

Enterprise Content Delivery Network Origin-Pull Management Product Documentation



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Origin-Pull Management

Advanced Origin-Pull Policies

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ECDN supports the following advanced origin-pull policies:

- **Optimal route selection origin-pull**

The best-performing origin server is selected for origin-pull based on the detection result.

- **Weighted origin-pull**

Requests are assigned by weight ratio for origin-pull based on the detection result.

- **Primary/secondary origin-pull**

The primary origin server is always preferentially selected during origin-pull. The secondary origin server will be selected only when the primary origin server is exceptional.

You can select an appropriate origin-pull policy based on your business needs.

- The default origin-pull policy of ECDN is optimal route selection.
- Weighted and primary/secondary origin-pull policies support only origin servers whose type is origin IP. Origin servers whose type is origin domain support only optimal route selection origin-pull.
- If weighted origin-pull is selected, the performance will also be taken into account when the platform schedules requests. Therefore, the actual origin-pull weight ratio may be different from the set ratio.
- If primary/secondary origin-pull is selected, the platform will monitor availability of both the primary and secondary origin servers. If the primary origin server returns a status code in the range of 400-599 (except for 416), requests will be automatically switched to the secondary origin server and will be switched back to the primary origin server if it is found recovered.

Adding Advanced Origin-Pull Policy

1. Optimal route selection origin-pull

The optimal route selection origin-pull policy is the default policy of the platform and applies to origin servers whose type is **origin IP** or **origin domain**:

ECDN

Overview

Domain Name Management

Statistics

Cache Purge

Certificate Management

Log Management

← Create Distribution

Domain Name Configuration ⓘ

Add Acceleration Domain Name

Please enter the acceleration domain

Add

Note: the origin servers of all added domain names should be exactly the same

Project

Default Project

Origin Server Type

☒ Origin Server IP
 ☐ Origin Server Domain

Origin-pull Policy

☒ Optimal Origin-pull
 ☐ Weighted Origin-pull
 ☐ Primary/Secondary Origin-pull

Origin-pull Address

Please enter the IP list

Multiple origin server IPs can be set (one IP per line); ports 1-65535 are supported

Origin-pull Protocol

HTTP

- If the origin server type is origin domain, the optimal route selection origin-pull policy will be selected by default, and you do not need to configure it. You can configure only one origin domain as the origin server address, which must be different from the acceleration domain name.
- If the origin server type is origin IP, the most appropriate origin-pull policy will be selected by default, and you can configure multiple origin IP addresses.

2. Weighted origin-pull

Weighted origin-pull supports only origin servers whose type is **origin IP**. You can set the origin-pull weights for different origin servers based on their loading capabilities.

ECDN

Overview

Domain Name Management

Statistics

Cache Purge

Certificate Management

Log Management

Create Distribution

Domain Name Configuration

Add Acceleration Domain Name

Please enter the acceleration domain

Add

Note: the origin servers of all added domain names should be exactly the same

Project

Default Project

Origin Server Type

☒ Origin Server IP
 ☐ Origin Server Domain

Origin-pull Policy

☐ Optimal Origin-pull
 ☒ Weighted Origin-pull
 ☐ Primary/Secondary Origin-pull

Origin-pull Address

Please enter the origin-pull IP address

Weight

Add

Multiple origin server IPs can be set (one IP per line); ports 1-65535 are supported

Origin-pull Protocol

HTTP

- A weight ranges from 1 to 100, and the system calculates the origin-pull ratio of different origin servers based on their weights.
- Up to 32 origin IP addresses can be configured.
- If you want to allow the list of ECDN intermediate node IPs, please [submit a ticket](#) for application.

3. Primary/secondary origin-pull

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Primary/secondary origin-pull supports only origin servers whose type is **origin IP**. You can use this feature if you want to implement origin-pull based on a primary/secondary architecture.

ECDN

Overview

Domain Name Management

Statistics

Cache Purge

Certificate Management

Log Management

← Create Distribution

Domain Name Configuration

Add Acceleration Domain Name

Please enter the acceleration domain

Add

Note: the origin servers of all added domain names should be exactly the same

Project

Default Project

Origin Server Type

☒ Origin Server IP ☐ Origin Server Domain

Origin-pull Policy

☐ Optimal Origin-pull ☐ Weighted Origin-pull ☒ Primary/Secondary Origin-pull

Primary Origin Server Address

Please enter the primary IP

Secondary Origin Server Address

Please enter the secondary IP

Multiple origin server IPs can be set (one IP per line); ports 1-65535 are supported

Modifying Advanced Origin-Pull Policy

After adding a domain name, you can modify advanced origin-pull policies on the domain management page in the following steps:

Step 1. Log in to the [ECDN Console](#), click **Domain Management** on the sidebar, and click **Manage**.

ECDN

- Overview
- Domain Name Management**
- Statistics
- Cache Purge
- Certificate Management
- Log Management

Domain Name Management





If you add or disable a domain name, the system will deploy relevant configuration for the domain name on the backend. The configuration takes about 5 minutes to take effect.

Create Distribution Purge Enable ECDN Service More Operations

Please enter the prefix to query

Domain Name	Status	CNAME	Project	Acceleration Region	Operation
	Enabled	.dns...	Default Project	Mainland China	Manage Close More
	Enabled	.dn...	Default Project	Mainland China	Manage Close More

Step 2. On the **Basic Info** page, you can view the origin server configuration information. Click **Edit** to enter the editing page.

Basic Information	Cache Configuration	Access Configuration	Advanced Configuration
Basic Information			
Domain Name	[Redacted] .com		
CNAME	[Redacted] .com		
Project	Default Project Modify 		
Acceleration Region	Mainland China Modify 		
Time Created	2020-04-23 21:26:23		
Origin Server Information Modify 			
Origin Server Type	IP Origin		
Origin-pull Policy	Optimal Origin-pull		
Origin-pull Protocol	HTTPS		
Origin Server Address	[Redacted]		
Secondary Origin Server Address	-		
Origin-pull Configuration			
Origin Domain	[Redacted] Modify 		

Step 3. In the pop-up window, you can adjust the origin server configuration as needed. For more information on how to configure advanced origin-pull policies, please see [Adding Advanced Origin-](#)

Pull Policy.

Modify Origin Server Configuration



Origin Server Type

☒ Origin Server IP ☐ Origin Server Domain

Origin-pull Policy

☒ Optimal Origin-pull ☐ Weighted Origin-pull ☐ Primary/Secondary Origin-pull

Origin-pull Address



Multiple origin server IPs can be set (one IP per line); ports 1-65535 are supported

Origin-pull Protocol

HTTPS

Yes

Cancel

- The origin server configuration takes 5-30 minutes to be distributed and take effect.
- When adding an origin server address, please make sure that the origin server has been enabled for service; otherwise, some requests may fail after the switch.
- Before deleting an origin server address, delete the origin server configuration on the ECDN platform first and then disable the origin server service so as to reduce the risks of origin server switch.