

Alibaba Cloud Alibaba Cloud CDN

Quick Start

Issue: 20190813

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK .
Courier font	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid <i>Instance_ID</i></code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand slave}</code>

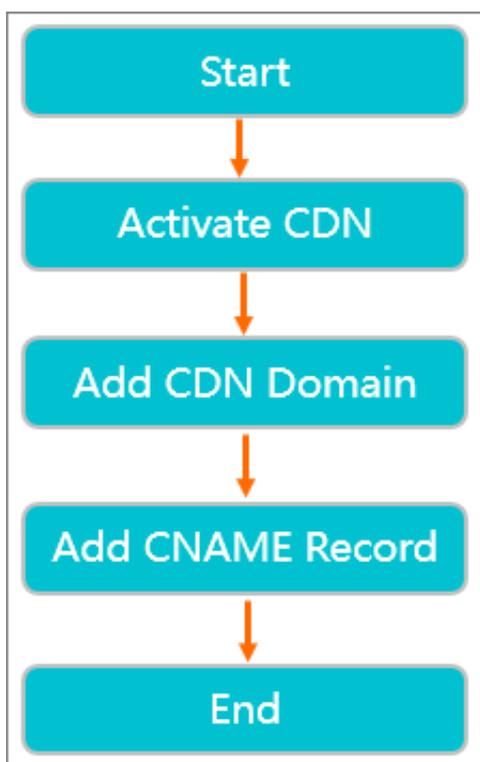
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1 Overview

This topic helps you to quickly learn the operation process and scenarios when you use CDN for the first time.

The following figure shows how to get quickly started with CDN.



The following table describes how to get quickly started with CDN.

No.	Procedure	Scenario
1	Activate CDN	Before you use the features provided by CDN, you must activate the CDN service.
2	Add a CDN domain	If you want to use CDN to accelerate content on a specific website, you need to use the website as the origin site to add a CDN domain for it. CDN caches resources on the origin site to the CDN acceleration node through the CDN domain to accelerate resource access.

No.	Procedure	Scenario
3	<p data-bbox="347 268 699 347">Configure a CNAME record</p> <ul data-bbox="347 369 699 705" style="list-style-type: none"><li data-bbox="347 369 699 481">• Configure a CNAME on Alibaba Cloud (HiCloud)<li data-bbox="347 504 699 616">• Configure a CNAME on Tencent Cloud (DNSPod)<li data-bbox="347 638 699 705">• Configure a CNAME on Xinnet	<p data-bbox="715 268 1434 593">After the CDN domain is added, CDN will assign the corresponding CNAME address to the domain . If you need to enable the CDN domain, you must configure the CNAME record on the origin site. As a result, requests destined for the CDN domain can be forwarded to the CDN node. How to configure a CNAME record varies by website. Select a method as needed.</p>

2 Purchase Procedure

1. Log on to the [CDN console](#).
2. Click [Buy Now](#) to purchase Alibaba Cloud CDN.
3. On the Enable Service page, select the appropriate [billing method](#). Once you confirm your order, the CDN service is enabled.
4. When the CDN service has been activated, log on to the Alibaba Cloud console to add and manage CDN domain names. For more information, see [Quick Start](#).

3 Add a CDN domain

If you want to use CDN to accelerate business on a specific website, you need to use the website as the origin site to add a CDN domain for it. CDN caches resources on the origin site to the CDN acceleration node through the CDN domain to accelerate resource access. This topic describes how to add a CDN domain.

Procedure

1. Log on to the [Alibaba Cloud CDN console](#).
2. In the left-side navigation pane, click Domain Names.

3. On the Domain Names page, click Add Domain Name.

< Add Domain Name

1 Enter Basic Information 2 Review Information 3 Complete

* Domain Name
Wildcard domain names are supported, such as "*.test.com". [Learn more](#)

* Business Type Image and Small File Large File Download VOD
 Live Streaming

* Origin Info Type OSS Domain IP Origin Domain
 FC Domain

Domain Name

Using OSS for the origin site reduces your back-to-origin traffic fees.

Note: OSS domain names must end with aliyuncs.com or aliyun-inc.com.

* Port Port 80 Port 443

* Region Mainland China (ICP Required)
 All Regions Including Mainland China (ICP Required)
 All Regions Excluding Mainland China (ICP Not Required)

An ICP filing is required if you select Mainland China or All Regions Including Mainland China. [What is an ICP filing?](#)

Pricing policies vary by region. [Pricing](#)

4. Configure the following parameters: Domain Name, Resource Group, Business Type, Origin Info, and Region.

Parameters on the Add Domain Name page are described as follows.

Parameter	Option	Description
Domain Name	N/A	<p>Enter a domain name, for example, ch.aliyun.com. Follow these restrictions and guidelines:</p> <ul style="list-style-type: none"> • Generally, a subdomain name or a wildcard domain name is used as the CDN domain name, for example, <code>cdn-test.example.com</code>. • Wildcard domain acceleration is supported. Chinese domain acceleration is not supported. Follow rules to enter a wildcard domain name, such as <code>*.test.com</code>. For more information, see Rules for adding wildcard domain names. • A CDN domain cannot be added multiple times. If a DomainAlreadyExist error occurs, submit a ticket. • Up to 50 CDN domains can be added under each account. To add more CDN domains, submit a ticket. • The content in the domain must comply with CDN specifications. For more information, see Limits.
Business Type	Images and small files	If you want to accelerate the small-sized static content on your website, such as small files, images, and style sheets, we recommend that you select the Image and Small File type.
	Large File Download	If you want to accelerate large files (static files larger than 20 MB), such as game installation package, app update, mobile ROM upgrade, and app package download, we recommend that you select the Large File Download type.
	VOD	If you want to accelerate on-demand video or audio content, we recommend that you select the VOD type.

Parameter	Option	Description
	Live Streaming	<p>If you want to accelerate live streaming content, we recommend that you select the Live Streaming type. Follow these restrictions and guidelines:</p> <ul style="list-style-type: none"> Only streams in RTMP or HLS format are supported. Custom origins are not supported. CDN provides a unified live center server: <code>video-center.alivecdn.com</code>.
Type	IP	You can specify the public IP addresses of multiple servers. IP addresses of Alibaba Cloud ECS instances are exempt from manual review.
	Origin Domain	<p>You can specify the domain names of multiple origin servers.</p> <p> Note: The origin domain you specified cannot be the same as the CDN domain. Otherwise, a DNS resolution loop will occur, and the origin requests cannot be forwarded correctly. For example, if the CDN domain name is set to <code>cdn.yourdomain.com</code>, you can set the origin domain to <code>img.yourdomain.com</code>.</p>
	OSS Domain	You can manually enter the Internet domain name of an Alibaba Cloud OSS bucket, such as <code>xxx.oss-cn-hangzhou.aliyuncs.com</code> . To view the Internet domain name of the OSS bucket, go to the OSS console. You can also directly select an OSS bucket under the same account.
	FC Domain	You must specify the Region and Domain Name of Function Compute. For more information, see Set a Function Compute domain name .
Region	All Regions Excluding Mainland China	If you select this option, no ICP filing is required.
	All Regions Including Mainland China	If you select this option, you must apply for an ICP license with the Ministry of Industry and Information Technology (MIIT). For more information, see Domain filing .

Parame	Option	Description
	Mainland China	If you select this option, you must apply for an ICP license with the Ministry of Industry and Information Technology (MIIT). For more information, see Domain filing .

5. Click Next.

After your CDN domain is reviewed and approved, you can view the domain name on the Domain Names page. If the domain is added, its state is displayed as Enabled.



Note:

- If you want to speed up the review process, submit a ticket.
- If your origin is in Alibaba Cloud ECS or OSS, the review takes less time to complete.
- After the CDN domain is added, Alibaba Cloud CDN assigns the CDN domain the corresponding CNAME address. The CDN service takes effect for the domain only after you add the corresponding CNAME record.

API operations

You can call API operations to manage CDN domains, as described in the following table.

Operation	Description
AddCdnDomain	Adds a CDN domain name.
DeleteCdnDomain	Removes a CDN domain name.
StopCdnDomain	Disables a CDN domain name.
StartCdnDomain	Enables a CDN domain name.
BatchStartCdnDomain	Enables one or more CDN domain names.
BatchSetCdnDomainConfig	Configures one or more CDN domain names.
ModifyCdnDomain	Modifies a CDN domain name.
DescribeUserDomains	Queries all domain names and their status under your account.
DescribeCdnCertificateList	Queries the list of certificates.

Operation	Description
DescribeDomainCertificateInfo	Queries details about a specified CDN domain certificate.
DescribeCdnDomainDetail	Queries the basic configuration information about a specified CDN domain name.
DescribeDomainsBySource	Queries all domain names of the specified origin sites under your account.
SetDomainServerCertificate	Enables or disables the certificate of a specified domain name, and modifies the certificate information.
BatchStopCdnDomain	Disables one or more CDN domain names.
DescribeCdnDomainConfigs	Queries the configuration of a specified CDN domain name.
DeleteSpecificConfig	Deletes the configuration of a specified CDN domain name.
DescribeUserVipsByDomain	Queries IP addresses of VIP accounts by domain name.

**Note:**

You can query the IP addresses of VIP users by domain name only through the API.

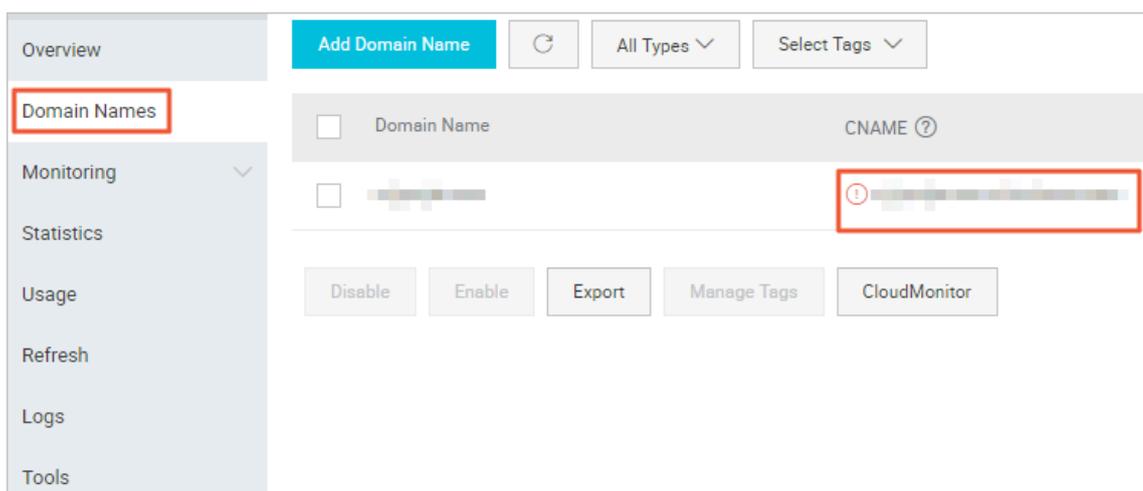
4 Configure a CNAME record

4.1 Configure a CNAME on Alibaba Cloud (HiCloud)

This topic describes how to configure a Canonical Name (CNAME). After you add a domain, Alibaba Cloud CDN assigns a CNAME address to the domain. You need to point the domain to its CNAME address so that CDN can direct the requests destined for the domain to CDN nodes.

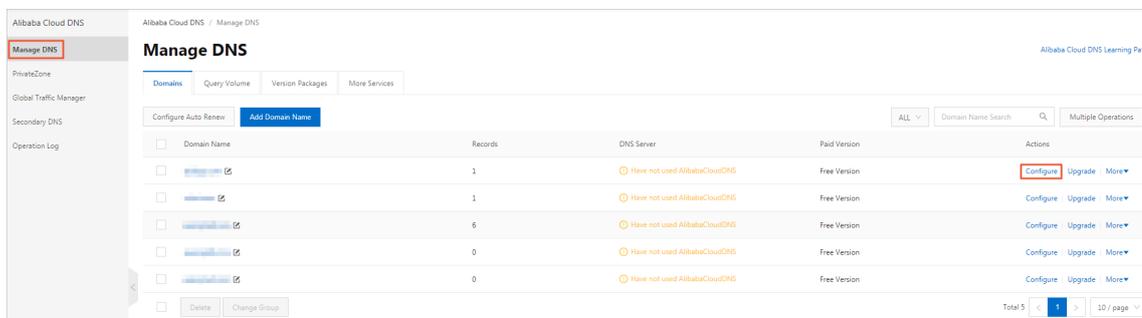
Procedure

1. Obtain the CNAME of the target domain name by completing the following steps:
 - a) Log on to the [Alibaba Cloud CDN console](#).
 - b) Navigate to the Domain Names page, find the target domain name and in the CNAME column copy the CNAME.

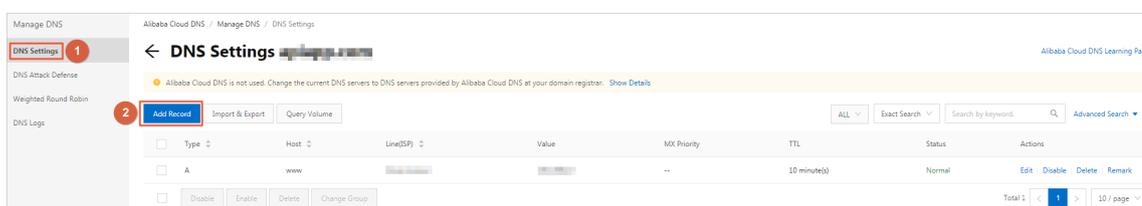


2. Add a CNAME record to the DNS by completing the following steps:

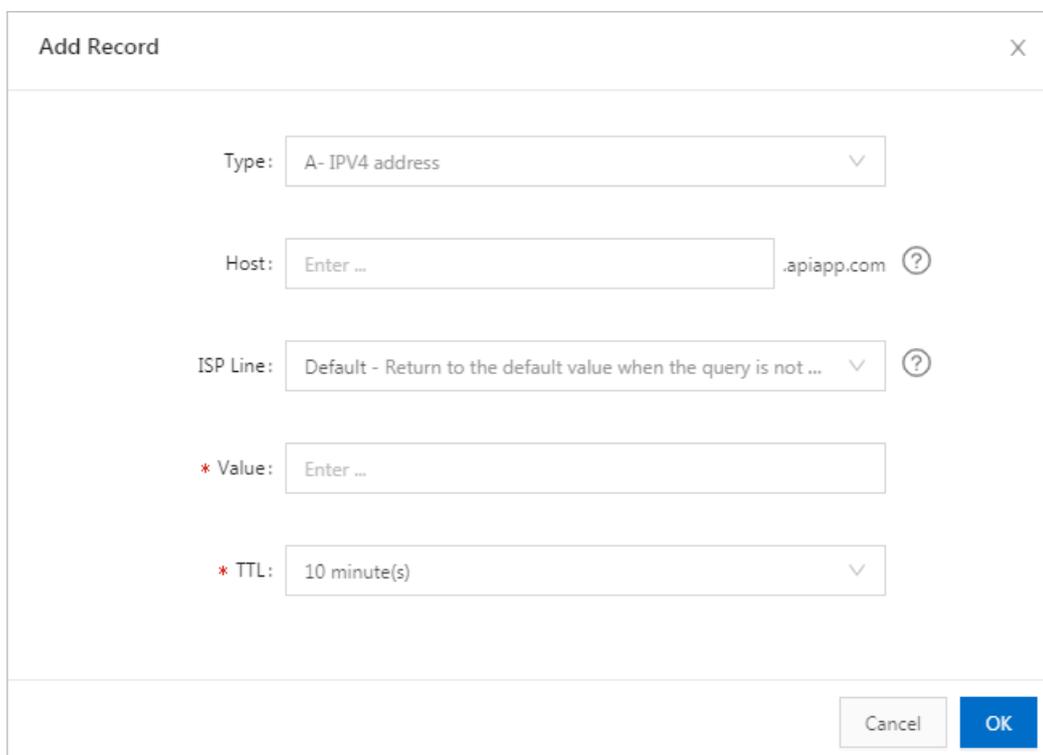
- a) Log on to the [Alibaba Cloud DNS console](#).
- b) On the Manage DNS page, click the Domains tab, find the target domain name, and in the Actions column click Configure.



c) Click Add Record.



d) In the Add Record dialog box, set the parameters and click OK.



- **Type:** Select CNAME.
- **Host:** Enter the prefix of the domain name.

If the domain name is...	Then the host is...
testcdn . aliyun . com	testcdn
www . aliyun . com	www
aliyun . com	@
*. aliyun . com	*

- **ISP Line:** Retain the default value.
- **Value:** Enter the CNAME obtained in Step 1.
- **TTL:** Retain the default value.

The CDN service takes effect immediately after the new CNAME record takes effect.



Note:

- A new CNAME record takes effect immediately, but a modified CNAME record takes effect within 72 hours.
- After you add a CNAME record, it takes about 10 minutes to update the status of the corresponding domain name.

3. Verify that the new CNAME record takes effect.

The time when a new CNAME record takes effect varies depending on the DNS provider.

You can run the `ping` or `dig` command to check whether the target domain is accessible. If the access request is directed to `*.* kunlun *. com`, the CNAME record and CDN service both take effect.

```
C:\Users\>ping .cn
Ping .cn.w.kunlunar.com [ 06 ] 32 :
: 06 : =32 =16ms TTL=105
: 06 : =32 =12ms TTL=105
: 06 : =32 =12ms TTL=105
: 06 : =32 =14ms TTL=105
```

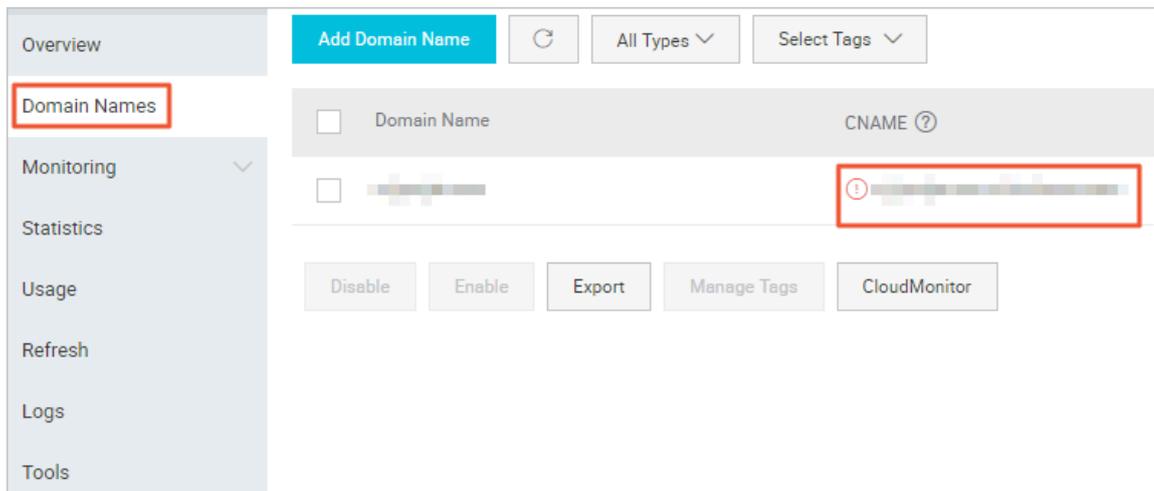
4.2 Configure a CNAME on Tencent Cloud (DNSPod)

This topic describes how to configure a CNAME on Tencent Cloud (formerly DNSPod). After you add a domain, Alibaba Cloud CDN assigns a CNAME address to the domain.

You must point the domain to its CNAME address so that CDN can direct the requests destined for the domain to CDN nodes.

Procedure

1. Obtain the CNAME of the target domain name. To obtain the CNAME, complete these steps:
 - a) Log on to the [Alibaba Cloud CDN console](#).
 - b) In the left-side navigation pane, click Domain Names, then find the target domain name. In the CNAME column, copy the CNAME.



2. Add a CNAME record to Tencent Cloud (DNSPod). To add a CNAME record to Tencent, complete these steps:
 - a) Log on to the DNS console of Tencent Cloud (DNSPod).
 - b) On the DNS page for the target domain name, click the button for adding a CNAME record.
 - c) Set the following parameters:
 - Type: Select CNAME.
 - Host: Enter the prefix of the domain name.
 - ISP Line: Retain the default value.
 - Value: Enter the CNAME obtained in Step 1.
 - TTL: Retain the default value.
3. Save the settings.



Note:

- A new CNAME record takes effect immediately, but a modified CNAME record takes effect within 72 hours.
- After you add a CNAME record, it takes about 10 minutes to update the status of the corresponding domain name.

4. Verify that the new CNAME record takes effect.

The time when a new CNAME record takes effect varies depending on the DNS provider.

You can run the `ping` or `dig` command to check whether the target domain is accessible. If the access request is directed to `*.*kunlun*.com`, the CNAME record and CDN service both take effect.



```
C:\Users\>ping .cn

: Ping 10.10.10.10.cn.w.kunlunar.com [10.10.10.10:6] Data with 32Bytes:
: 10.10.10.10: 32 bytes from 10.10.10.10: icmp: 16ms TTL=105
: 10.10.10.10: 32 bytes from 10.10.10.10: icmp: 12ms TTL=105
: 10.10.10.10: 32 bytes from 10.10.10.10: icmp: 12ms TTL=105
: 10.10.10.10: 32 bytes from 10.10.10.10: icmp: 14ms TTL=105
```

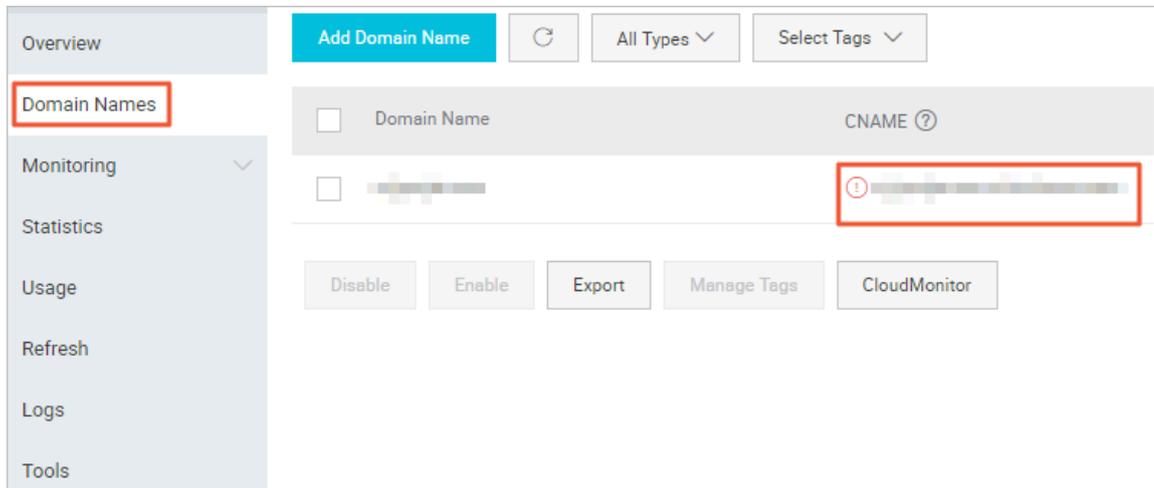
4.3 Configure a CNAME on Xinnet

This topic describes how to configure a CNAME on Xinnet. After you add a domain, Alibaba Cloud CDN assigns a CNAME address to the domain. You must point the domain to its CNAME address so that CDN can direct the requests destined for the domain to CDN nodes.

Procedure

1. Obtain the CNAME of the target domain name. To obtain the CNAME, complete these steps:

- a) Log on to the [Alibaba Cloud CDN console](#).
- b) In the left-side navigation pane, choose Domain Names, find the target domain name and in the CNAME column copy the CNAME.



2. Add a CNAME record to Xinnet. To add a CNAME record to Xinnet, complete these steps:

- a) Log on to the DNS console of Xinnet.
- b) On the DNS page for the target domain name, click the button for adding a CNAME record.
- c) Set the following parameters:
 - **Type:** Select CNAME.
 - **Host:** Enter the prefix of the domain name.
 - **ISP Line:** Retain the default value.
 - **Value:** Enter the CNAME obtained in Step 1.
 - **TTL:** Retain the default value.

d) Submit the settings.

The CDN service takes effect immediately after the new CNAME record takes effect.



Note:

- A new CNAME record takes effect immediately, but a modified CNAME record takes effect within 72 hours.

