

SuperMap iPortal Overview

SuperMap Software Co., Ltd.

SuperMap GIS Product Family

PC Terminals

SuperMap iObjects Java*

SuperMap iObjects .NET

SuperMap iObjects C++*

SuperMap iDesktop

SuperMap iDesktop Cross*

Cloud GIS Platform

SuperMap iServer

SuperMap iPortal

SuperMap iExpress*

SuperMap iManager*

Mobile Terminals

SuperMap iMobile for iOS *

SuperMap iMobile for Android *

SuperMap iClient for iOS

SuperMap iClient for Android

Browser Terminals

SuperMap iClient for JavaScript

SuperMap iClient3D for WebGL

SuperMap iClient3D for Plugin

(Products with * are either created by SuperMap or featured with unique features)

Relationship with SuperMap iServer

iServer

Responsible for publishing GIS services

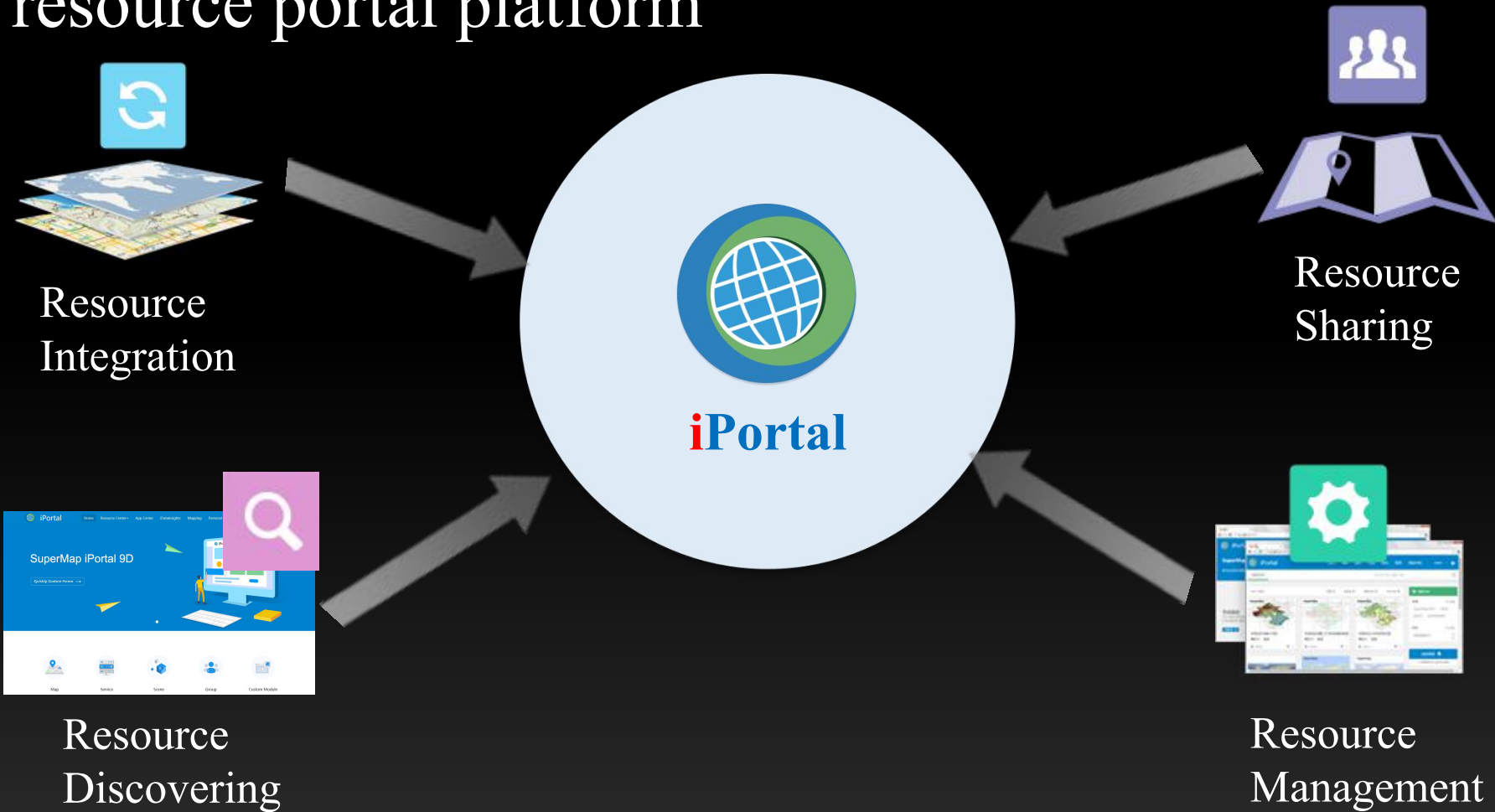
iPortal

Cooperate with iServer to:

- ✓ Register services published by iServer
- ✓ Host iServer to publish services
- ✓ Make use of data of iServer for online mapping
- ✓ Make use of spatial analysis services of iServer for data insight

What can SuperMap iPortal do?

- GIS resource portal platform



Who needs iPortal?

Industrial Geographic Information Infrastructure Platform Construction and Application Organizations


- For example, the GIS platform a certain industry of a province

Urban Geographic Information Public Platform Construction and Application Organizations

- For example, the Geographic Information Public Platform of a city

Large-scale Enterprise Geographic Information Infrastructure Platform Construction and Application Organizations

- For example, the GIS platform of a group



Various users with requirements of GIS service (resource) sharing

Product Features



Resource Integration



Resource Discovering



Resource Sharing



Resource Management



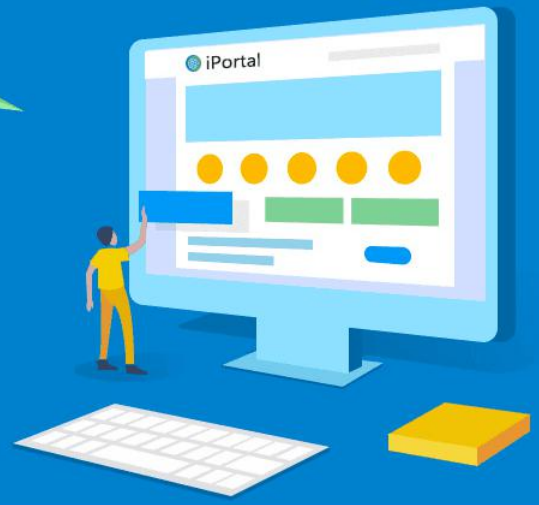
Portal Customization



Web Apps

SuperMap iPortal 9D(2019)

Quickly Customize Home →



Map



Service



Scene



Group



Custom Module

Sign up

*Account

Please enter the account

*Nickname

Nickname contain letters and numbers

*password

Please enter your password

*Confirm password

Please confirm the password

*Security question

What is the name of your high school? ▾

* Security answer

Please enter the answer

Sign Up

Already have an account, please [Sign in](#)

Sign in

Account

Your account name

Password

Your password

Keep me signed in

Sign In

[Forgot password?](#)

No account? [Sign up](#) now.

Product Features



Resource Integration



Resource Discovering



Resource Sharing



Resource Management



Portal Customization

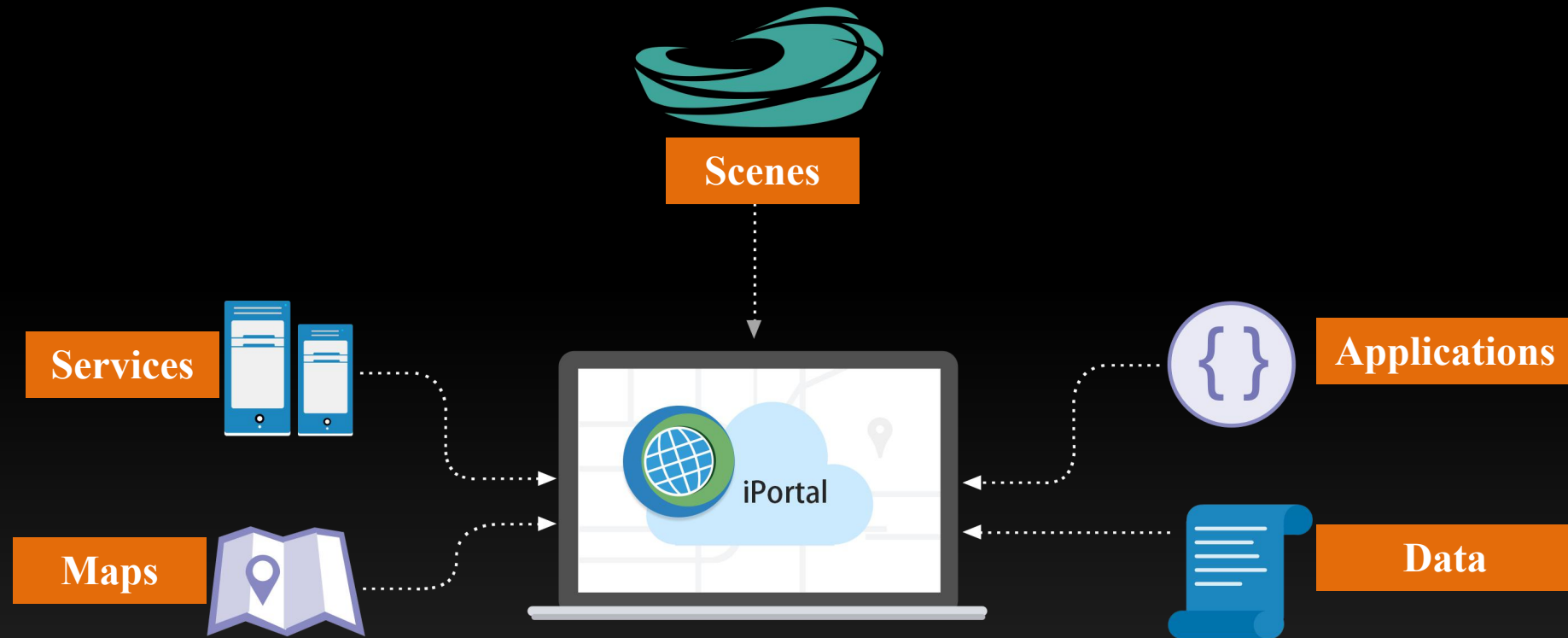


Data App

Access to Resources from Heterogeneous GIS Servers

Servers

- Entrance to access and use GIS resources



Display and Use Resources Uniformly

The screenshot displays the iPortal web interface, which is used for managing and displaying map resources. The interface is organized into several sections:

- Header:** Features the iPortal logo and navigation links for Home, Resource Center, App Center, iDataInsights, Mapping, Personal Center, Sign In, and Sign Up.
- Search and Action:** A search bar for "Name or owner" and a "Create Map" button.
- Map Resources Section:**
 - Map Classification:** A sidebar with filters for "Sources" (SuperMap REST, WMS, WMTS, MAPVIEWER) and "Tags" (jingjin(6)).
 - Service Resources Section:** A sidebar with filters for "Service Classification" and "Types" (SuperMap REST, ArcGIS REST, WFS, WMTS, WCS, WPS, Other).
 - Map Grid:** A grid of 6 map thumbnails. The first map is titled "SuperMap" and shows a colorful thematic map. Below each map, there is a user icon (chen...), a timestamp (01-02 15:30), and a view count (2 or 0).
- Footer:** A copyright notice: "Powered by SuperMap iPortal 9D (9.0.1-win64) © 2000-2017 SuperMap Software Co., Ltd."

Product Features

- Resource Integration
- Resource Discovering
- Resource Sharing
- Resource Management
- Portal Customization
- Data App

Resource Discovering

- Discover resources quickly in multiple ways



Resource Discovering—Customize Catalog Classification

The screenshot displays the iPortal interface for Service Resources. The top navigation bar includes links for Home, Resource Center, App Center, iDataInsights, Mapping, Management, Personal Center, and a user profile for 'admin'. A search bar is present with the placeholder text 'Name, address or owner' and a 'Register' button.

The left sidebar, highlighted with a red border, contains two sections:

- Service Classification:** Includes a 'Types' section with a 'Multiselect' checkbox and several buttons: SuperMap REST, ArcGIS REST, WMS, WFS, WMTS, WCS, WPS, and Other.
- Tags:** Includes a 'Tags' section with a 'Multiselect' checkbox and two buttons: China(1) and World(1).

The main content area shows a list of 2 service(s) with columns for Name, Owner, Update time, and Service type. Two service cards are visible:

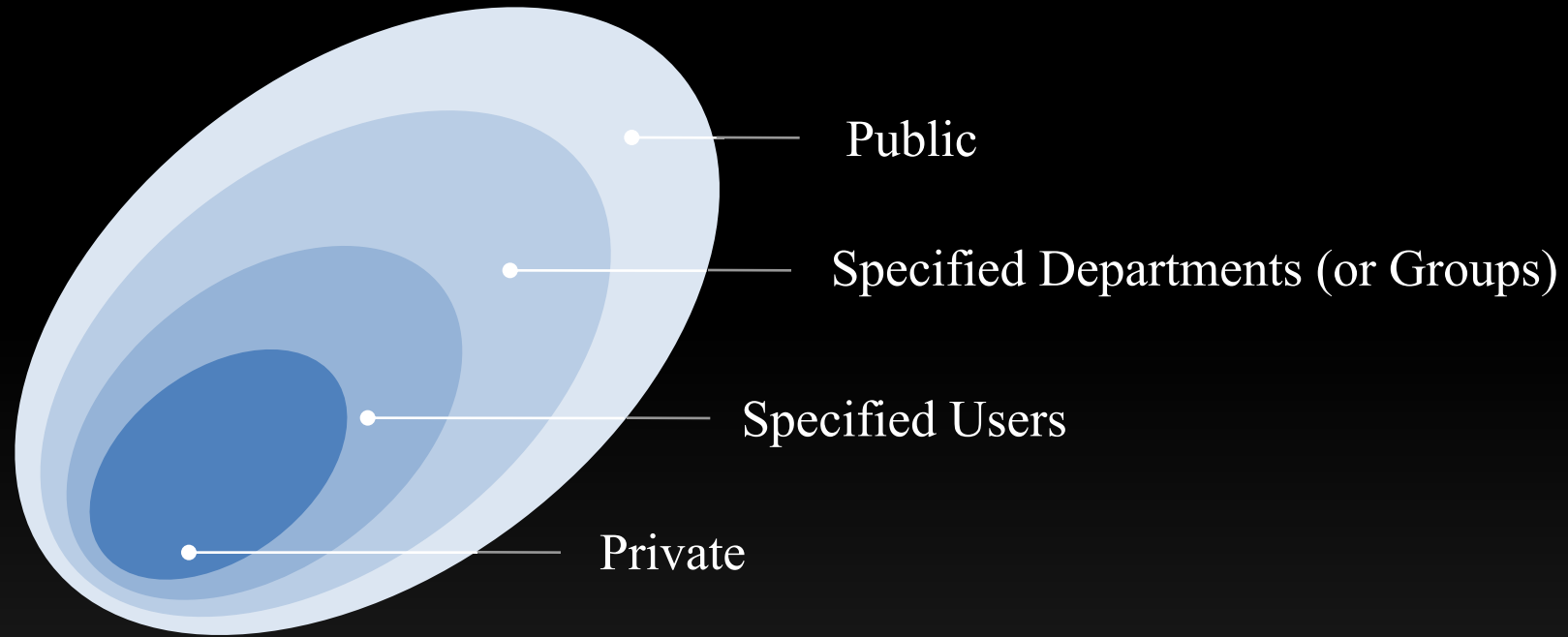
- World:** Features a map thumbnail, owner 'admin', creation time 'Just now', tag 'World', and REST service type. The URL is <http://192.168.29.231:8091/iserver/services/map-World/rest>. A 'Map List' below shows 'World_VanderGrinten world_AirLine_Part'.
- SuperMap:** Features a map thumbnail, owner 'admin', creation time '1 Minutes ago', tag 'China', and REST service type. The URL is <http://192.168.29.231:8091/iserver/services/map-china400/rest>. A 'Map List' below shows 'China China_4326 ChinaDark'.

Product Features

- Resource Integration
- Resource Discovering
- Resource Sharing
- Resource Management
- Portal Customization
- Data App

Resource Sharing

- Support multiple types of sharing scopes



Unified Authority Control of Multi-source Services

The screenshot shows the 'Service details' page for a service named 'ChinaAdmin'. The user 'admin' is logged in. A blue callout bubble highlights the 'URL' and 'Proxy address' fields, which are both visible to the user. The 'URL' is <http://192.168.29.231:8091/issuer/services/map-China/rest> and the 'Proxy address' is <http://localhost:8095/issuer/services/map-China/rest>. Other details include Name: ChinaAdmin, Owner: admin, Type: SuperMap REST, Tags: ChinaAdmin, and Registered at: 13 Minutes ago.

Service registrants and administrators can see the original service address and proxy address

The screenshot shows the 'Service details' page for a service named 'World'. The user 'cystest' is logged in. A blue callout bubble highlights the 'URL' field, which is the proxy address <http://localhost:8095/issuer/services/map-World/rest>. The original URL is not visible. Other details include Name: World, Owner: admin, Type: SuperMap REST, Tags: World, and Registered at: 23 Minutes ago.

Ordinary users with access privilege can only see the proxy address

Product Features

- Resource Integration
- Resource Discovering
- Resource Sharing
- Resource Management
- Portal Customization
- Data App

Portal administrator manages all resources of the portal

Department1 administrator

Department2 administrator

Manage resources of this department

Manage resources of this department

Ordinary user1

Ordinary user2

Ordinary user3

Ordinary user4

Mange my resources

Mange my resources

Mange my resources

Mange my resources

My map

My map

My map

My map

My service

My service

My service

My service

My data

My data

My data

My data

.....

.....

.....

.....

Sharing resources by departments or groups

Multi-level Management based on Organizational Structure and Module Authorization

- In the portal application involving multi-level units or departments, it can effectively avoid the problem caused by management of all portal resources by upper level administrators, significantly reducing the difficulty of resource management and improving the management efficiency.
- The general configuration process is: 1. Enable the organization configuration feature; 2. Configure organizational structure; 3. Authorize permissions to the department administrator.

Product Features

Resource Integration

Resource Discovering

Resource Sharing

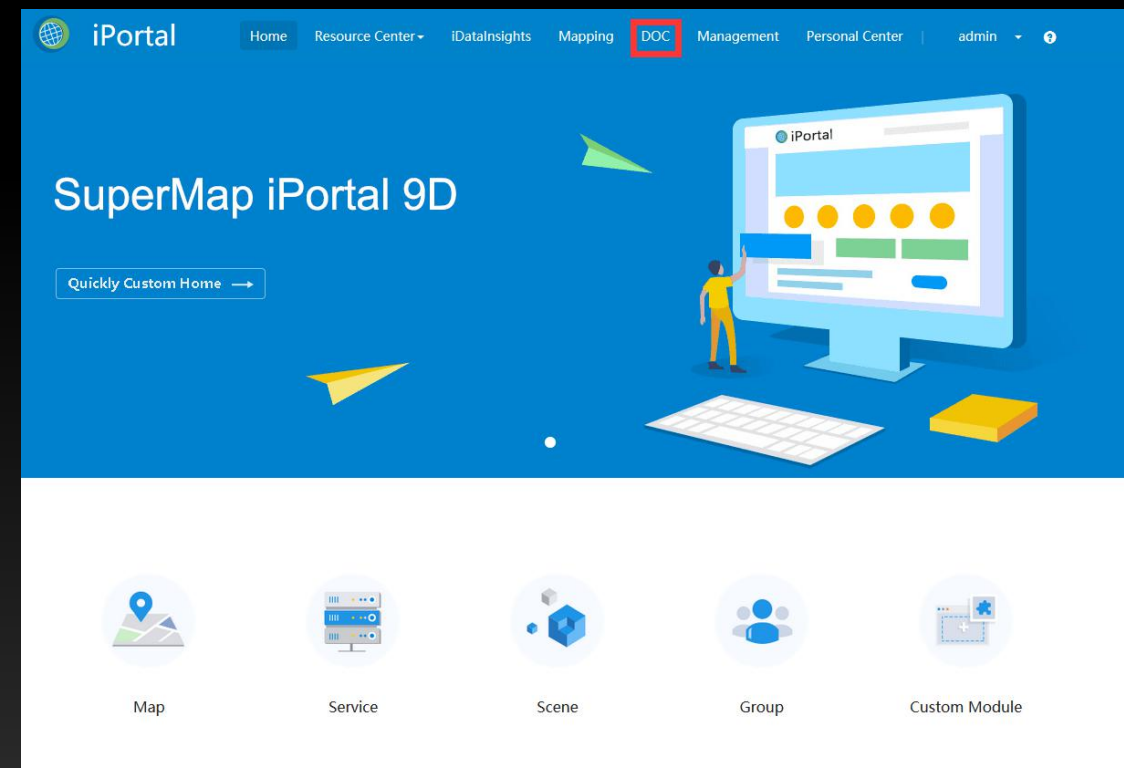
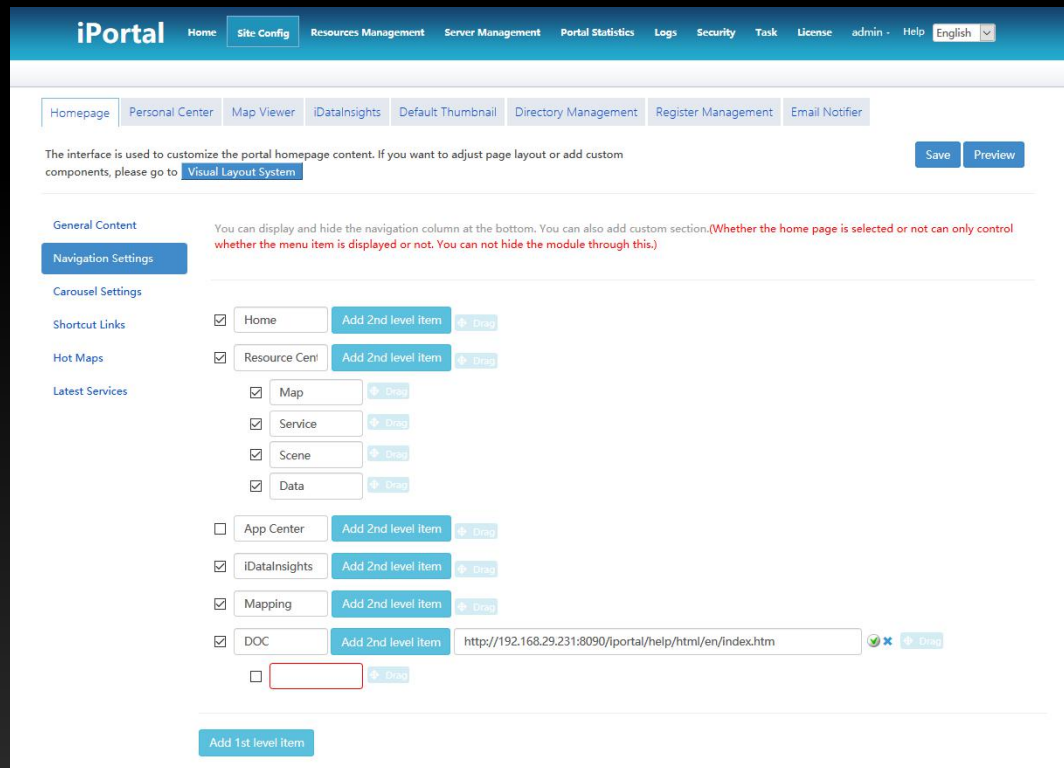
Resource Management

Portal Customization

Data App

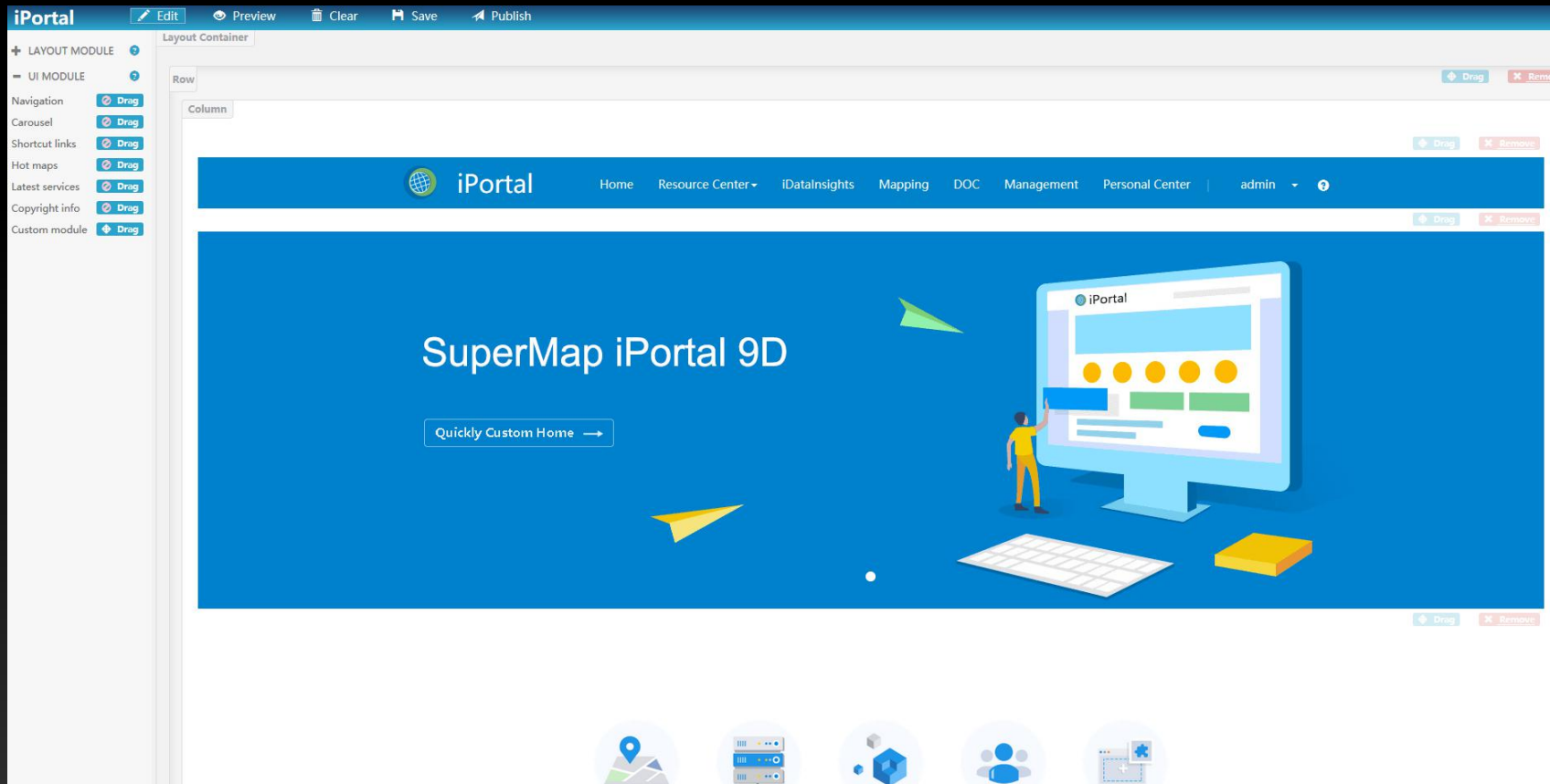
Zero Code Visual Customization—Integrating with Third-Party Applications

- Share built-in navigation bar and user login information of iPortal



Zero Code Visual Customization–Arranging portal Home Page

- Customize UI components and adjust the layout of UI components at the home page



Customize Portal—In-depth Customization

Contents Index Search - Search - Search iPortal

Home > Developer guide

iPortal development and extension guide [Feedback](#)

SuperMap iPortal provides a wide range of SDKs for users, and application developers can use the Web services interface provided by SuperMap iPortal to develop the required application systems. [The use of the iPortal REST API](#) section provides a wealth of examples of the use of the SuperMap iPortal REST API, using the REST API to implement some operations, including the operation of the map, the operation of the data, the operation of the group.

SuperMap iClient 9D for JavaScript provides an API to browse maps in SuperMap iPortal to help you quickly create a map of iPortal in your own Web page.

At the same time, SuperMap iPortal also provides a set of deep custom development guidelines, such as custom development of front-end pages, custom development of new resources to help application developers according to their own business needs, tailored to a series of practical applications in line with the user portal function , Quickly build GIS portal platform system.

For an overview of the SampleCode provided by SuperMap iPortal, refer to the [demonstration program instructions](#).

Use the iPortal API

- [Use REST API](#)

Use iClient API

- [Use the iClient for JavaScript API to browse iPortal maps](#)

Customize the iPortal portal

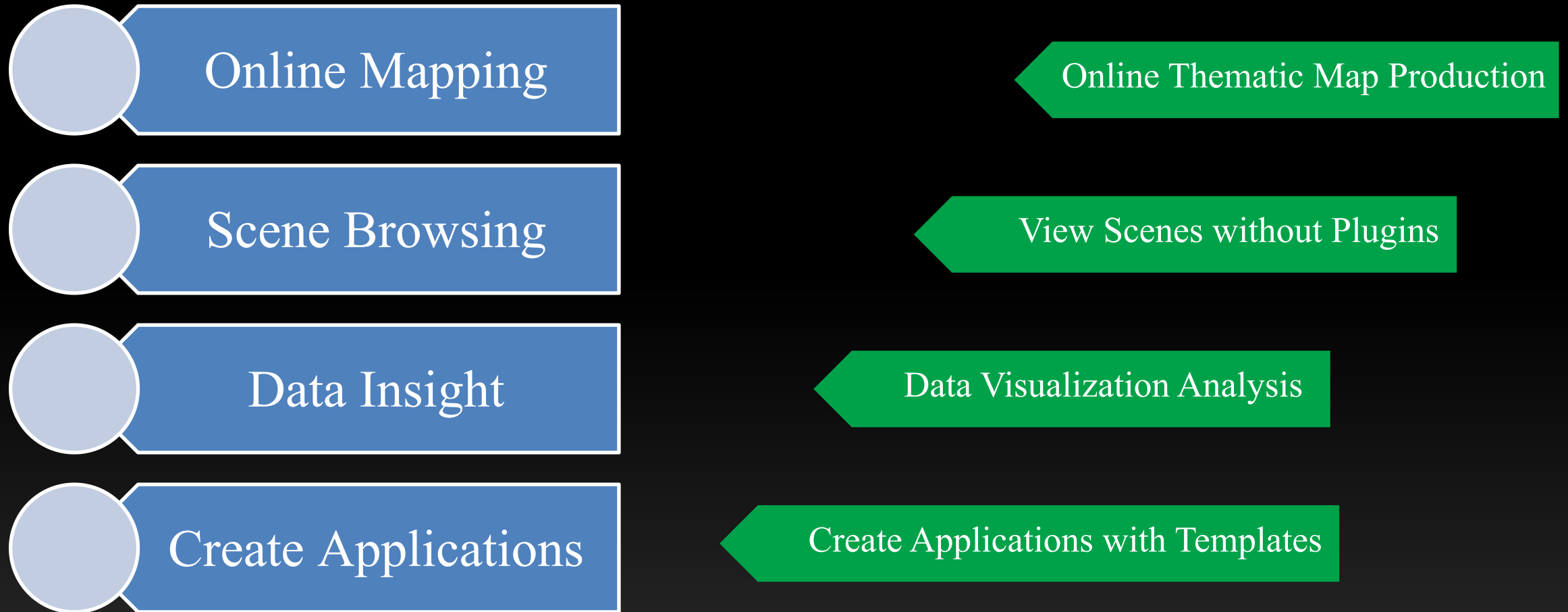
- [Customize the building of development environment](#)
- [Front-end custom development process](#)
- [Backend custom development process](#)
- [Integrate the user's existing account system](#)
- [iPortal upgrade code merge considerations](#)

Copyright© 2000-2017 SuperMap Software Co., Ltd. All rights reserved.

Product Features

- Resource Integration
- Resource Discovering
- Resource Sharing
- Resource Management
- Portal Customization
- Data App

Data App



Online Mapping

The screenshot displays the iPortal web application interface. The top navigation bar includes the iPortal logo and several menu items: Home, Resource Center, iDataInsights, **Mapping** (highlighted with a red box), DOC, Management, Personal Center, and admin. Below the navigation bar, the main content area features the text "SuperMap iPortal 9D" and a "Quickly Custom Home" button. At the bottom, there are three icons labeled "Map", "Service", and "Scene".

Overlaid on the right side of the iPortal interface is a browser window showing a world map. The browser's address bar indicates the URL "localhost:8090/iportal/apps/viewer/2018291219". The map interface includes a search bar with the text "layers" and "Enter a city or address". The map shows various continents and oceans, with "China" highlighted in orange. The map is watermarked with "SuperMap" in several locations. A small inset map is visible in the bottom right corner of the browser window.

Scene Browsing

The screenshot displays the iPortal web application interface. At the top, a blue navigation bar contains the iPortal logo and several menu items: Home, Resource Center, iDataInsights, Mapping, DOC, Management, Personal Center, and an admin user profile. Below the navigation bar, the main content area is titled "Scene Resources". On the left side, there are three filter panels: "Scene Classification", "Tags" (with a "Multiselect" checkbox), and "Scene from users(1)". The main area shows a 3D city scene viewer with a browser address bar displaying "localhost:8090/iportal/apps/sceneviewer/1367222975". The scene itself is a detailed 3D rendering of a city with numerous skyscrapers, a central park area with a lake, and surrounding residential or commercial buildings. A small globe icon is visible in the top left corner of the scene viewer, and a compass is in the top right. The browser's address bar also shows standard navigation icons (back, forward, refresh, home) and a search icon.

Data Insight

The screenshot displays the iPortal SuperMap interface. At the top, the navigation bar includes 'Home', 'Resource Center', 'iDataInsights' (highlighted with a red box and an arrow), 'Mapping', 'DOC', 'Management', 'Personal Center', and 'admin'. The main content area features a 'SuperMap iPortal' header and a 'Quickly Custom Home' button. A 'Works' panel on the left lists various data fields: Location, No., # SmID, # SmX, # SmY, # SmLibTileID, # SmUserID, and # SmGeometr... Below this is a 'Map' icon. The central 'View1' window shows a map with a network of purple and orange lines and numerous green circular data points. On the right, a 'View1' control panel includes 'Layer', 'Analysis', and 'Setting' buttons, a 'Location' field, a 'Classic' style selector, and 'Color' and 'Symbol' options.

Create Applications based on Templates

- “Personal Center”—“My Apps”—“Create Application”

The image displays two side-by-side screenshots from the iPortal application. The left screenshot shows the 'Personal Center' navigation menu with 'My Apps' highlighted in a red box. Below the menu, a central area features a circular icon with a globe and code symbols, a text prompt 'No need to write any code, you can easily get available web a', and a green 'Create Application' button. To the right of this area is a configuration panel with sections for 'Theme' (Classic, Simple, Task station), 'Map' (Sidebar), 'Layout', and 'Theme color' (with a color picker showing #39a2ed). The right screenshot shows a map of China with a search bar 'Search interest point' and a red star marking Beijing. The map includes labels for 'Asia', 'Europe', 'Africa', 'Oceania', 'Indian Ocean', and 'Pacific Ocean', along with a scale bar and an inset map.

Thanks!

SuperMap

北京超图

SuperMap Software Co., Ltd.

