



Quick Start

Apusic Load Balancer

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1 Introduction

This document is the Quick Start Guide for Kingdee Apusic Load Balancer (ALB) V2.0.6 Standard Edition. It introduces the ALB product and helps users get started quickly.

1.1 Intended Audience

This document is intended for IT business owners, R&D managers, software project managers, software architects, and operations engineers.

1.2 Related Documents

For more information about ALB V2.0.6, refer to the ALB V2.0.6 documentation set:

No.	Document	Description
1	ALB V2.0.6 Release Notes	Introduces the version updates of the ALB product.
2	ALB V2.0.6 Quick Start Guide	Briefly describes how to get started with ALB.
3	ALB V2.0.6 Installation Guide	Describes how to install ALB on various operating systems, start and stop the ALB service, and register the product.
4	ALB V2.0.6 Proxy Function Manual	Describes the usage, configuration, and management of ALB features, as well as supporting tools.
5	ALB V2.0.6 Console User Manual	Describes the usage and operation of the ALB Console.
6	ALB V2.0.6 Developer Manual	Describes the ALB external APIs, the alb-cli command-line tool, and AI Agent integration.
7	ALB V2.0.6 Migration Guide	Describes how to migrate and upgrade from earlier ALB versions to V2.0.6.
8	ALB V2.0.6 Operations Manual	Describes ALB monitoring, operations, and security hardening.
9	ALB V2.0.6 Performance Optimization Guide	Describes ALB performance tuning.

1.3 Technical Support

ALB provides comprehensive technical support. You can obtain support through the following channels:

- Website: www.apusic.com
- Phone: 400-855-5800
- Email: support@apusic.com
- Kingdee Cloud Community: <https://vip.kingdee.com/?productId=73&productLineId=14&lang=zh-CN>

When requesting technical support, please provide the following information:

1. Your name
2. Your company information and contact details
3. The operating system and its version
4. The product version number
5. Details of the exception or error, such as logs and screenshots

2 Version Update History

This document is updated as needed. The latest version includes a history of changes.

Date	Document Version	Applicable Product	Update Description
2024-12	V2.0.2	ALB V2.0.2 Agile Edition	Updated ALB high availability and license authentication usage documentation
2025-08	V2.0.5	ALB V2.0.5 Standard Edition	New user manual; added Console usage instructions
2026-06	V2.0.6	ALB V2.0.6 Standard Edition	Brand-new Console upgrade

Before using the product, switch to the ALB installation directory. In this example, the directory is `/opt/ALB-v2.0.6-se-20260421-amd64` (the actual directory name depends on the extracted installation package). Place the ALB Standard Edition license files (`license.lic` , `license.xml` , or the unified license configuration file `acls.properties`) you obtained into the installation directory.

Note: If the license file is missing or invalid, ALB will fail to start and report a license error. Please make sure the license file has been placed correctly.

3.1 First Startup

```
./bin/start-alb-and-console.sh
ALB is Starting(正在启动ALB)...
alb: [emerg] : KBC auth: license just for test

      _____ Apusic Load Balancer Standard
Edition
    /   |   ____ _   ____(_)_   Edition: Standard Edition
    /  /| | /  __ \ /  /  /  /  /  License start: 2026-03-16
00:00:00
    /  ___ | /  /_ /  /  /_ / (___ ) /  /___ License end: 2026-06-30
23:59:59
    /_/   |_/ .___/\__ ,_/____/_/\___/ IP granted: 255.255.255.255
        /_/ Licensee: Apusic Cloud
Computing Co., Ltd.

version: v2.0.6

ALB console is starting (正在启动ALB控制台)...
```

```
=====
ALB Console default user initial passwords
=====
```

```

admin-system: &H3vYJGS65tm@IZk
admin-security: n9dzFv2U1i&d65C*
admin-audit: 0J@Ra^ot3VVrtClx
admin-alb: ^K4gJ05^htPUVbtK
user-alb: Q27&E^HfVGU*Q1Io

```

Security notice: change the password immediately after the first login

=====

ALB and its console are running now! (ALB和ALB控制台启动成功)

The initialized Console users and passwords are shown in the Console initialization information. Log in to the Console and change them.

If you missed the initial passwords, you can view them in the file `console/data/users/.init_passwords`

```

cat console/data/users/.init_passwords
# ALB Console default user initial passwords
# This file is auto-generated; do not modify manually
# Generated at: 2026-06-22 17:46:23

admin-system: &H3vYJGS65tm@IZk
admin-security: n9dzFv2U1i&d65C*
admin-audit: 0J@Ra^ot3VVrtClx
admin-alb: ^K4gJ05^htPUVbtK
user-alb: Q27&E^HfVGU*Q1Io

# Security notice: change the password and delete this file after
the first login

```

3.2 Logging in to the Console

- Login URL: `http://<node IP>:8887` (for system admin and regular users); `http://<node IP>:8887/admin` (for security admin and audit admin)
- Username: admin-alb

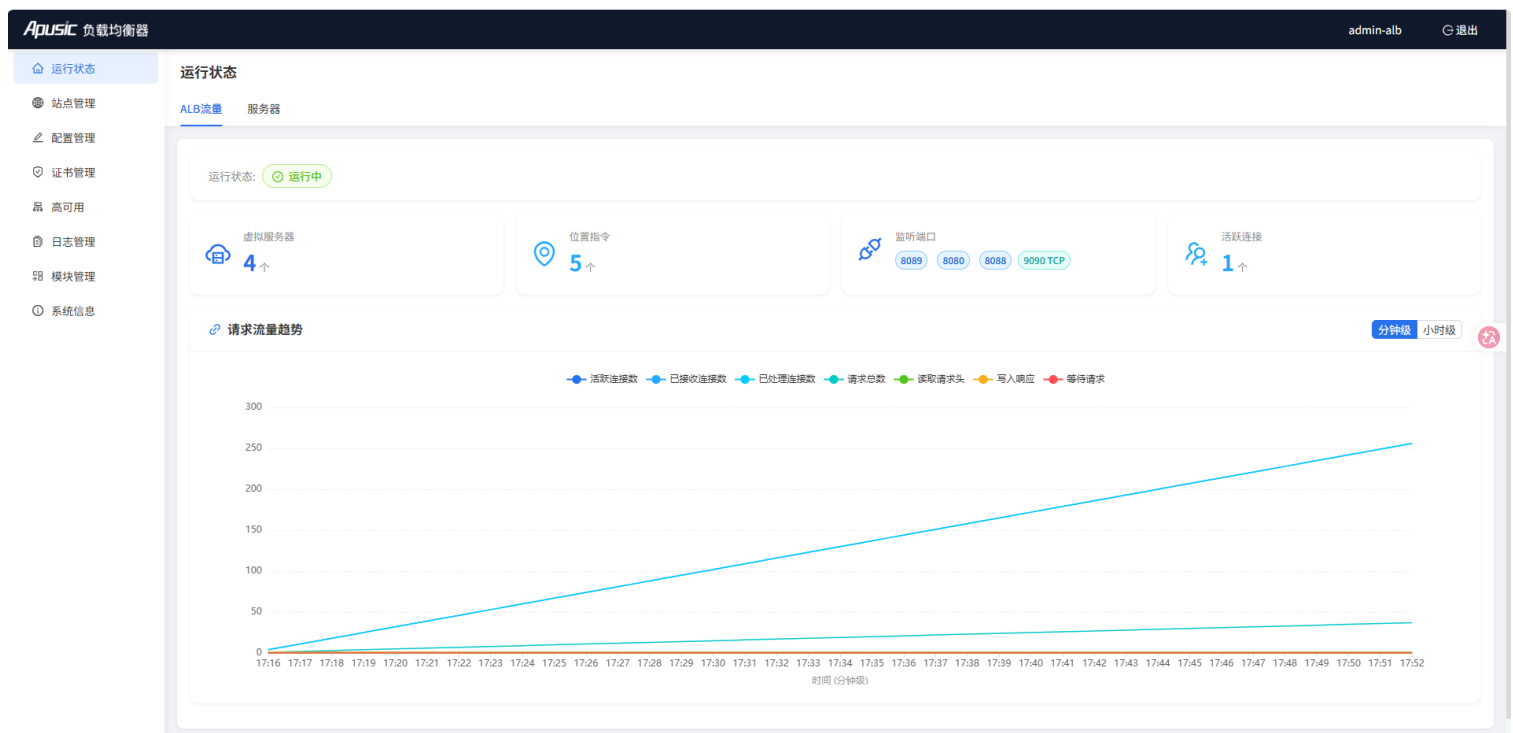
- Password: log in with the initial password printed at the first startup. If you didn't record it, check the file

`console/data/users/.init_passwords`

After logging in for the first time, you must change the password:



After logging in, you enter the home page



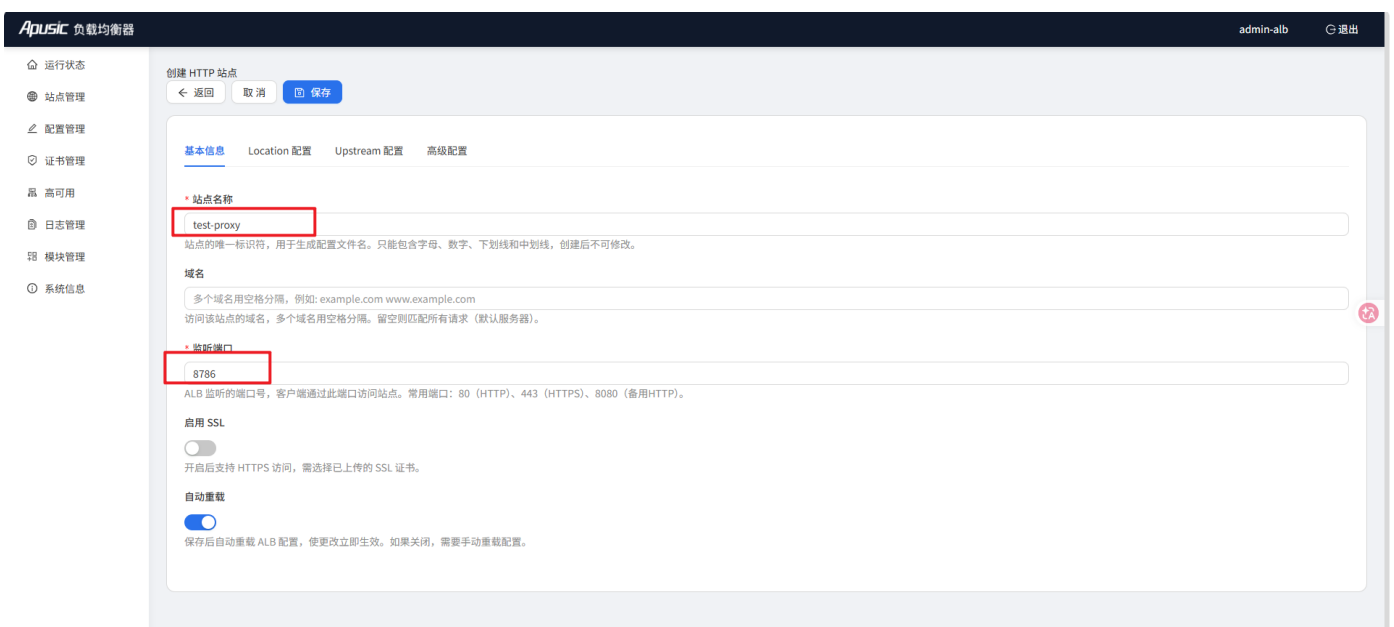
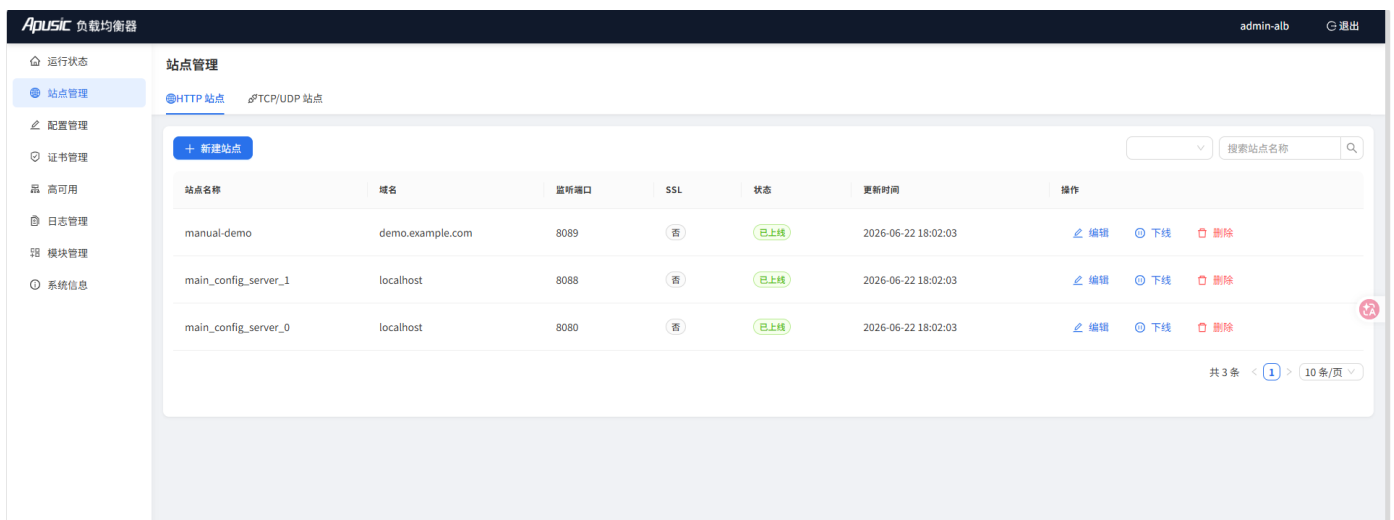
3.3 Configuring Reverse Proxy

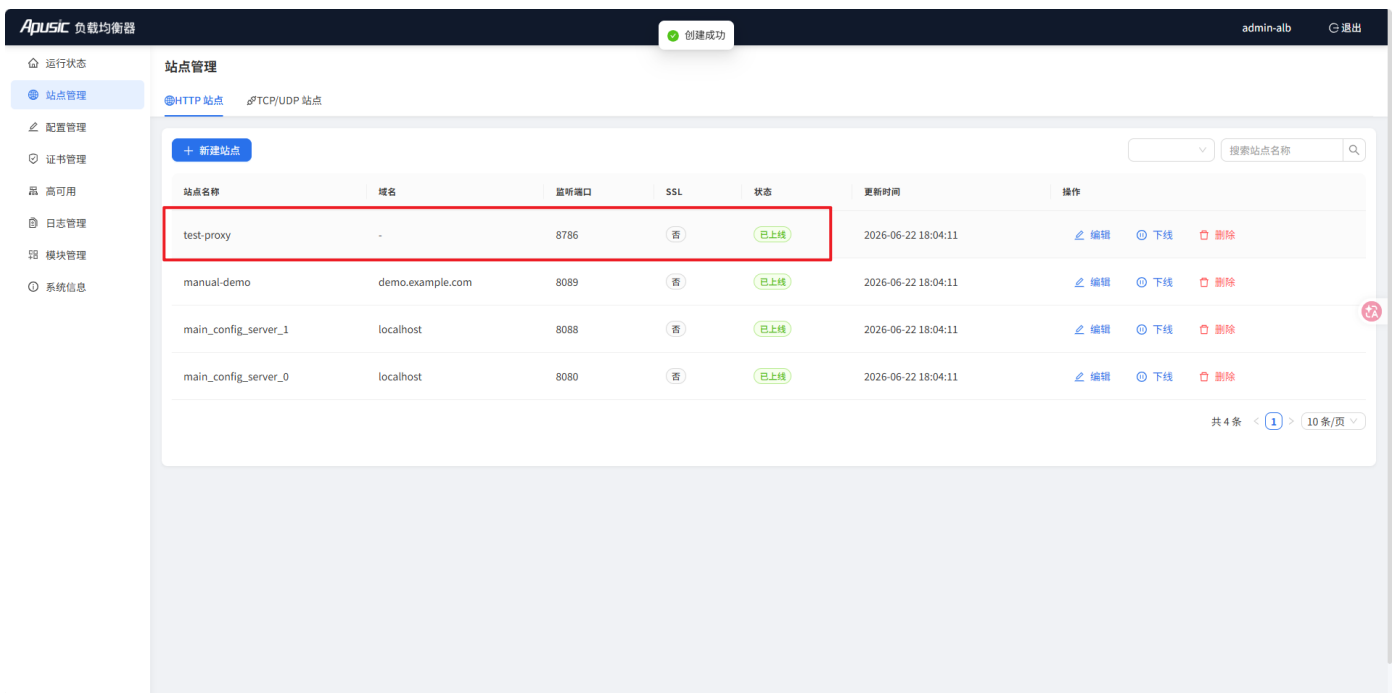
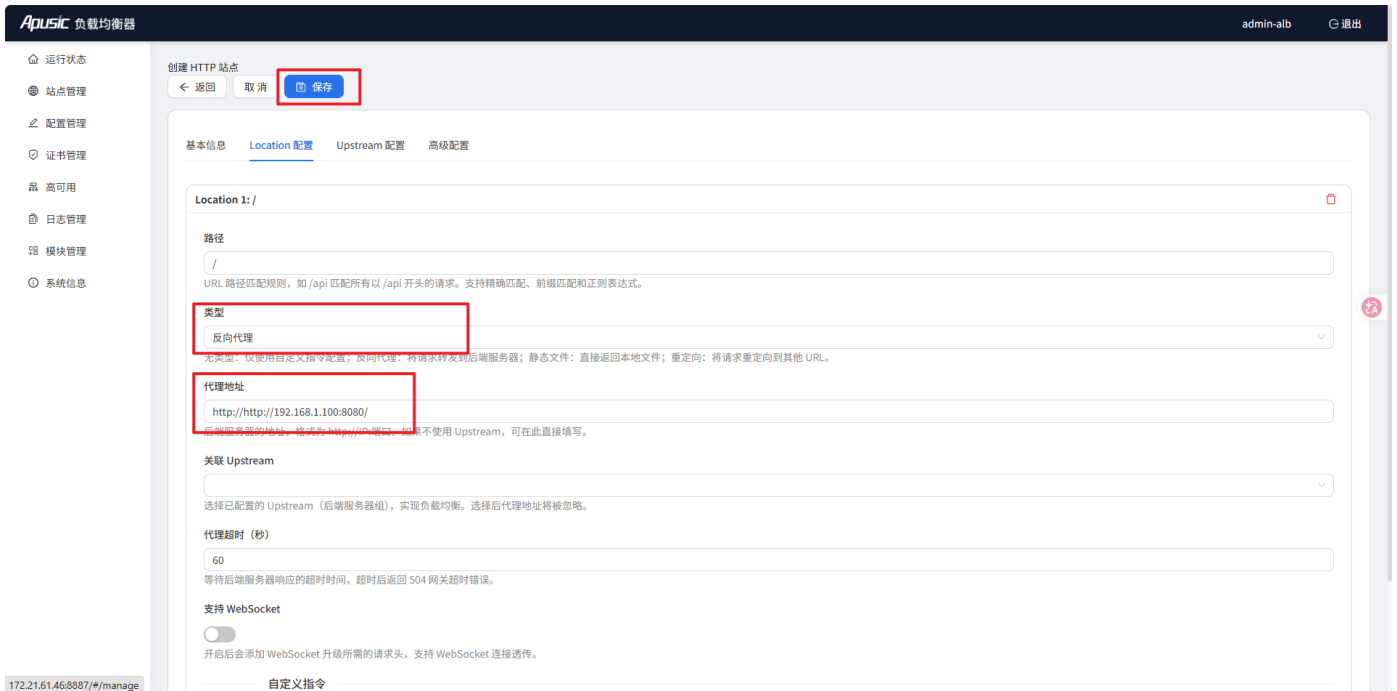
Steps:

1. Prepare the IP address and service port of the target server that will be reverse proxied.
2. Create a site in the Console's Site Management, configure the listen port and reverse proxy to the target server.
3. Verify the reverse proxy.

Example: There is an HTTP service at `192.168.1.100:8080` that needs to be published through ALB. The service is reachable on the ALB node. You can configure ALB's reverse proxy to proxy the HTTP service.

1. Target proxy service: `192.168.1.100:8080`
2. Create a site in the Console's Site Management, configure the listen port and reverse proxy to the target server.





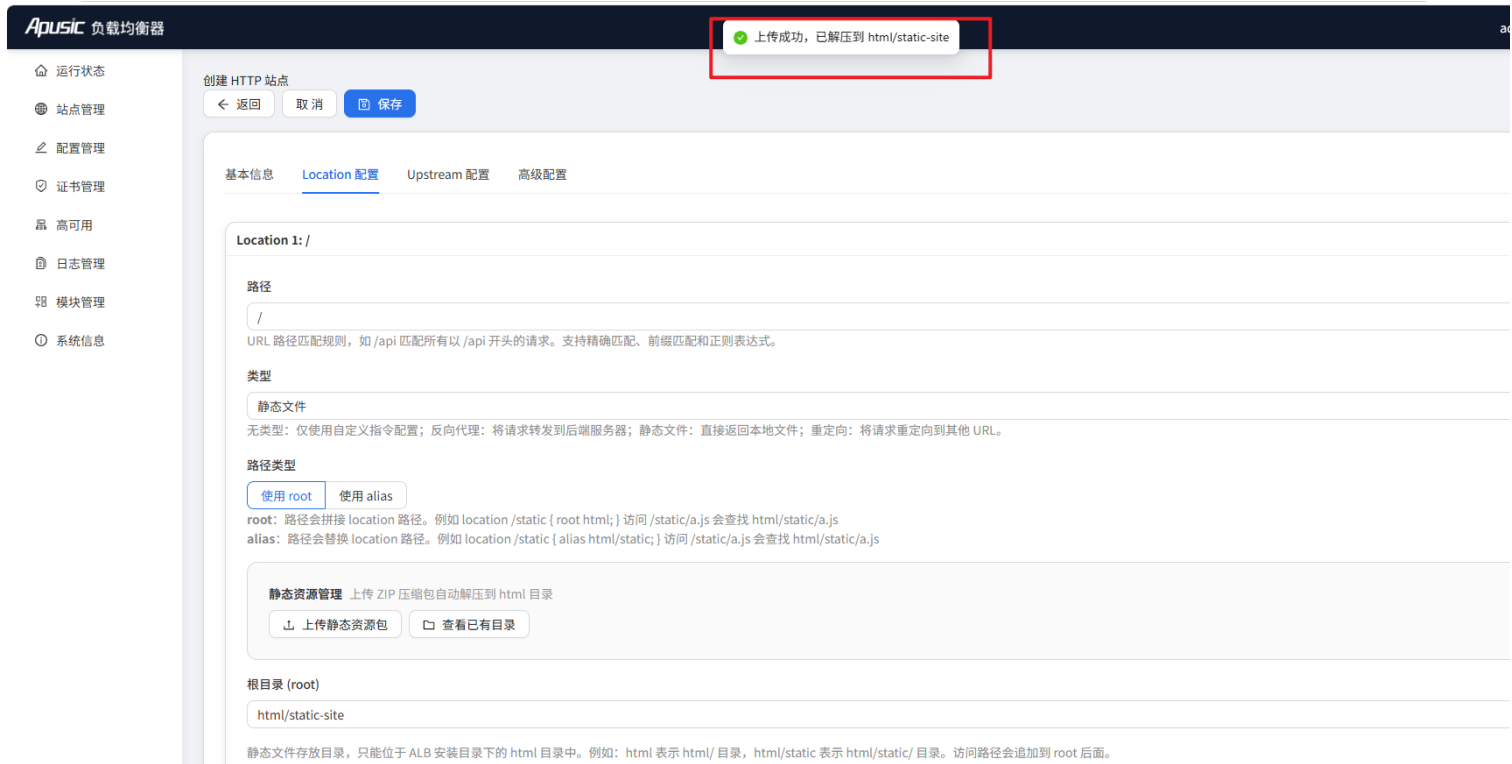
3. Verify the reverse proxy.

```
curl http://[ALB-IP]:8080
```

3.4 Configuring Static Asset Proxy

Steps:

1. Prepare the static asset directory and zip it
2. Create an HTTP site in the ALB Console
3. Fill in the HTTP site name and port, then switch to the Locations tab
4. Click Add Location
5. Select Static Files, then click Upload Static Bundle
6. Click Save



7. Verify the static assets.

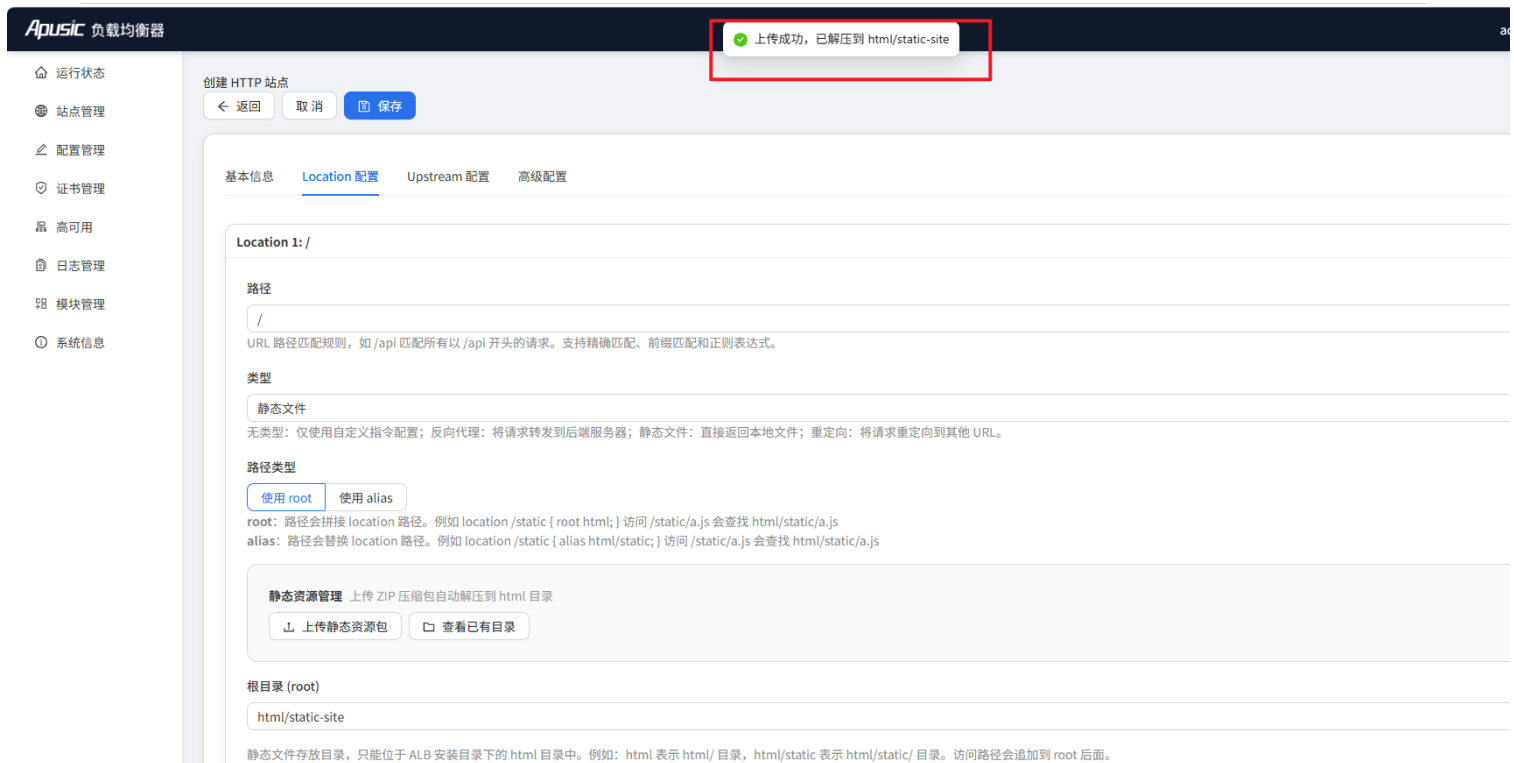
```
curl http://[ALB-IP]:8080/index.html
```

3.5 Configuring Static/Dynamic Separation

Goal: the default path serves static assets; API paths are reverse proxied to the backend.

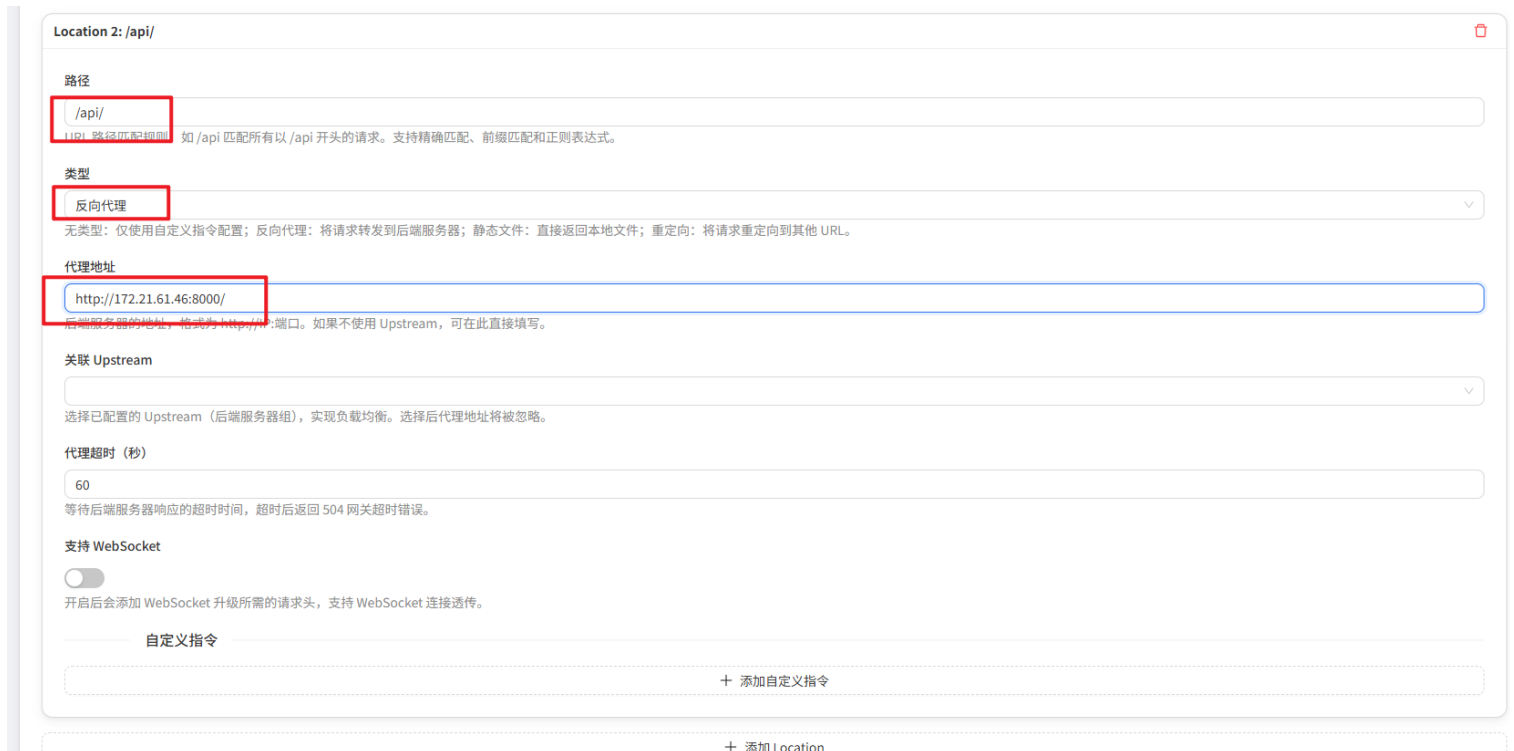
Steps:

1. Prepare the static asset directory and zip it
2. Create an HTTP site in the ALB Console
3. Fill in the HTTP site name and port, then switch to the Locations tab
4. Click Add Location
5. Select Static Files, then click Upload Static Bundle



6. Click Add Location

7. Choose Reverse Proxy as the type, set the path to `/api/`, and set the proxy address to the backend service address



8. Click Save

```
# Fetch the static asset index.html
curl http://[ALB-IP]:8080/index.html
# Call the API
curl http://[ALB-IP]:8080/api/user/list
```

4 Product Startup and Configuration

4.1 Start, Stop, Hot Reload, Uninstall, Validate Config, and Get Authorization Code

- Start ALB and the management Console

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./bin/start-alb-and-console.sh        # Start ALB and the
management Console
```

- Start ALB only (not the Console)

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./bin/start-alb.sh                   # Start ALB
```

- Stop ALB and the management Console

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./bin/stop-alb-and-console.sh        # Stop ALB and the
management Console
```

- Stop ALB only

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./bin/stop-alb.sh                   # Stop ALB
```

- Hot reload

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./bin/reload-alb.sh                  # Hot reload the ALB
configuration
```

- Uninstall
 - Unpackaged installation
 - Delete the installation directory directly
 - rpm:
 - x86: `rpm -e ALB-SE-2.0.6-1.el7.x86_64`
 - arm64: `rpm -e ALB-SE-2.0.6-1.el7.aarch64`
- Validate the configuration file

You can use the `-t` option to check whether the configuration file has errors.

Successful validation prints: `syntax is ok` and `test is successful`.

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./sbin/alb -t                        # Validate conf/alb.conf for
syntax errors
```

To validate a specific configuration file, use the `-c` option:

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./sbin/alb -t -c conf/alb.conf        # Validate conf/alb.conf for
syntax errors

# Output
alb:the configuration file /opt/ALB-V2.0.6-SE-amd64/conf/alb.conf
syntax is ok
```

```
alb:configuration file /opt/ALB-V2.0.6-SE-amd64/conf/alb.conf test
is successful
```

- Get the authorization code

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
./bin/alb-authcode                   # Get the authorization code of
the current node
# Note: if multiple codes appear, use any one when applying for the
license

./bin/alb-authcode -ac eth0          # Get the authorization
code for the specified NIC
./bin/alb-authcode -ac 192.168.1.150 # Get the authorization
code for the specified IP
```

- Configure systemd autostart (optional)

The ALB installation package provides a systemd service file under `utils/systemd/`. You can register it as a system service and enable autostart at boot:

```
cd /opt/ALB-V2.0.6-SE-amd64          # Enter the installation
directory
cp utils/systemd/alb.service /etc/systemd/system/alb.service
systemctl daemon-reload
systemctl enable alb
systemctl start alb
```

4.2 Product Configuration

The ALB core is compatible with Nginx configuration. The main configuration file is:

```
<installation path>/conf/alb.conf
```

A simple `alb.conf` example:

```
user nobody;
worker_processes auto;

events {
    worker_connections 1024;
}

http {
    server {
        listen 8080;
        server_name localhost;

        location / {
            proxy_pass http://192.168.1.100:8080;
        }
    }
}
```

You can use Nginx-style configuration to configure ALB, and edit the configuration files directly under Configuration in the Console.

Edit Config

[Save](#)
[Format Code](#)
[History](#)
[Back](#)

```

2 #user nobody;
3 worker_processes 4;
4
5 #error_log logs/error.log;
6 #error_log logs/error.log notice;
7 #error_log logs/error.log info;
8
9 #pid logs/nginx.pid;
10
11
12 events {
13     worker_connections 1024;
14 }
15
16
17 http {
18     include mime.types;
19     default_type application/octet-stream;
20
21     #log_format main '$remote_addr - $remote_user [$time_local] "$request" '
22     # '$status $body_bytes_sent "$http_referer" '
23     # '"$http_user_agent" "$http_x_forwarded_for"';
24
25     #access_log logs/access.log main;
26
27     sendfile on;
28     #tcp_nopush on;
29
30     #keepalive_timeout 0;
31     keepalive_timeout 65;
32
33     #gzip on;
34
35     server {
36         listen 8080;
37         server_name localhost;
38
39         #access_log logs/host.access.log main;
40
41         location / {
42             root html;
43             index index.html index.htm;

```

★ Name

Path

/home/moiant/test-soft/alb-agile/ALB-V2.0.6-SE-amd64/conf/alb.conf

Modified At

2026-08-10 19:10:03

UNIFIED SERVICE HOTLINE

4008-555-800

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