

SuperMap iClient for JavaScript Introduction

SuperMap Software Co., Ltd.

01

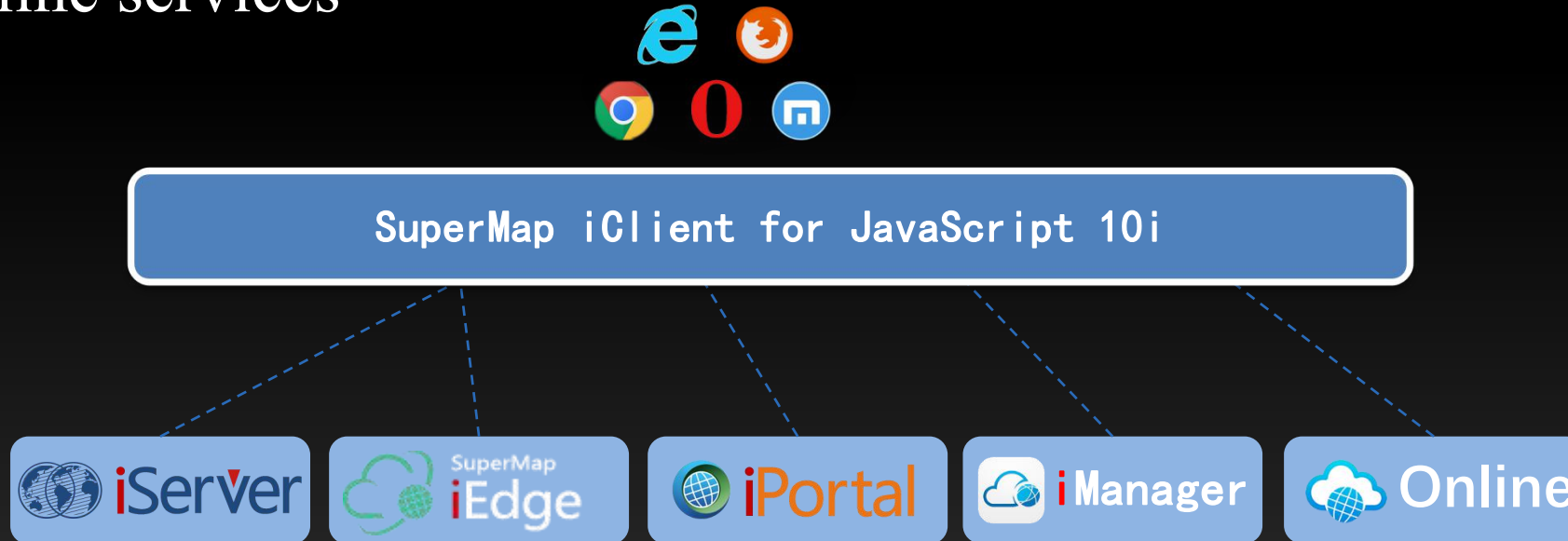
Product Introduction

02

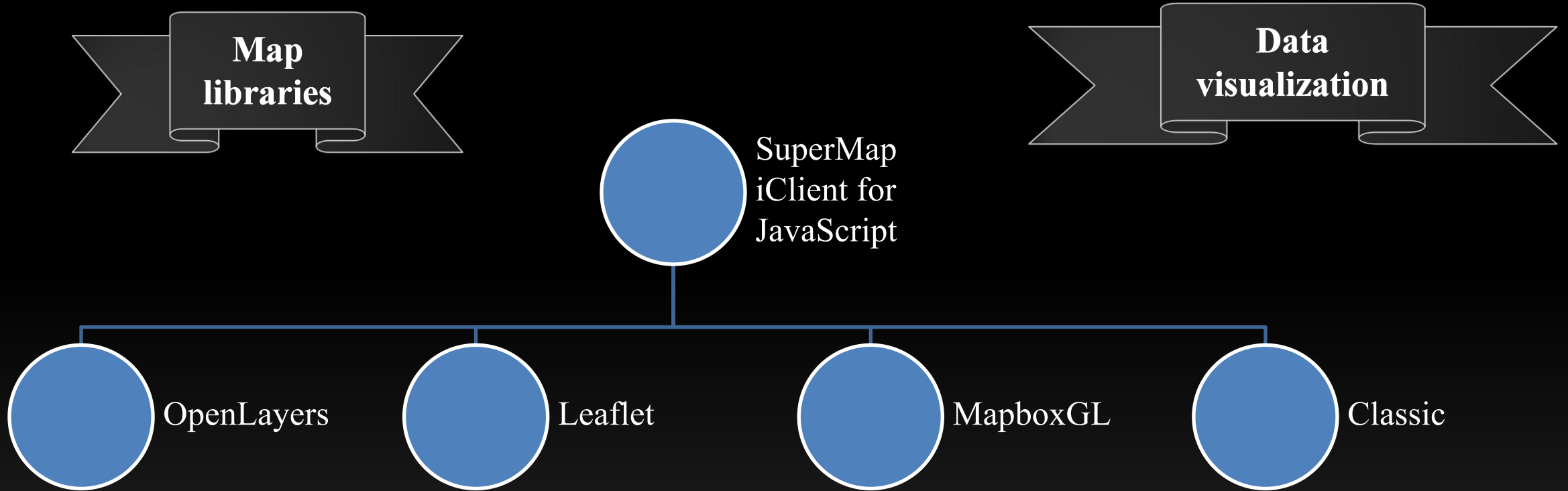
Product Selection

SuperMap iClient for JavaScript Introduction

- **Development Toolkit--SuperMap iClient for JavaScript**
 - Libraries for client GIS application
 - The unified JS client terminal for consuming 4 cloud carriages and Online services



SuperMap iClient for JavaScript Introduction



SuperMap iClient for JavaScript Introduction

□ Map JS map libraries

OpenLayers3/4

- H5 - WebGL
- Vector Layers

Leaflet

- Lightweight & mobile-friendly
- practical examples are abundant, and application experience in the community is rich

MapBox GL JS

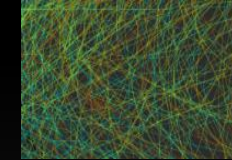
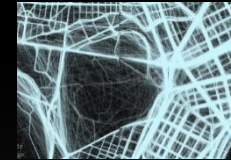
- WebGL
- Vector Tiles
- MapBox Styles

OpenLayers2

□ Viz JS visualization libraries



- Data driven visualization library
- High community activity
- MapBox GL JS already has example cases



ECHARTS

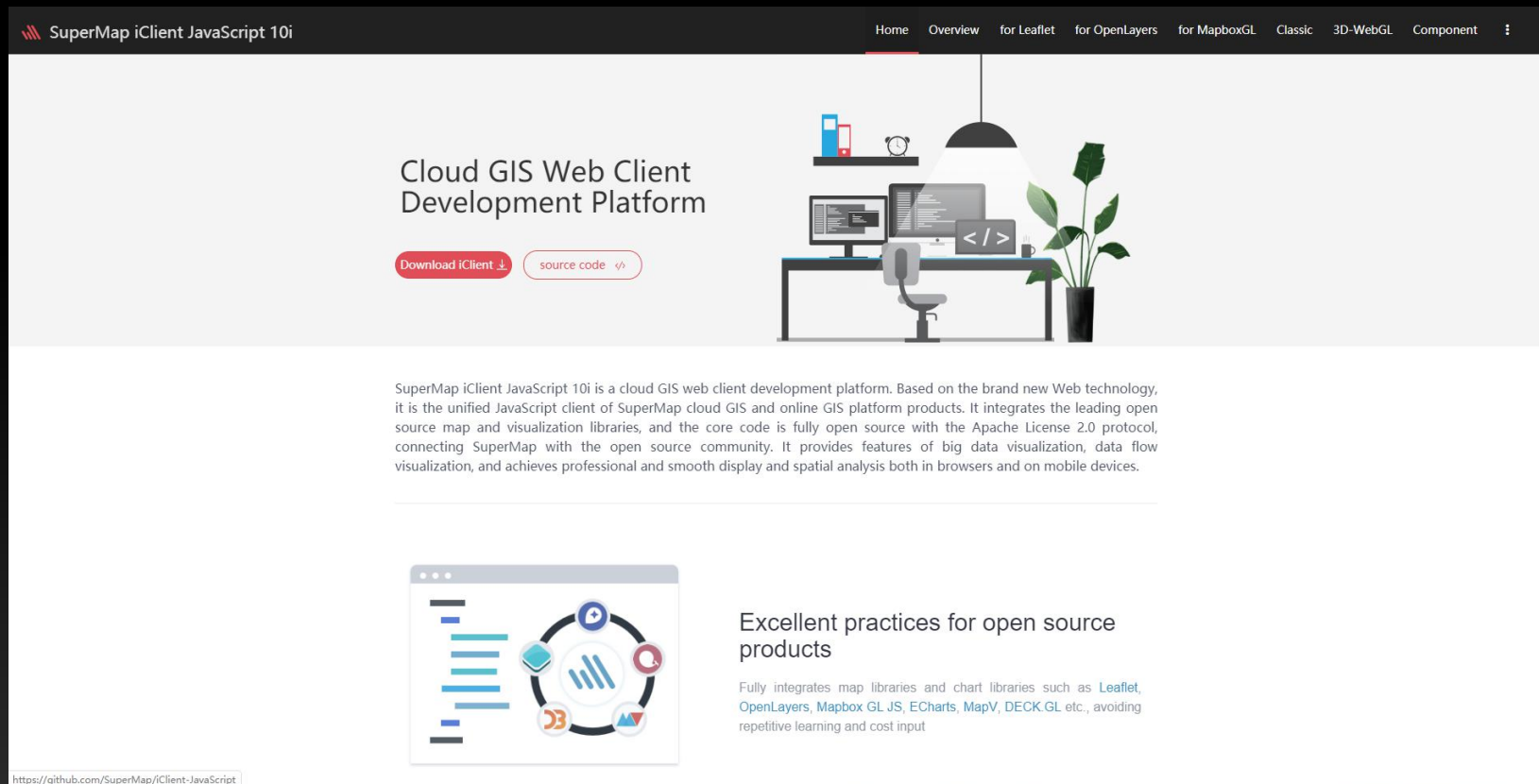
- Intuitive, vivid, interactive chart library
- Many simple but cool map visualization examples are provided in the version 3.0

MapV

- An opensource library for big data visualization based on Baidu Map

SuperMap iClient for JavaScript Sample Codes

- <http://localhost:8090/iserver/iClient/forJavaScript/web/index.html>
- <http://iclient.supermap.io/dev/en/web/index.html>





Polymaps



heatmap.js

WebGIS?

How to select map libraries

Indicator		Map base libraries and corresponding open source libraries			
		for Leaflet	for OpenLayers	for MapBoxGL	iClient Classic
		Leaflet	OpenLayers 3/4	MapBoxGL	OpenLayers 2
Whether closed-source risk exists		No	No	No	No
Advantages		Abundant lightweight plugins	HTML5OL-Cesium	Display effects of MVT vector tiles	Large user base, high stability
Disadvantages		Plugin stability	heavyweight and less plugins	3857 coordinate system supported only	Framework out of date
Performance		High	Medium	High	Low
Stability		High	Medium	Medium	High
Extensibility		Perfect	Good	Bad	Good
Community activity	Stars	19,763	2,988	2,275	1,487
Software maturity		High	Medium	Medium	General
Community ecological chain		Perfect	Good	Starting stage	Good
Learning cost		Medium	High	Medium	High



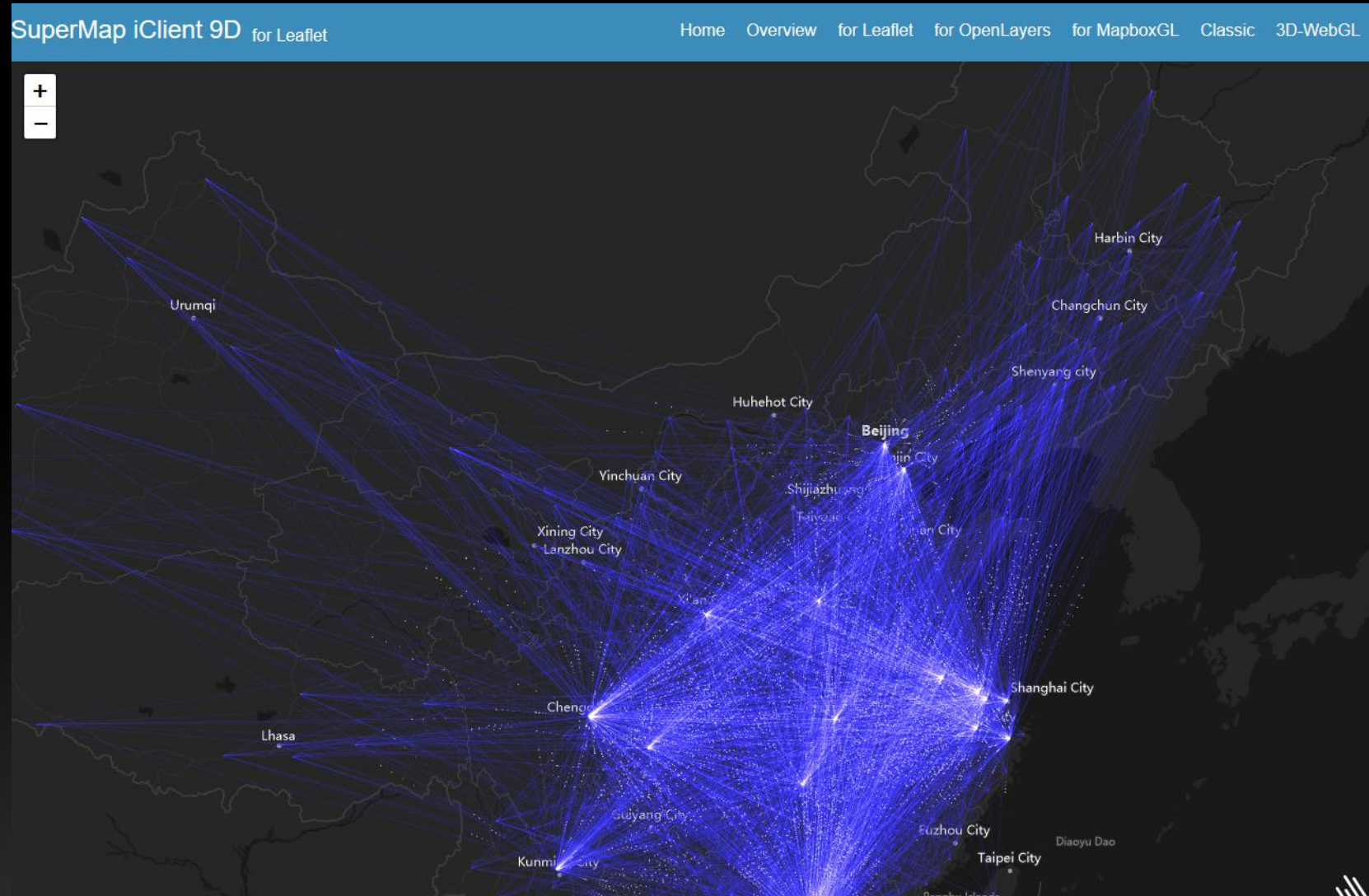
Polymaps



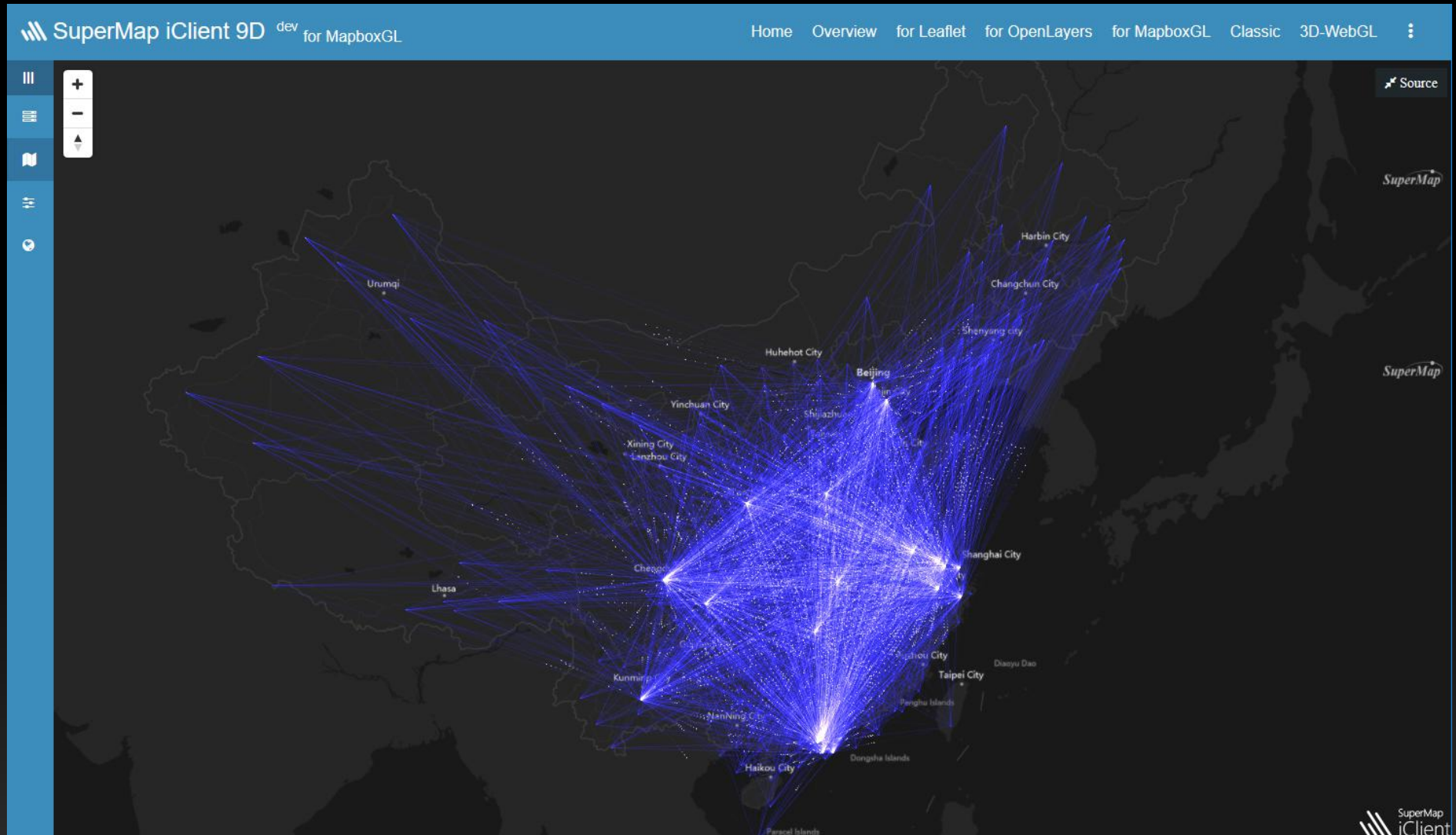
heatmap.js

Visual Web GIS Libraries?

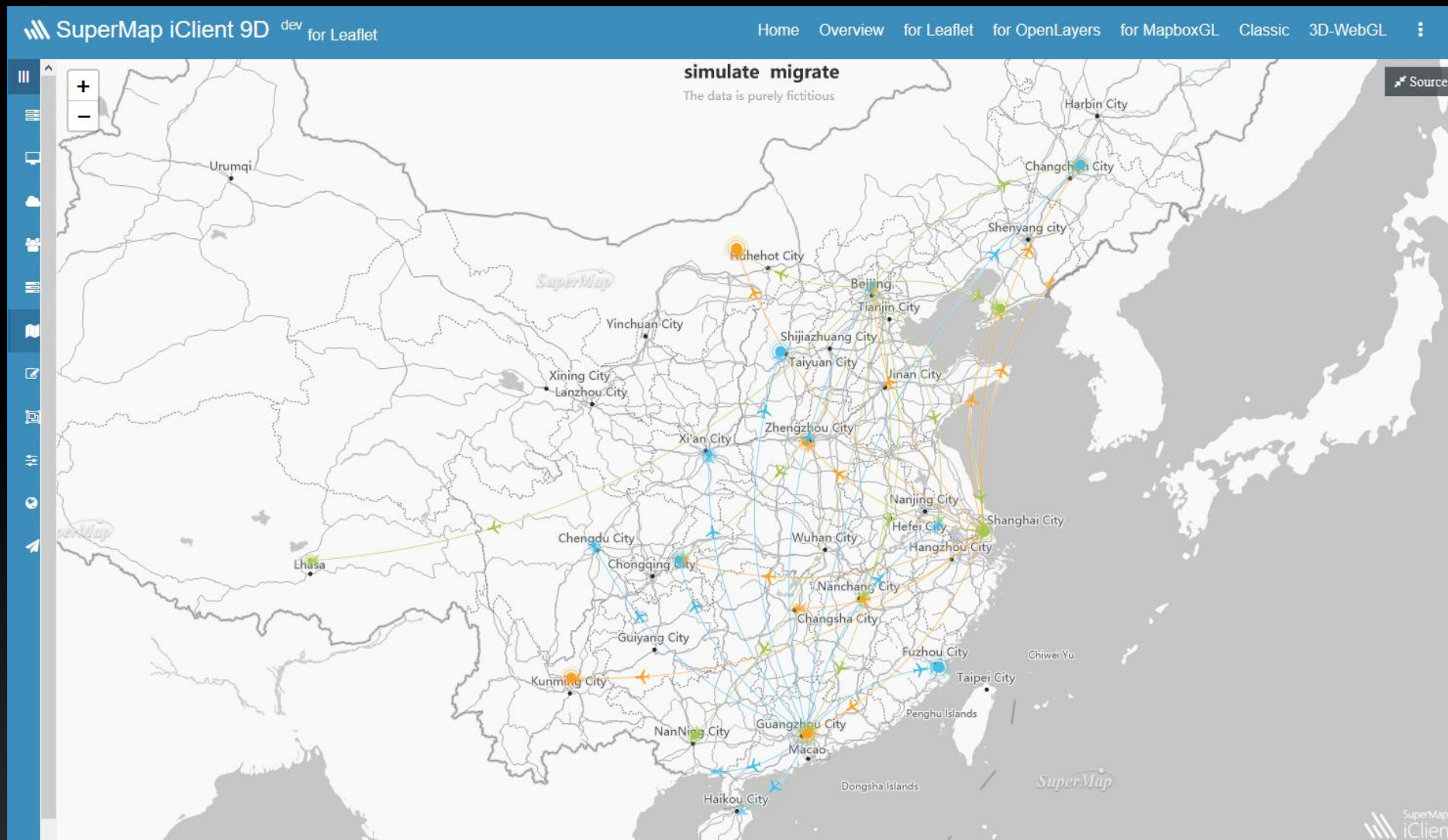
Leaflet+mapV



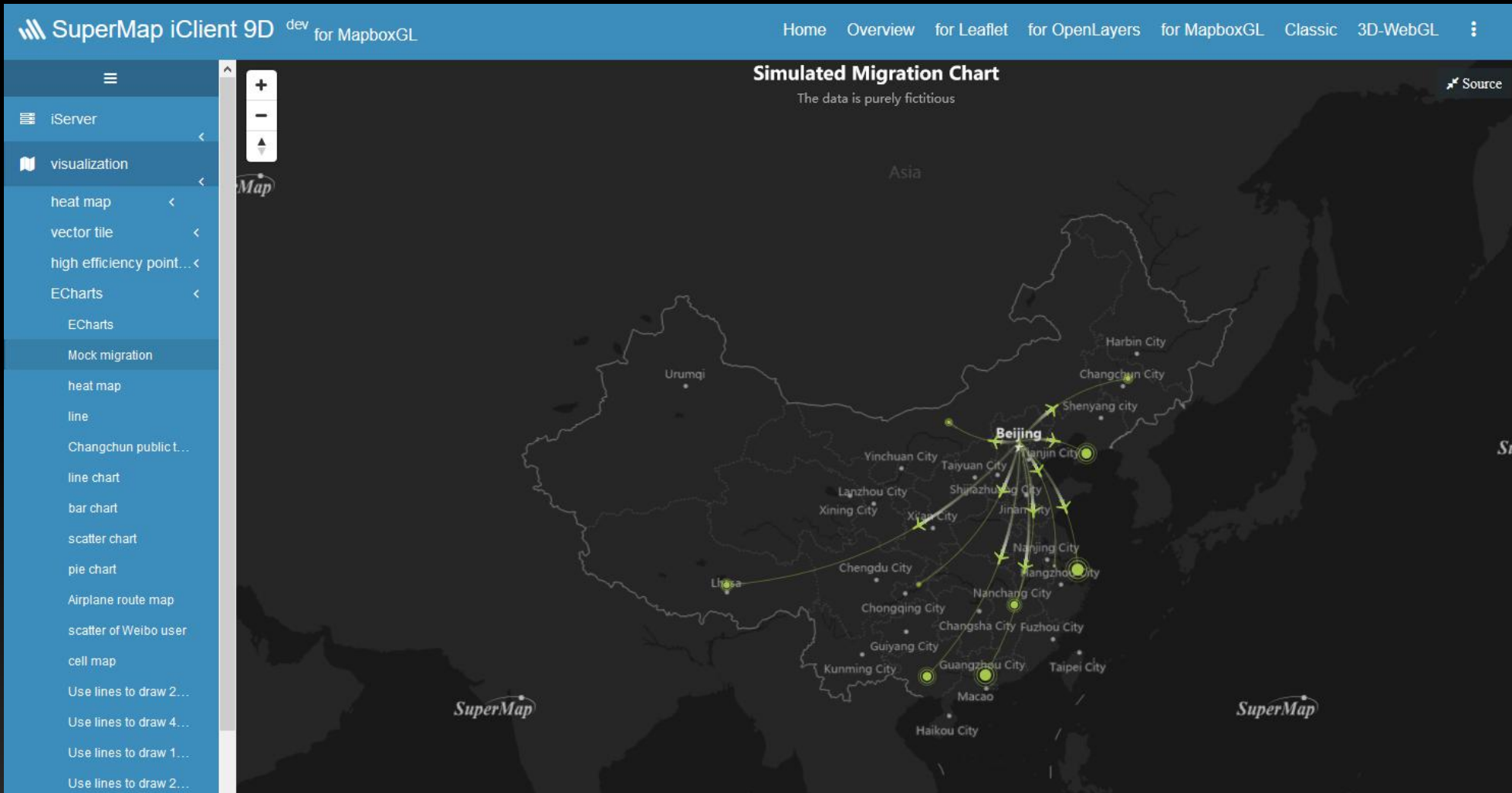
MapboxGL+mapV



Leaflet+Echarts



MapboxGL+ Echarts



Thank You!

