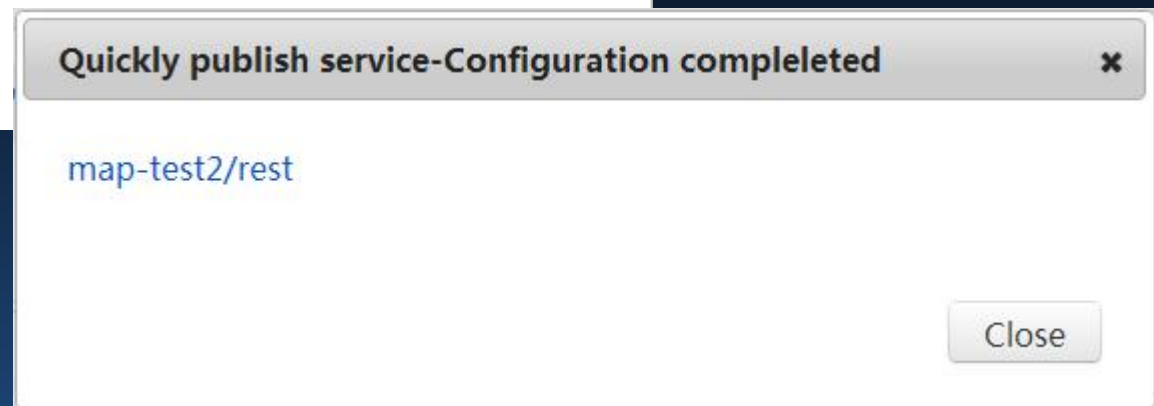
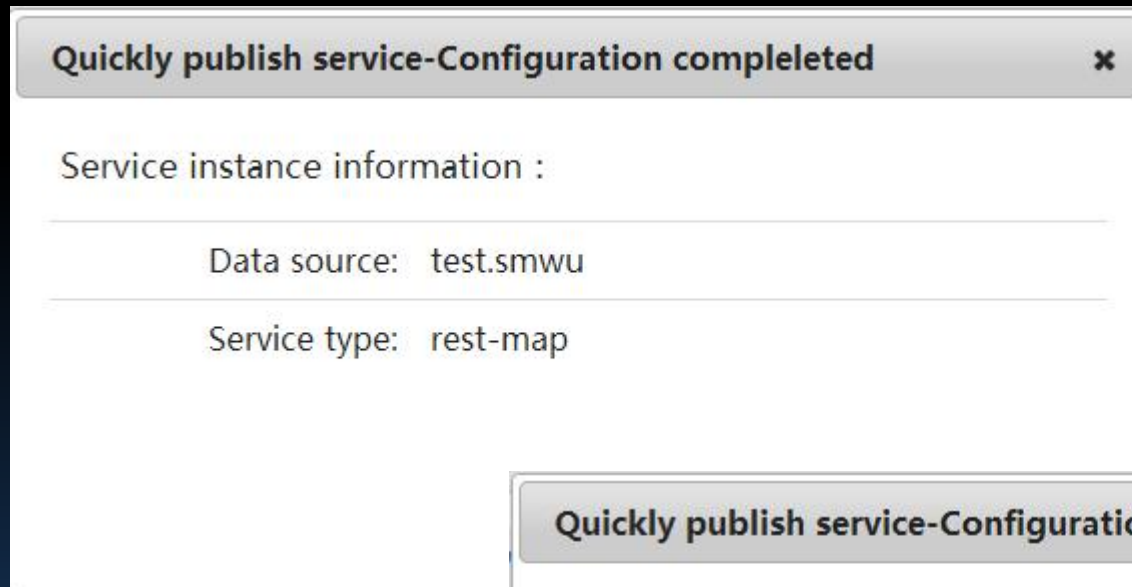
Service types supported by current data source (more than one can be selected).

☐	Select/Deselect	
☐	REST Map Service	▼
☐	REST Data Service	▼
☐	REST 3D Service	▼
☐	REST SpatialAnalyst Service	▼
☐	REST TransportationAnalyst Service	▼
☐	REST TrafficTransferAnalyst Service	▼
☐	REST-3D Network Analyst Service	▼
☐	WMS1.1.1 Service	▼
☐	WMS1.3.0 Service	▼
☐	WMTS1.0.0 Service	▼
☐	WMTS-China Service	▼
☐	WFS1.0.0 Service	▼
☐	WFS2.0.0 Service	▼
☐	WCS1.1.1 Service	▼
☐	WCS1.1.2 Service	▼
☐	WPS1.0.0 Service	▼

Back Next Cancel

Steps of Publishing Service Quickly

- **Step3: Configuration complete**



Browse iServer Services



resourceID Search Leon · Token Help English ▾

home

maps

Description:
Contains the list of all visible maps, the supported HTTP request methods, and the supported output formats. You can decide how the map list is represented according to your needs. Also, you can view maps with Flash, Flash3D, JavaScript, Silverlight, SuperMapCloud, or Tianditu.

Maps:

WorldMap_Day	View with iClient for Flash, for Flash3D, for JavaScript (with Vector Tile) , for Silverlight , SuperMapCloud.com , Tianditu.com
WorldMap	View with iClient for Flash, for Flash3D, for JavaScript Tianditu.com
WorldMap_Night	View with iClient for Flash, for Flash3D, for JavaScript Tianditu.com
World Map	View with iClient for Flash, for Flash3D, for JavaScript Tianditu.com
World	View with iClient for Flash, for Flash3D, for JavaScript Tianditu.com
ChangChunCityMap	View with iClient for Flash, for Flash3D, for JavaScript

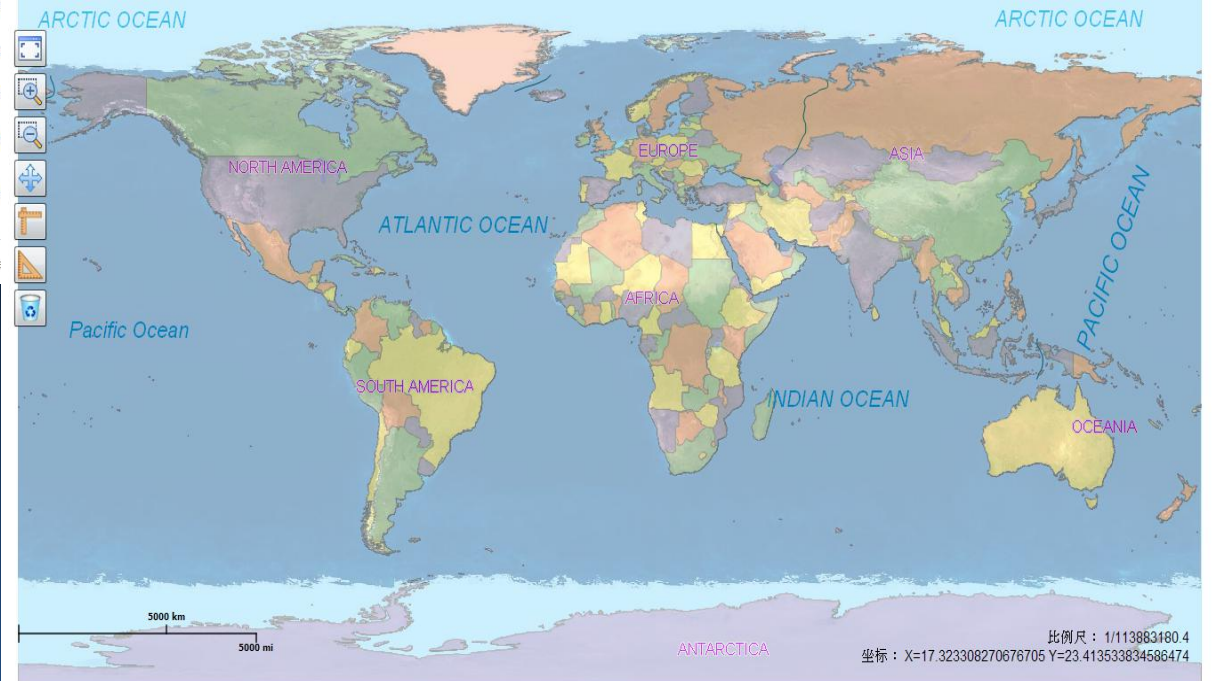
HTTP methods

- GET
- HEAD

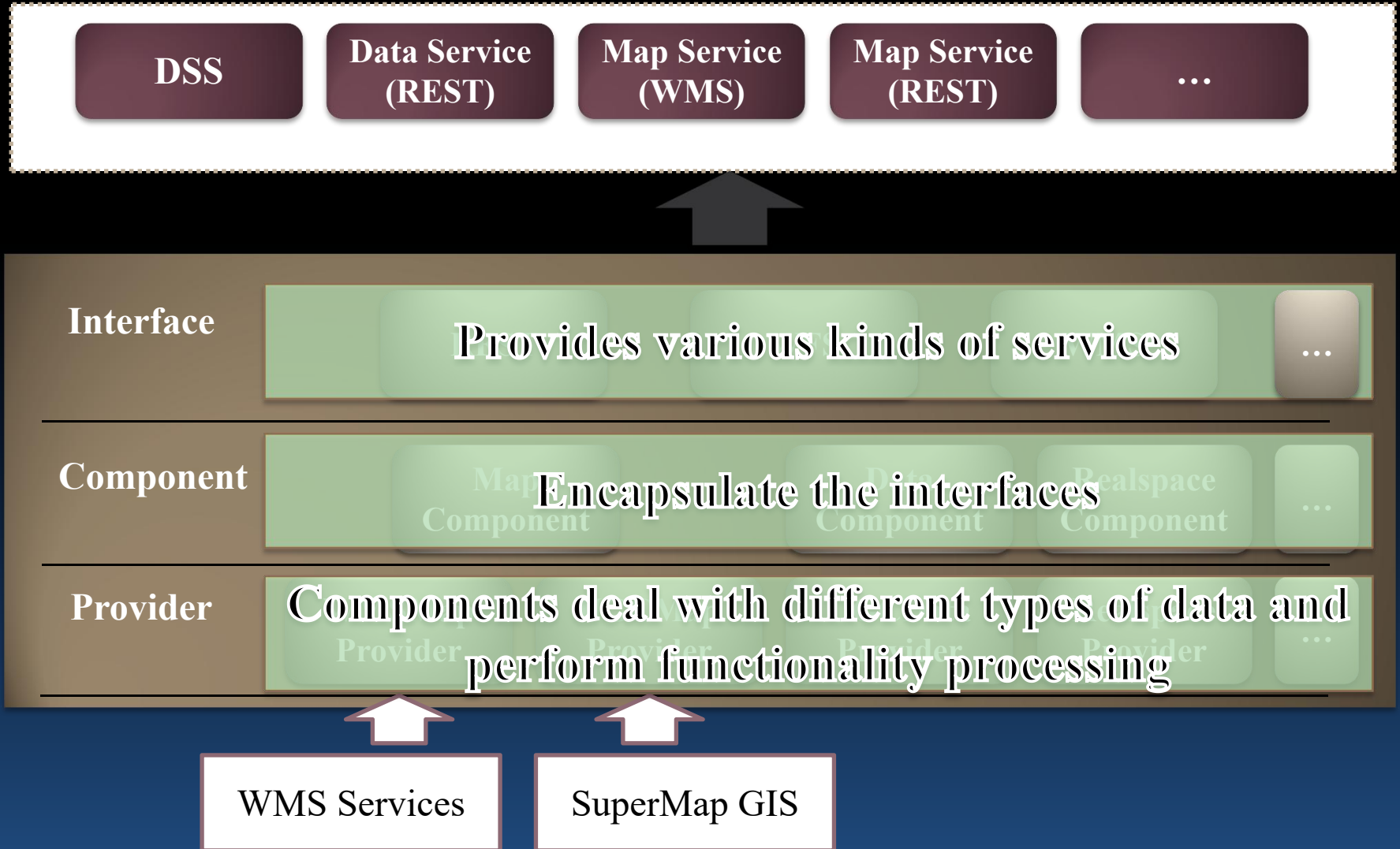
Output formats

- xml
- json
- rjson
- html

Powered by SuperMap iServer

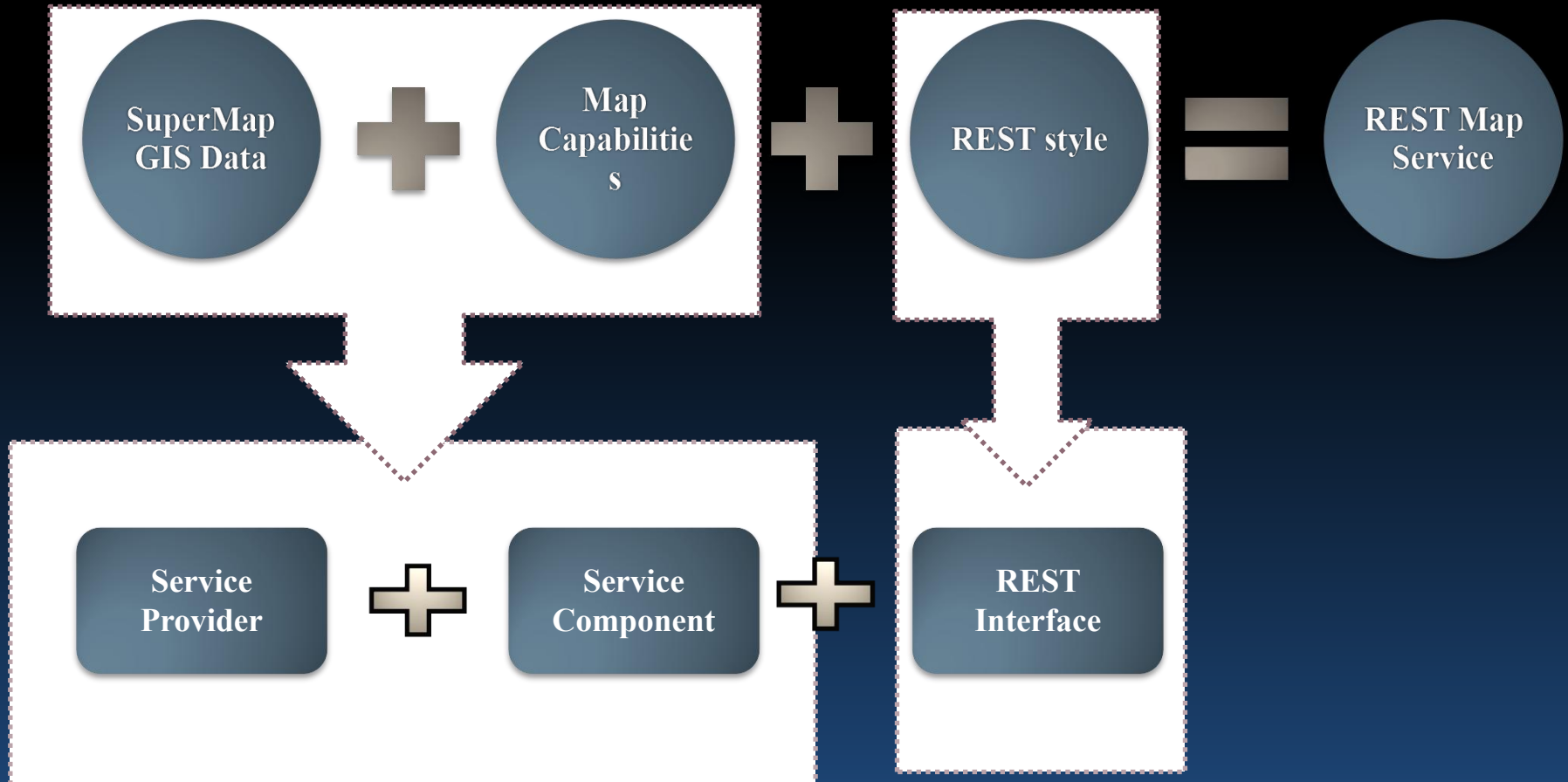


Service Structure



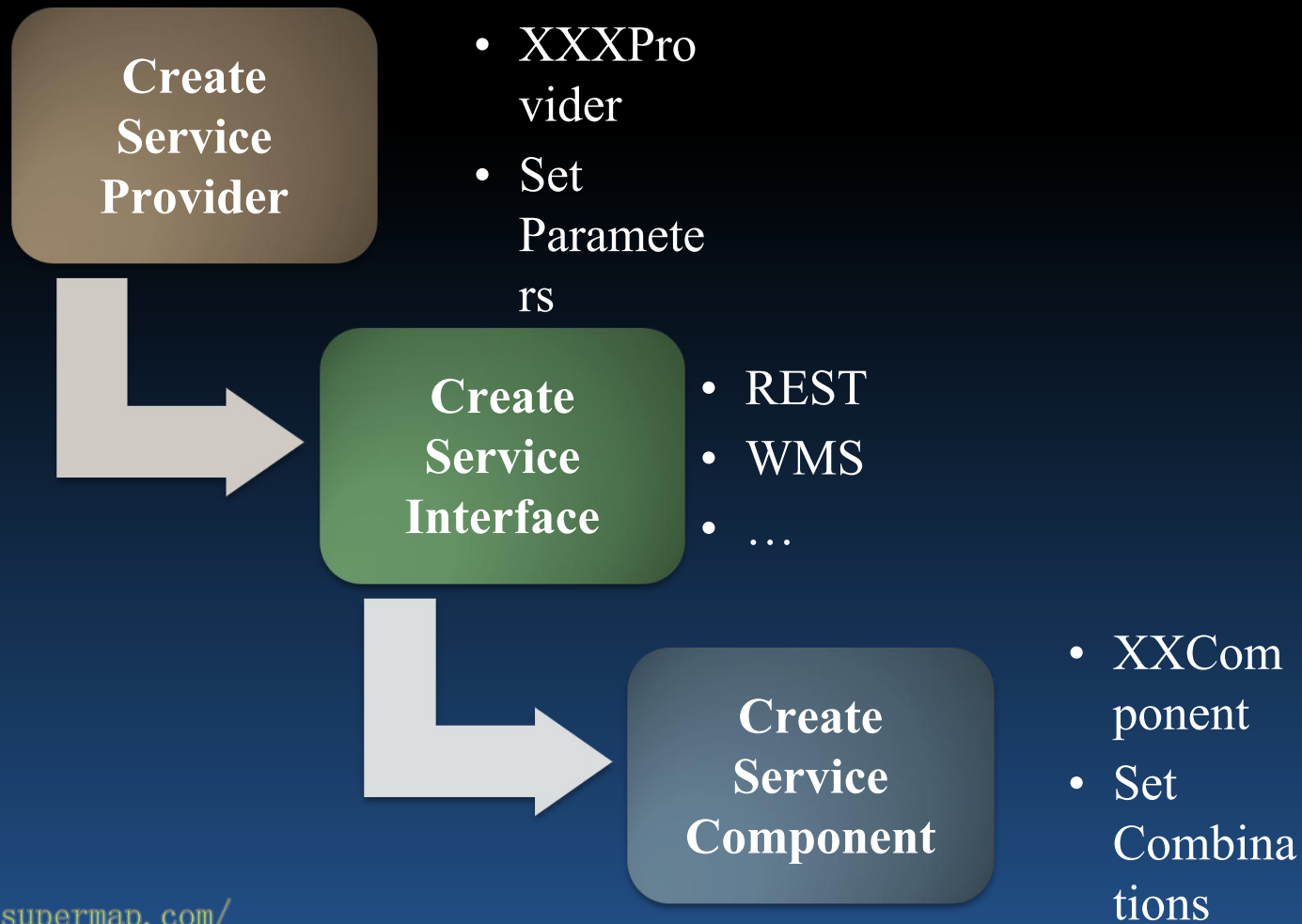
iServer Service Structure Analyze

- For example:



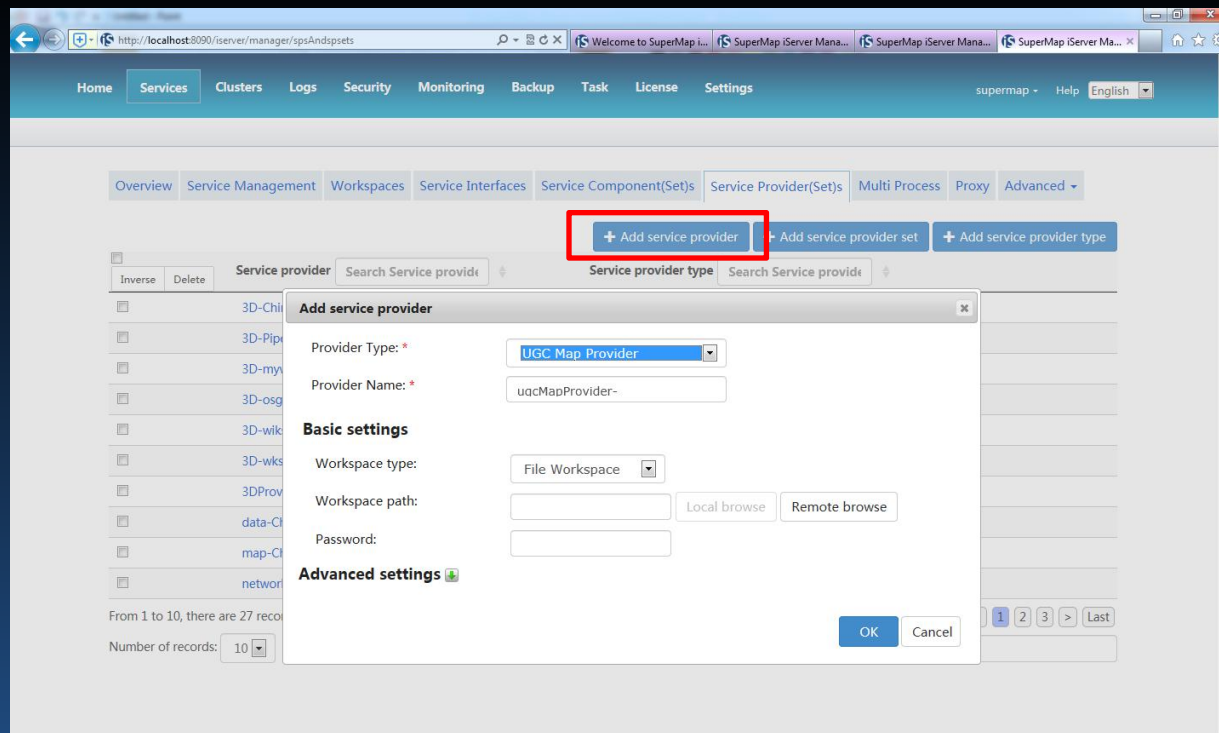
Steps of Publish Services

- **The Procedure:**



Step 1 Create Service Provider

- Select service type
- Specify data source
- Set other parameters



Service Provider Description

- Deal with different types of data and perform GIS capability encapsulation
- Types:
 - Map Service Provider
 - Data Service Provider
 - 3D Service Provider
 - Spatial Analysis Service Provider
 - Transportation Analysis Provider
 - Traffic Transfer Analysis Provider

Note: Users could customize their own service provider.

Service Providers

- Map service providers

Description	
UGCMapProvider	Get SuperMap data and provide map capabilities
RESTMapProvider	Handle REST GIS data and provide map capabilities
WMTSMapProvider	Handle WMTS data and provide map capabilities
WMSMapProvider	Handle WMS data and provide map capabilities
BingMapsMapProvider	Handle BingMaps GIS data and provide map capabilities
CloudMapProvider	Handle SuperMapCloud data and provide map capabilities
TiandituMapProvider	Handle Tianditu GIS data and provide map capabilities
AggregationMapProvider	Aggregates map capabilities for multiple sources of data
MBTilesMapProvider	Publish services using MBTiles files

Service Providers

- **Data service provider**

UGCDataProvider

Get SuperMap data and provide data capabilities

WFSDDataProvider

Handle WFS data and provide data capabilities

RESTDataProvider

Handle Remote REST data and provide data capabilities

AggregationDataProvider

Aggregates data capabilities for multiple sources of data

Description

Service Providers

- Others

UGCRealspaceProvider

Description
Get SuperMap data and provide 3D capabilities

UGCTransportationAnalystProvider

Get SuperMap data and provide transportation analysis capabilities

UGCSpatialAnalystProvider

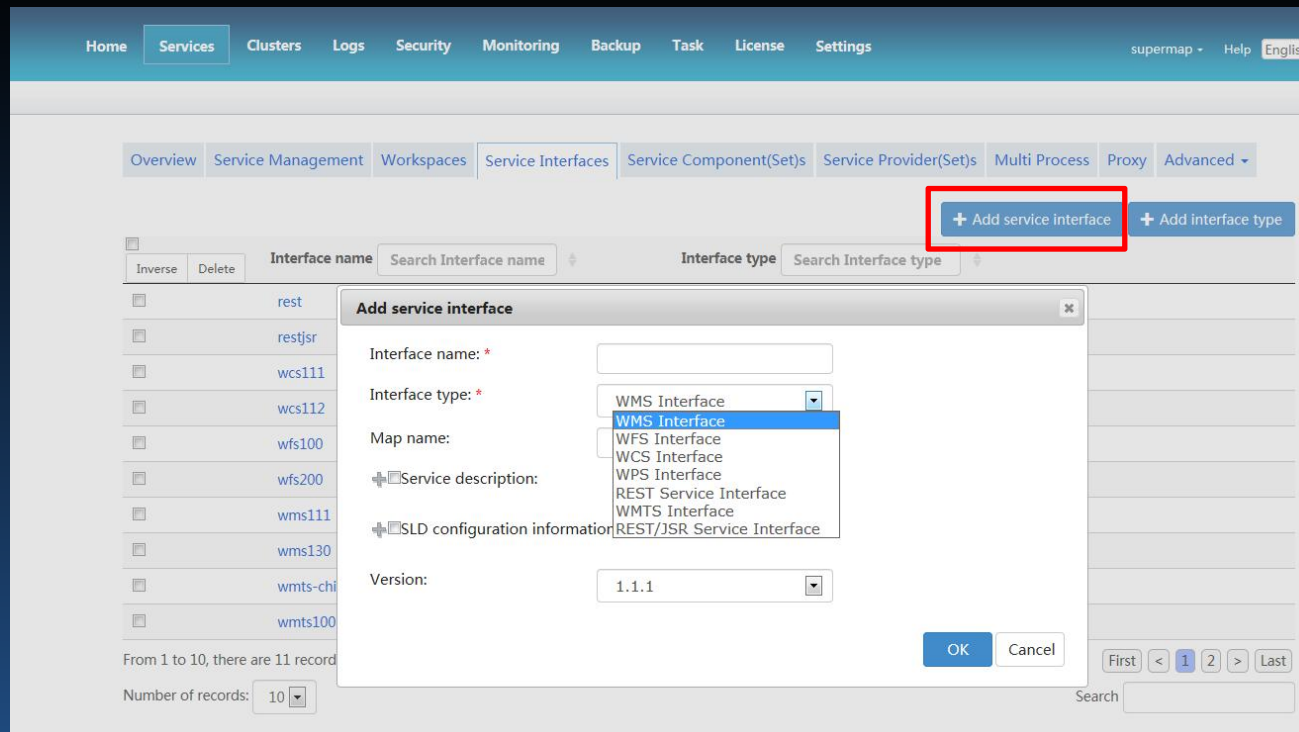
Get SuperMap data and provide spatial analysis capabilities

TrafficTransferAnalystProvider

Get SuperMap data and provide traffic transfer analysis capabilities

Step 2: Create Service Interface

- **Examine whether the service interface exists**
 - Yes. Next step
 - No. Create a new service interface



Service Interface Description

- **Publish the service components using different interfaces**
- **Default service interface types:**
 - REST
 - REST/JSR WMS
 - WFS
 - WPS
 - WCS
 - WMTS
 - Handler
- **Notice: users could customize their own service interface.**

Step 3: Create Service Component

- Select service type
- Set service provider to use
- Set interface to bind

Add service component

Service component name: *

Service component alias:

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-ChinaProvinces	☐
ugcMapProvider-testus	☐
ugcMapProviderSet	☐

Interface bound to component: *

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

GeneralSetting

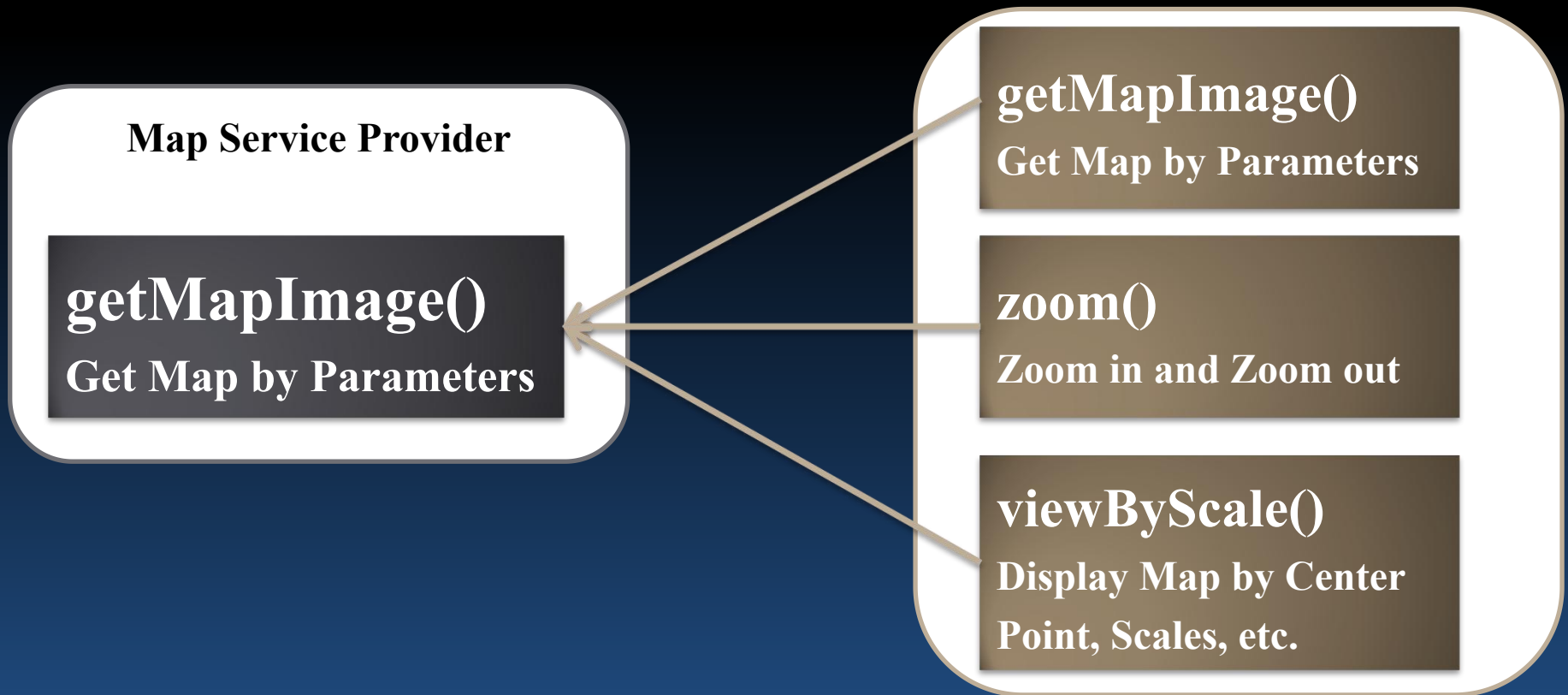
Enable map tile caching: ☐

Enable attribute tile caching: ☐

Enable vector tile caching: ☐

iServer Services - Service Components

- **Encapsulates GIS capabilities to components, which are easier to use**



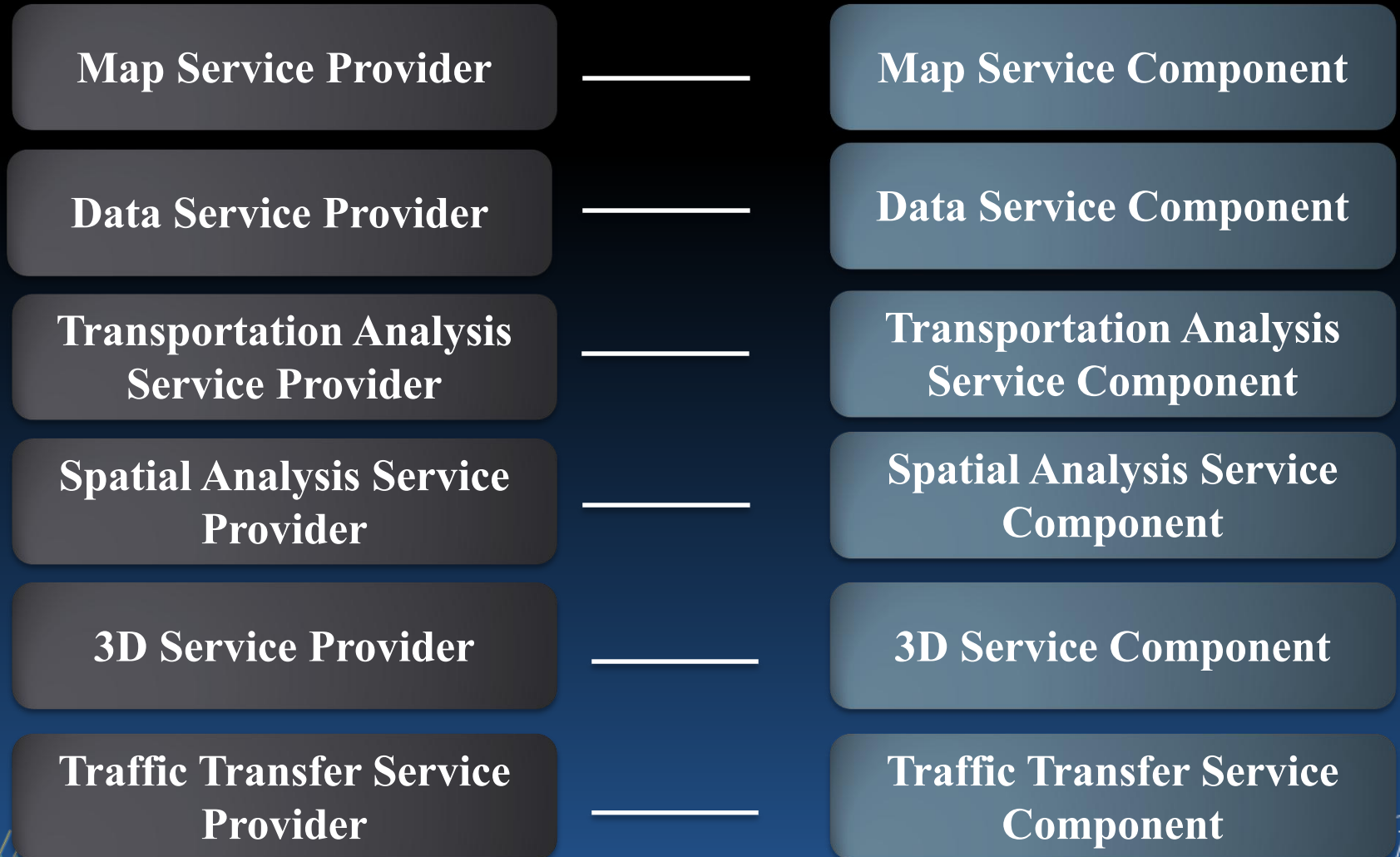
iServer Services - Service Components

- **Default types:**
 - **Map Service Component**
 - **Data Service Component**
 - **Transportation Analysis Service Component**
 - **Realspace Service Component**
 - **Spatial Analysis Service Component**
 - **Traffic Transfer Analysis Service Component**

Notice: users could customize their own service component.

iServer Services - Service Components

- **Correlation between Components and Service Provider**



iServer Services - Service Interfaces

Map

REST

WMS

WMTS

Data

REST

WFS(1.0.0)

Transportation Analysis

REST

Traffic Transfer Analysis

REST/JSR

Spatial Analysis

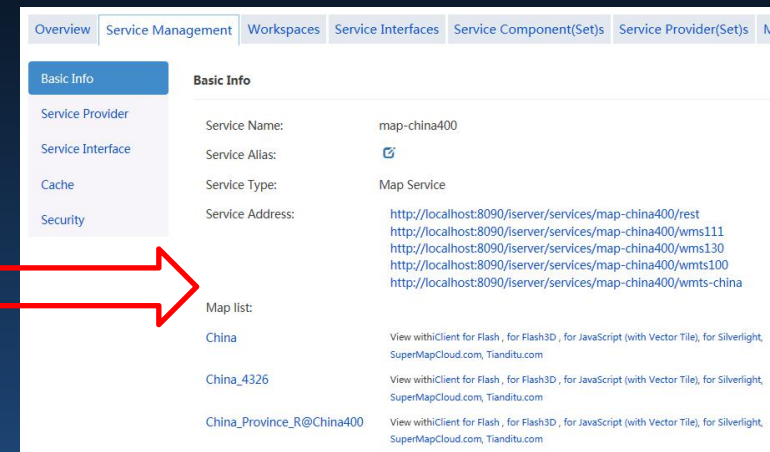
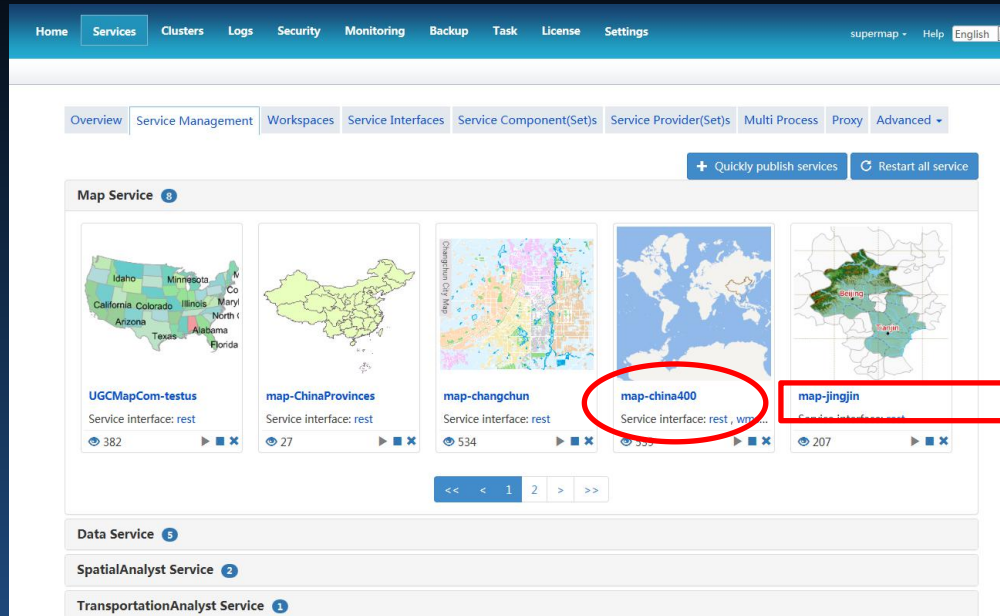
REST/JSR

3D

REST

Step 4: iServer Service Browsing

- iServer service instance naming rule
 - `http://<IP>:<PORT>/iserver/services/<service component name>/<service interface name>`
- Check configuration for service instance in SuperMap iServer Manager

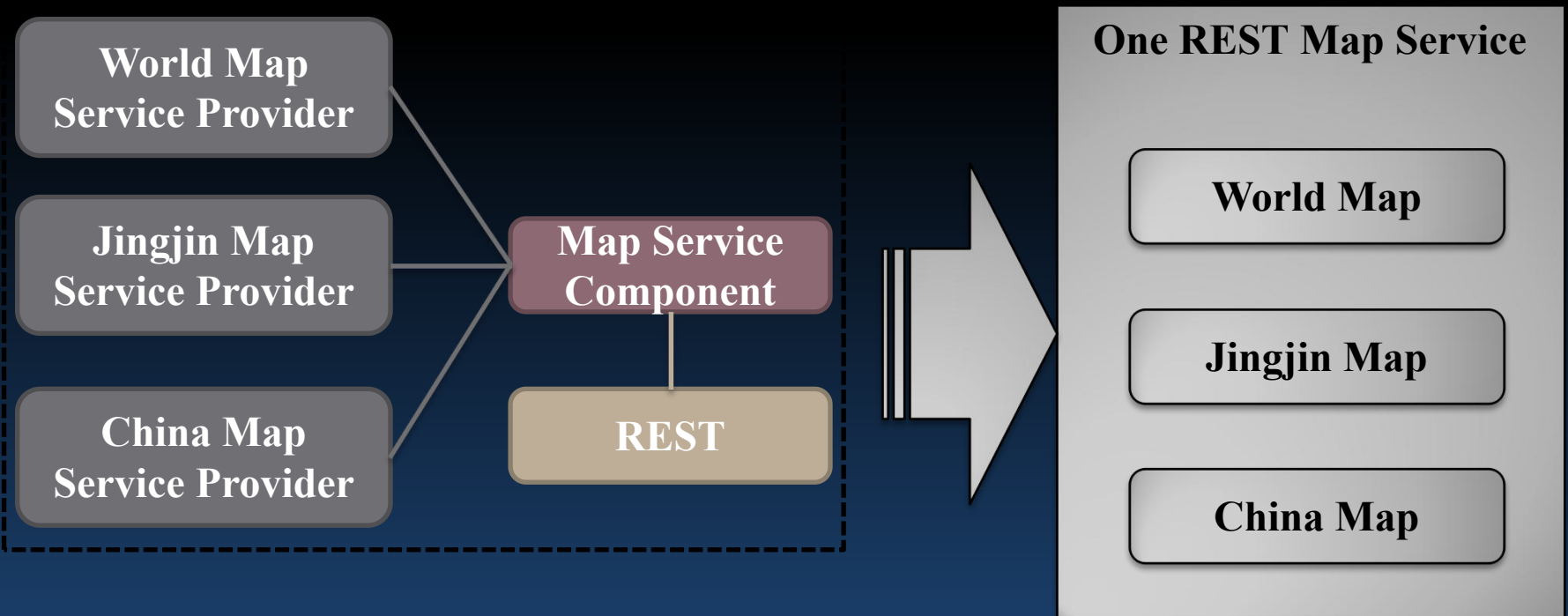


Practice

- **Publish a map WMS service by SuperMap data source**
 - **Data: world.smwu**

Supplementary Remarks

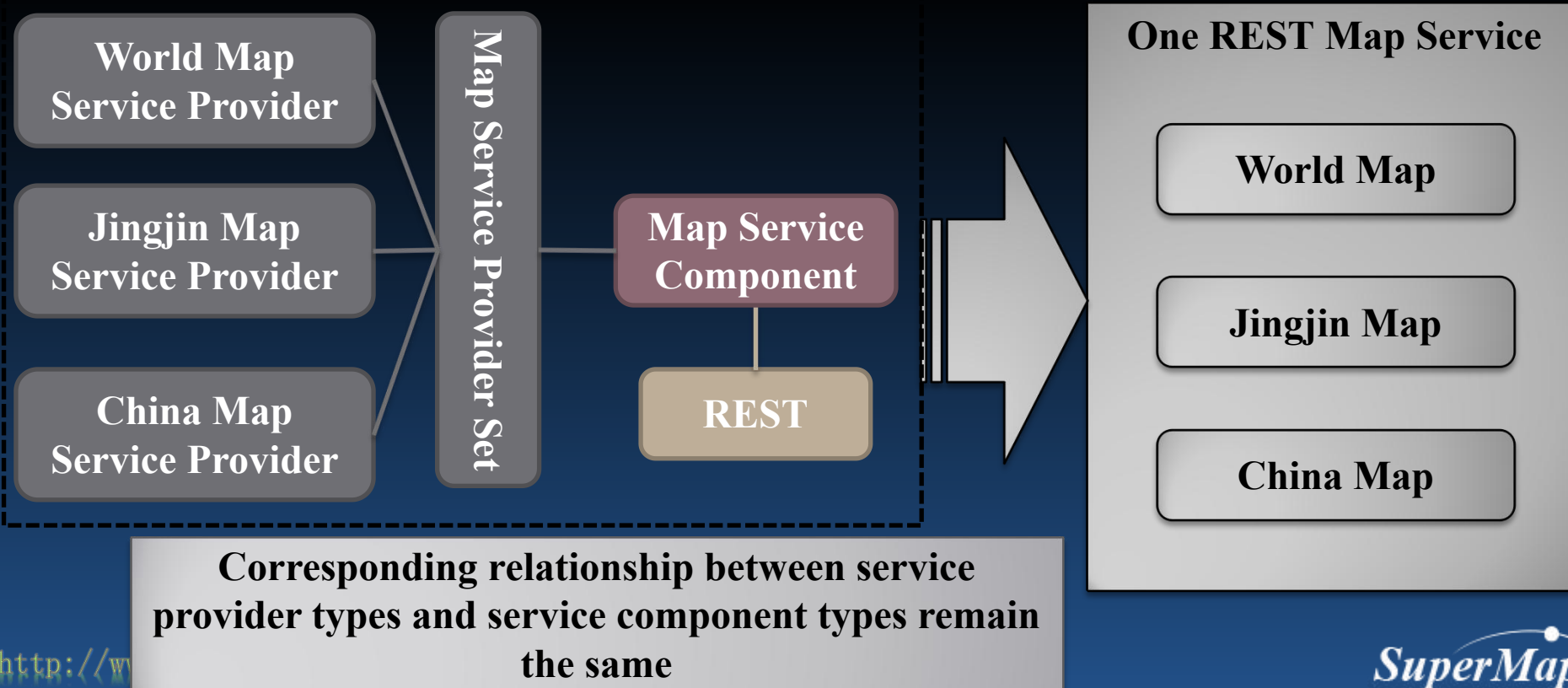
- **For one GIS service instance**
 - **Service provider : service component = N : 1**



Corresponding relationship between service provider types and service component types remain the same

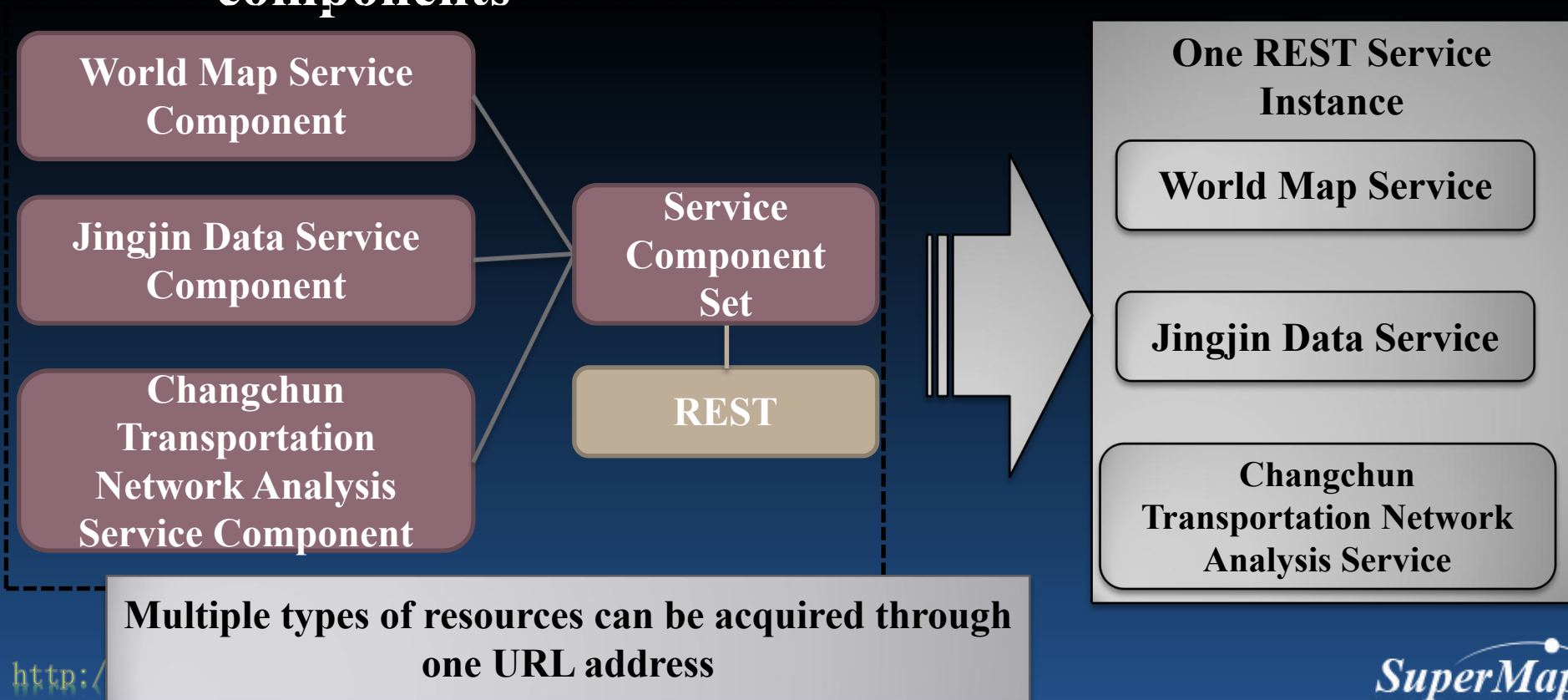
Supplementary Remarks

- **For one GIS service instance**
 - **Multiple service providers of the same type can compose one service provider set**



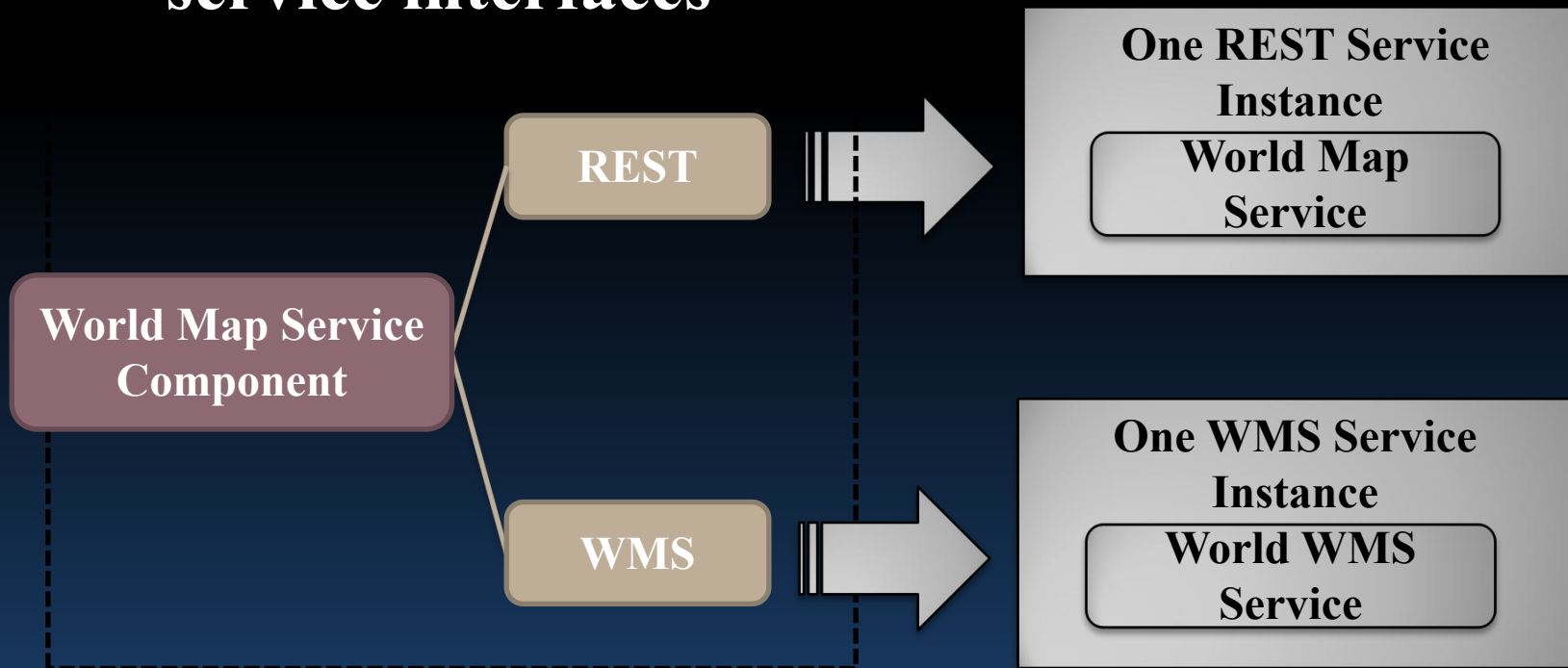
Supplementary Remarks

- **Multiple service components can compose one service component set**
 - **Service component set can contain multiple types of components**



Supplementary Remarks

- Service component can be bound to multiple service interfaces



Service compliant to multiple protocols or standards can be published

Modify Service

- **Methods**
 - 1. Find which service layer needs to be modified(Service component, Service provider, Service interface).
 - 2. Enter the diagram page to modify

Modify Service

- **Method 1**

- Enter the configuration page of corresponding layer

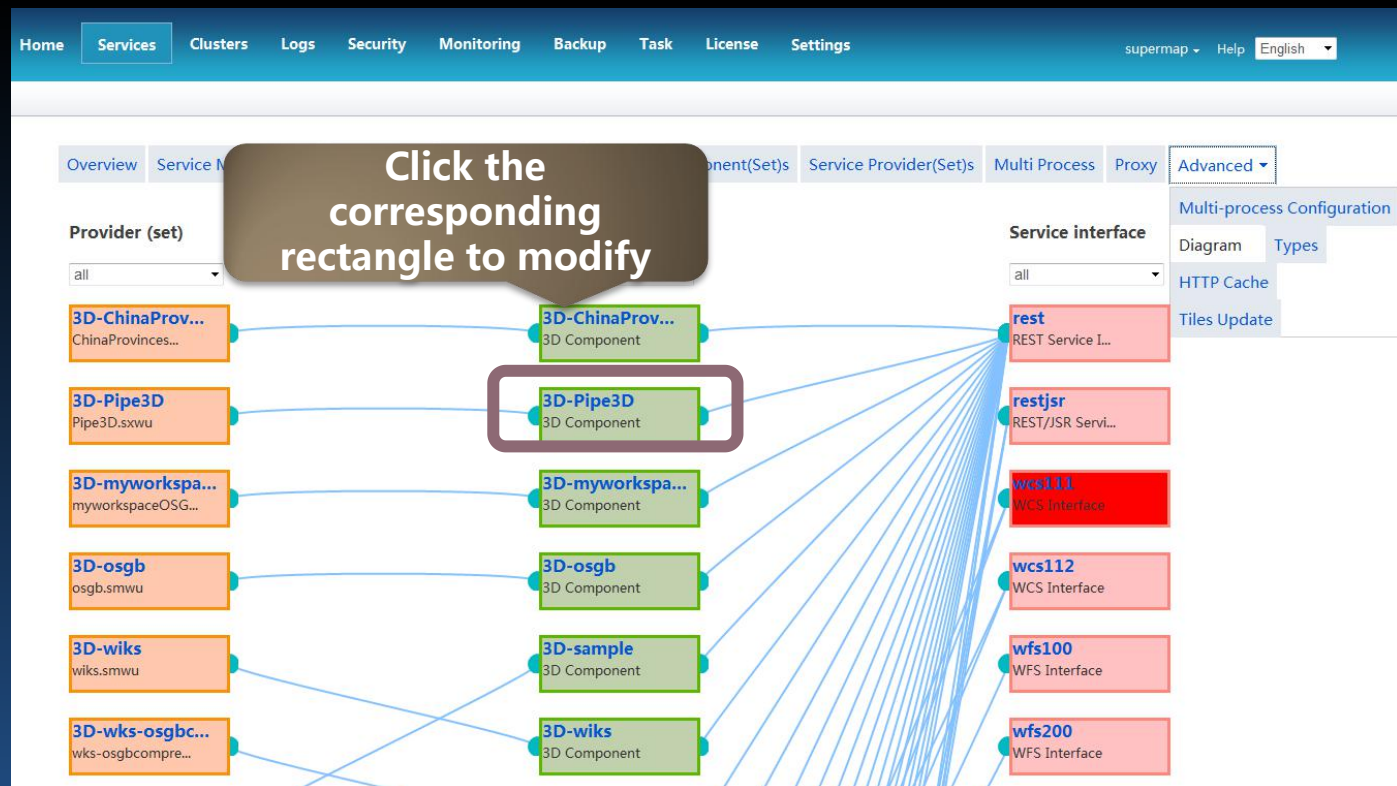
The screenshot displays the SuperMap web interface for modifying a service. The top navigation bar includes links for Home, Services, Clusters, Logs, Security, Monitoring, Backup, Task, License, and Settings. The 'Services' tab is active, and the 'Service Management' sub-tab is selected. The left sidebar shows a list of configuration options: Basic Info, Service Provider, Service Interface, Cache, and Security. The 'Basic Info' section is expanded, showing the following details:

- Service Name:** map-china400
- Service Alias:** [Icon]
- Service Type:** Map Service
- Service Address:**
 - http://localhost:8090/iserver/services/map-china400/rest
 - http://localhost:8090/iserver/services/map-china400/wms111
 - http://localhost:8090/iserver/services/map-china400/wms130
 - http://localhost:8090/iserver/services/map-china400/wmts100
 - http://localhost:8090/iserver/services/map-china400/wmts-china
- Map list:**
 - China: View withClient for Flash , for Flash3D , for ... SuperMapCloud.com, Tianditu.com
 - China_4326: View withClient for Flash , for Flash3D , for ... SuperMapCloud.com, Tianditu.com
 - China_Province_R@China400: View withClient for Flash , for Flash3D , for ... SuperMapCloud.com, Tianditu.com
- Service Provider:** ugcMapProvider-China400(UGC Map Provider)

A callout bubble with the text "Click 'Save' after modification" points to the 'Save' button, which is circled in red at the bottom right of the configuration area.

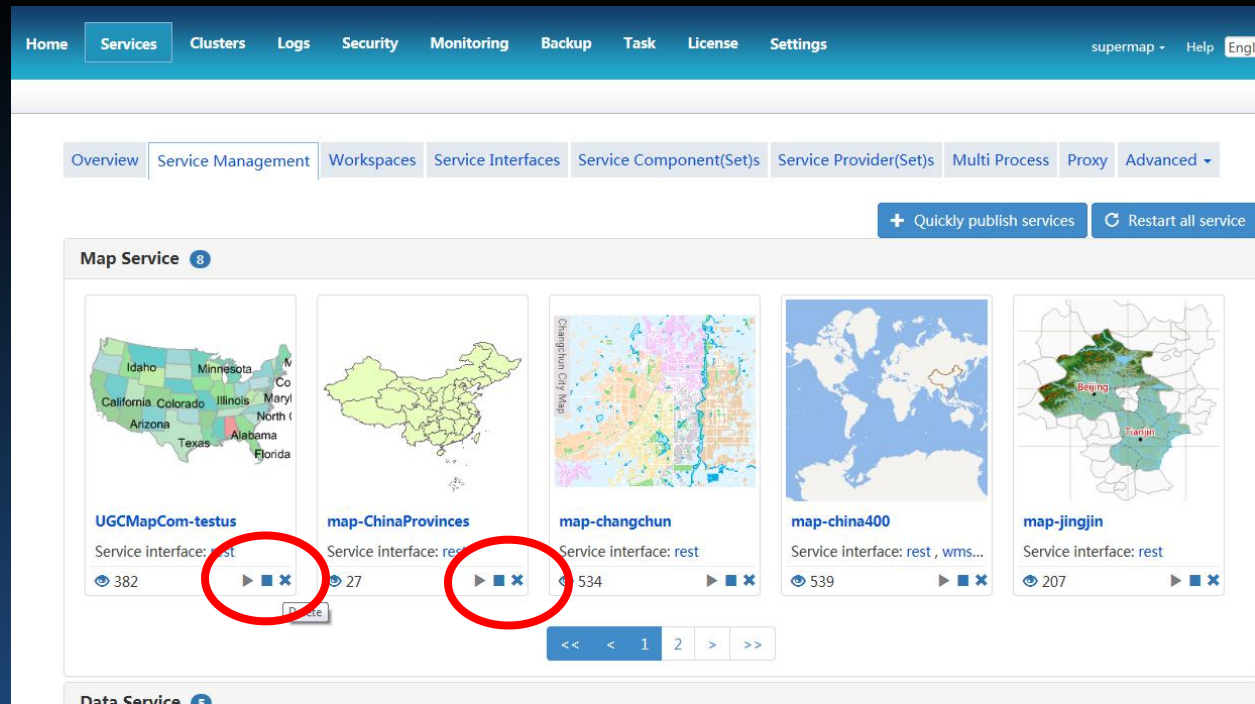
Modify Service

- **Method 2**
 - Enter the diagram to modify the services through super link



Delete Service

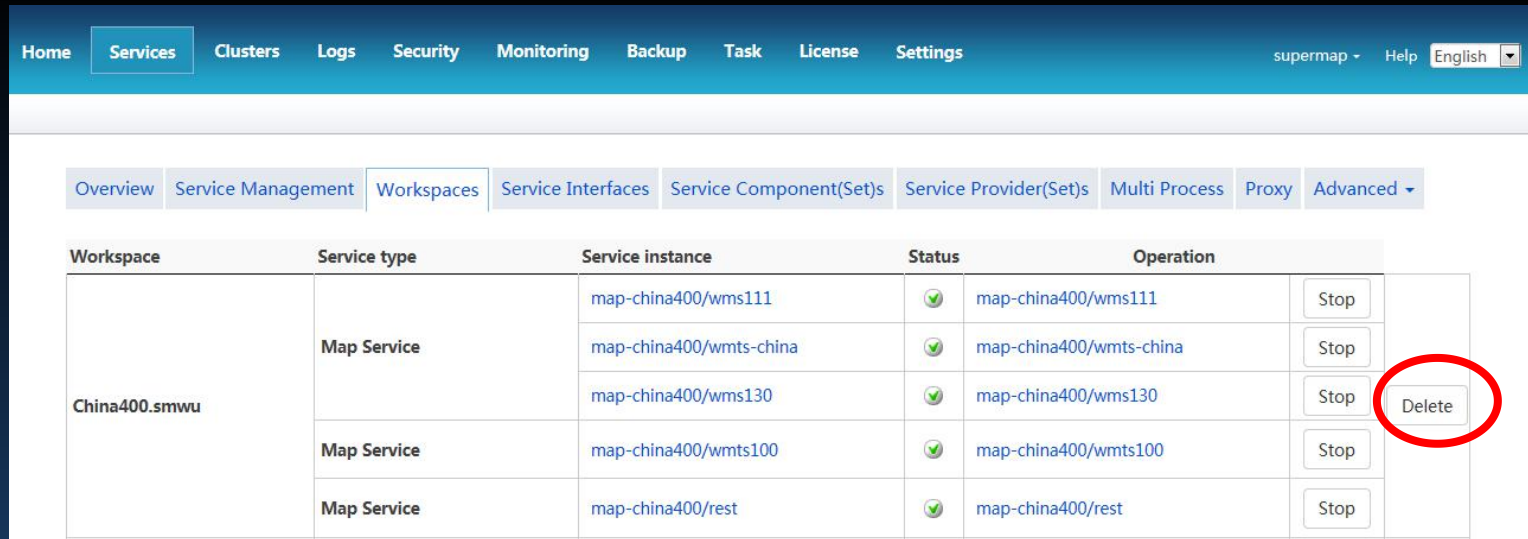
- **Method 1:**
 - Delete the service in the instance list and then delete the corresponding service component and provider



Notice: Make sure that the service component and provider to be deleted are not used by other service instances.

Delete Service

- **Method 2:**
 - Enter the workspace page, and delete the services which use the same workspace



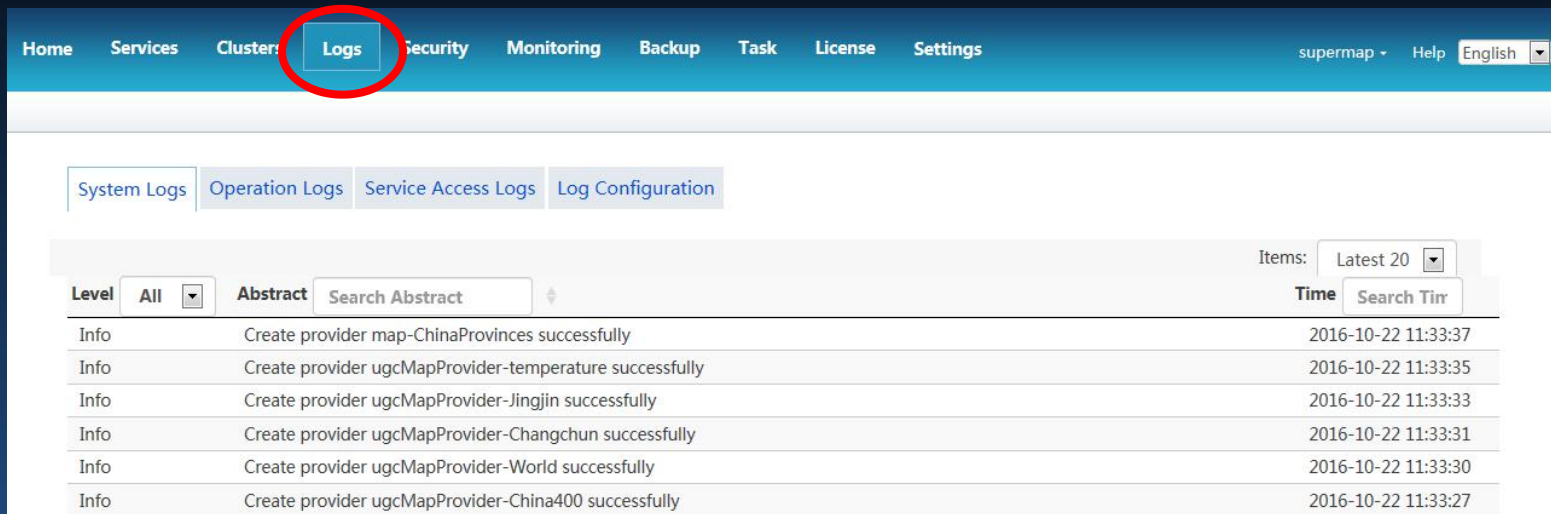
The screenshot shows the SuperMap web interface with the 'Services' menu selected. The 'Workspaces' tab is active, displaying a table of services. The table has columns for 'Workspace', 'Service type', 'Service instance', 'Status', and 'Operation'. The 'China400.smwu' workspace is selected, showing five services. The 'Delete' button is circled in red.

Workspace	Service type	Service instance	Status	Operation
China400.smwu	Map Service	map-china400/wms111	✓	map-china400/wms111 Stop
		map-china400/wmts-china	✓	map-china400/wmts-china Stop
		map-china400/wms130	✓	map-china400/wms130 Stop
	Map Service	map-china400/wmts100	✓	map-china400/wmts100 Stop
	Map Service	map-china400/rest	✓	map-china400/rest Stop

Notice: This method will delete all service providers and components which corresponds to that workspace, so please pay attention.

Log Management

- Browse logs
- Configure logs
 - Log file directory
 - Log file size
 - Output log level



The screenshot displays the SuperMap web interface's Log Management section. The 'Logs' menu item in the top navigation bar is highlighted with a red circle. Below the navigation bar, there are four tabs: 'System Logs', 'Operation Logs', 'Service Access Logs', and 'Log Configuration'. The 'System Logs' tab is selected. The main content area shows a table of logs with columns for 'Level', 'Abstract', and 'Time'. The table contains six rows of log entries, all with 'Info' level and 'Create provider' abstracts.

Level	Abstract	Time
Info	Create provider map-ChinaProvinces successfully	2016-10-22 11:33:37
Info	Create provider ugcMapProvider-temperature successfully	2016-10-22 11:33:35
Info	Create provider ugcMapProvider-Jingjin successfully	2016-10-22 11:33:33
Info	Create provider ugcMapProvider-Changchun successfully	2016-10-22 11:33:31
Info	Create provider ugcMapProvider-World successfully	2016-10-22 11:33:30
Info	Create provider ugcMapProvider-China400 successfully	2016-10-22 11:33:27

Security Management

- **Security of GIS service and service manager**
 - **Control the service accessing based on user identification and authority**
 - **Only the administrator account has the authority of publishing, editing and deleting the services**
- **3D Data Security**
 - **Set the 3D data password**

GIS Service Security Control

- **Control the GIS service accessing, which will determine which users could access the corresponding services.**



GIS Service Security Control

- **User and Role Management**
 - The relationship between role and user
 - One user could belong to multiple roles, one role could include multiple users.
 - The relationship between authority and role
 - The administrator could set authority to the specified role, users could only access the services as the specified role.

GIS Service Security Control

- User and role management
 - Role management—Add, Edit, Delete, Query

The screenshot displays the SuperMap GIS Service Security Control web application. The main navigation bar includes links for Home, Services, Clusters, Logs, Security, Monitoring, Backup, Task, License, Settings, Leon, Help, and a language dropdown set to English. Below this, a sub-navigation bar highlights 'Security Config', 'User Management', 'Role Management', 'CAS Configuration', and 'Realspace Security'. The 'Role Management' section is active, showing a table of roles with columns for checkboxes, 'Inverse', 'Delete', and 'Role Name'. The roles listed are ADMIN, Seeker, PUBLISHER, PORTAL_US, and USER. A message indicates 'From 1 to 5, there are 5 records' and a 'Number of records' dropdown is set to 10. An 'Add role' button is highlighted with a green box and an arrow. The 'Add role info' dialog box is open, featuring fields for 'Role name' (with a red error message 'The role name should not be null.'), 'Description', and 'Role type' (radio buttons for 'User' and 'Service administrator'). It also includes 'Select from' and 'Selected' lists with 'Add' and 'Remove' buttons. The dialog has 'OK' and 'Cancel' buttons at the bottom.

Home Services Clusters Logs Security Monitoring Backup Task License Settings Leon - Help English

Security Config User Management Role Management CAS Configuration Realspace Security

Role Name

ADMIN

Seeker

PUBLISHER

PORTAL_US

USER

From 1 to 5, there are 5 records

Number of records: 10

+ Add role

Add role info

Role name: * Role name The role name should not be null.

Description: Description

Role type: ☒ User ☐ Service administrator

Select from

Leon

Dean

Leon2

Add >

< Remove

Selected

OK Cancel

GIS Service Security Control

- User and role management
 - User management—Add, Edit, Delete, Query

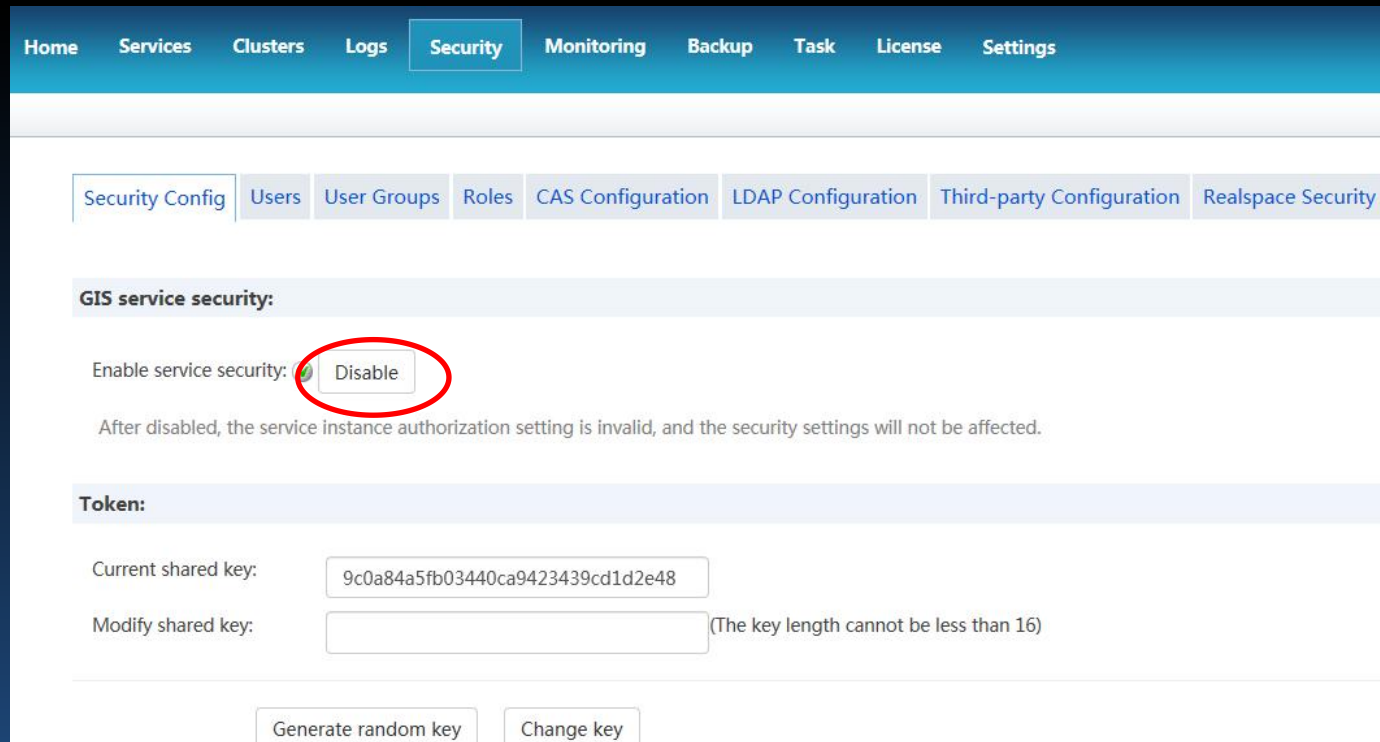
The screenshot displays the SuperMap GIS Service Security Control web interface. The main navigation bar includes links for Home, Services, Clusters, Logs, Security (active), Monitoring, Backup, Task, License, and Settings. The user is logged in as 'Leon' and the language is set to 'English'. The 'Security Config' tab is active, showing a list of users: Leon, Dean, and Leon2. A red circle highlights the '+ Add user' button in the top right corner of the interface. A modal dialog box titled 'Add user' is open in the center, containing the following fields and controls:

- User name: * (text input)
- Password: * (password input)
- Confirm password: * (password input)
- Description: (text input)
- Select from: A list box containing ADMIN, Seeker, PUBLISHER, and PORTAL_USER.
- Selected: A list box containing USER.
- Buttons: Add > and < Remove.
- Buttons: OK and Cancel.

Below the user list, it states 'From 1 to 3, there are 3 records' and 'Number of records: 10'.

GIS Service Security Control

- Authorize the GIS service accessing
 - Step 1: Start service security control



Home Services Clusters Logs **Security** Monitoring Backup Task License Settings

Security Config Users User Groups Roles CAS Configuration LDAP Configuration Third-party Configuration Realspace Security

GIS service security:

Enable service security:  **Disable**

After disabled, the service instance authorization setting is invalid, and the security settings will not be affected.

Token:

Current shared key:

Modify shared key: (The key length cannot be less than 16)

GIS Service Security Control

- **Authorize GIS service accessing**
 - **Step 2: Authorize and set the management authority to services**

The screenshot shows the 'Cache' and 'Security' settings for a GIS service. The 'Cache' section includes options to enable map tile caches, attribute tile caches, and vector tile caches, with dropdowns for Cache Type (UGC), Cache Version (4.0), and Preferred PNG Cache Type (PNG). The 'Security' section includes a table of services with a 'Volume Authorization' column.

Service	Volume Authorization
map-china400/wms111	
map-china400/wmts-china	
map-china400/wms130	
map-china400/wmts100	
map-china400/rest	

The 'Authorize' dialog box shows the 'Service Examplemap-china400/wms111Right setting:' with options for 'Anonymous users can access' and 'Specified users can access'. The 'Specified users can access' option is selected. Below, there is a list of roles to be selected: ADMIN, UNAUTHORIZED, PUBLISHER, NOPASSWORD, and PORTAL_USER. A 'Selected role:' field is also present. The dialog includes 'Add', 'Remove', 'OK', and 'Cancel' buttons.

GIS Service Security Control

- **Control the GIS service security by Token**
 - **Advantage: Avoid disclosing users' account when accessing the authorized service**
 - **Premise: The GIS service has been authorized**
 - **Token has the using time limit**

GIS Service Security Control

- **Control GIS service security by Token**
 - **Step 1: Set the shared key**
 - Length: 16 characters
 - Random key is advised
 - All previous key will expire if the key is modified
 - Modify the shared key in a regular time

The screenshot displays the 'GIS service security' configuration page. At the top, there is a navigation bar with tabs: 'Security Config', 'Users', 'User Groups', 'Roles', 'CAS Configuration', 'LDAP Configuration', 'Third-party Configuration', and 'Realspace Security'. The 'Security Config' tab is active. Below the navigation bar, the 'GIS service security' section is shown. It includes a toggle for 'Enable service security' which is currently set to 'Disable' (indicated by a green checkmark). A note below the toggle states: 'After disabled, the service instance authorization setting is invalid, and the security settings will not be affected.' The 'Token' section is highlighted with a red border. It contains two input fields: 'Current shared key' with the value '9c0a84a5fb03440ca9423439cd1d2e48' and 'Modify shared key' with the value '9d3daa447f294eb28d274f001388e412'. A note next to the 'Modify shared key' field states: '(The key length cannot be less than 16)'. At the bottom of the 'Token' section, there are two buttons: 'Generate random key' and 'Change key'.

Security Config Users User Groups Roles CAS Configuration LDAP Configuration Third-party Configuration Realspace Security

GIS service security:

Enable service security: ☒ Disable

After disabled, the service instance authorization setting is invalid, and the security settings will not be affected.

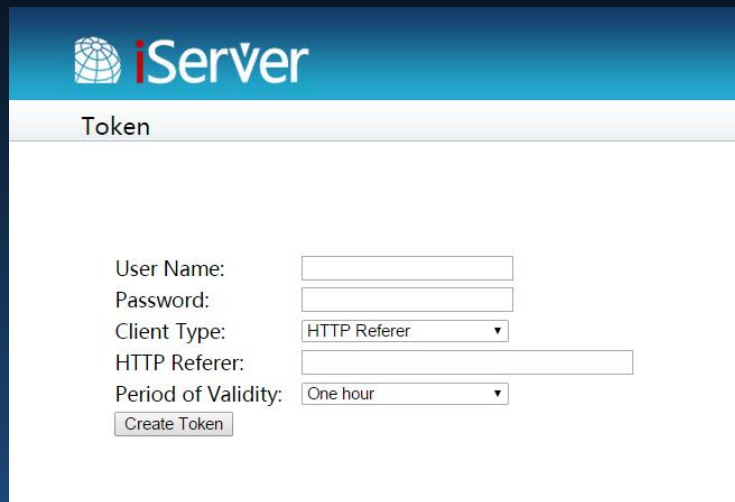
Token:

Current shared key:

Modify shared key: (The key length cannot be less than 16)

GIS Service Security Control

- **Control service security by Token**
 - **Step 2: Generate Token key**
 - Apply address:
 - **`http://[IP]:8090/iserver/services/security/tokens`**
 - **Way of delivering key:**



The screenshot shows the 'Token' page of the iServer application. It features a header with the 'iServer' logo. Below the header, there are input fields for 'User Name:', 'Password:', 'Client Type:' (a dropdown menu currently showing 'HTTP Referer'), 'HTTP Referer:', and 'Period of Validity:' (a dropdown menu currently showing 'One hour'). A 'Create Token' button is located at the bottom left of the form area.

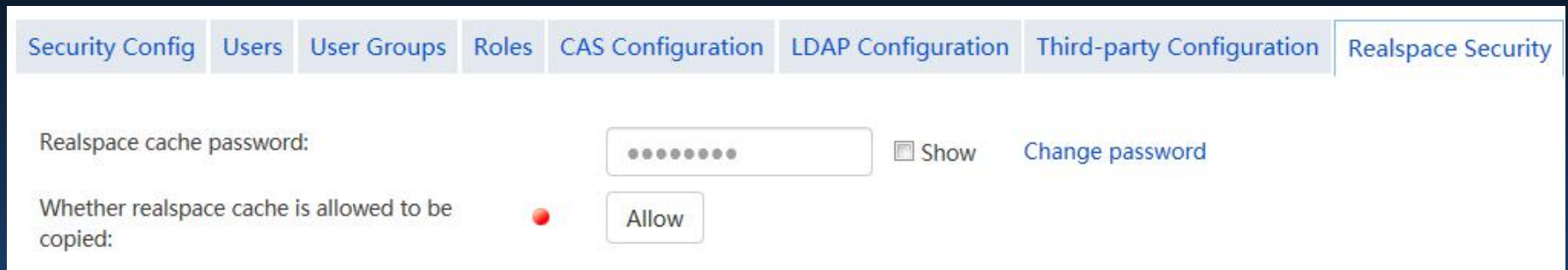
HTTP Referer	The Token URL
Client IP	The indicated used IP address of Token
The current requested IP	Indicate the current requested IP address which is sending the requests as the Token IP address

Service Manager Accessing Control

- **Service Manager Accessing Control**
 - Only the administrator can access the service manager to add, edit or delete the GIS services
- **User and role management**
 - The same as which in GIS service security control

3D Data Security

- **To protect the 3D data security downloaded on the client side**
 - **If the users want to view the 3D cache on the client side, password verification is required**



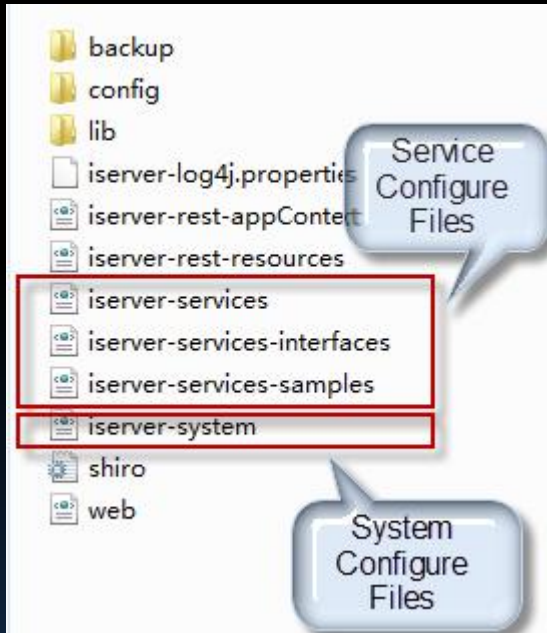
The screenshot shows a web interface for configuring security settings. At the top, there is a horizontal menu with tabs: Security Config, Users, User Groups, Roles, CAS Configuration, LDAP Configuration, Third-party Configuration, and Realspace Security. The 'Realspace Security' tab is currently selected. Below the menu, the 'Realspace cache password:' field is shown with a password input box containing ten dots. To the right of the input box are two links: 'Show' (with a small square icon) and 'Change password'. Below this, the 'Whether realspace cache is allowed to be copied:' section features a red circular indicator and an 'Allow' button.

Security Config	Users	User Groups	Roles	CAS Configuration	LDAP Configuration	Third-party Configuration	Realspace Security
Realspace cache password: •••••••••• Show Change password Whether realspace cache is allowed to be copied: ● Allow							

Backup and Restore

- **How to save the configuration information of iServer?**
 - Save as the configuration file
 - Location: [installation directory]\webapps\iserver\WEB-INF\
 - Visualized management and configuration by SuperMap iServer Manager
- **Backup the configuration file of iServer services**
 - Saved at [Installation directory]\webapps\iserver\WEB-INF\backup

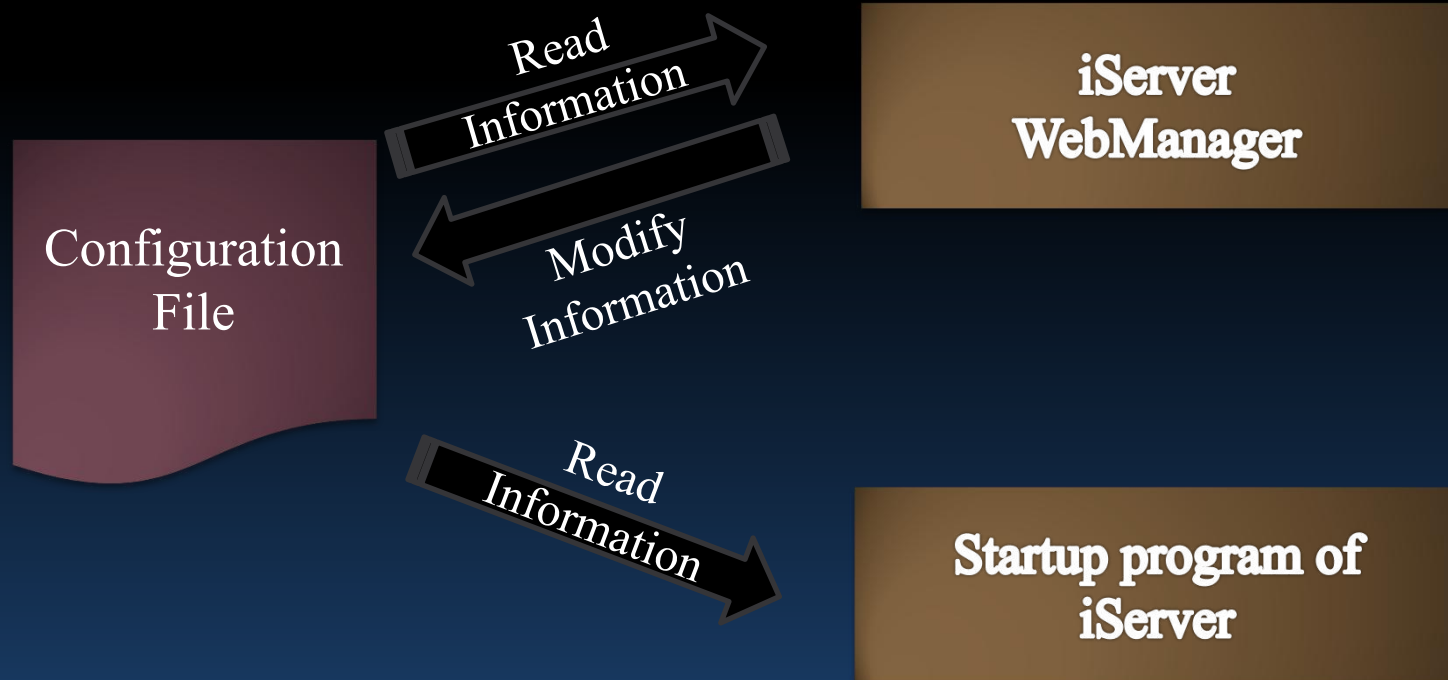
Backup and Restore—Configuration Files



File Name	Description
iserver-log4j.properties	The configuration file of logs.
iserver-preCacheConfig.xml	Pre-cache configuration, generated automatically when using pre-cache service.
kmlStyles.xml	Store the KML displaying style set by the users.
iserver-rest-appContext.xml	REST application configuration file.
iserver-rest-resources.xml	The configuration file of extensive resources, users could define the resource name, URI, type, etc.
iserver-services-interfaces.xml	Service interface instances, including the interface instances used in iserver-services-samples.xml and iserver-services-user.xml
iserver-services-samples.xml	The configuration file for the sample services.
iserver-services.xml	The configuration file of service published by users. The server could recognize this file if the file starts with "iserver-services", and it also support multiple customized service configuration files, such as iserver-services-1.xml, iserver-services-2.xml.
iserver-system.xml	System configuration file, including metadata, cluster, kml style, etc.
web.xml	The initialized configuration file of iServer, which have define the mapping relationship between functions and classed.

Configuration File - Managing iServer Services

- **Function of configuration files**



Backup and Restore

Backup

Restore

Configuration file: E:\Deskpro Versions\supermap_iserver_8.0.0a_win64_zip_eng_usingnew\webapps\iserver\WEB-INF

Backup directory: E:\Deskpro Versions\supermap_iserver_8.0.0a_win64_zip_eng_usingnew\webapps\iserver\WEB-INF\backup

Backup file:

Backup

Others

- **Plan and Task**
 - Server restarts in a specified time range
- **Monitoring and Statistics**
 - Server load, cluster load, accessing history, etc.
- **Global Property Settings**
 - Configure the global variable information in the system, such as the service output path and accessing website

Thank You!

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