

HTTPDNS

Getting Started

Product Documentation



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Overview

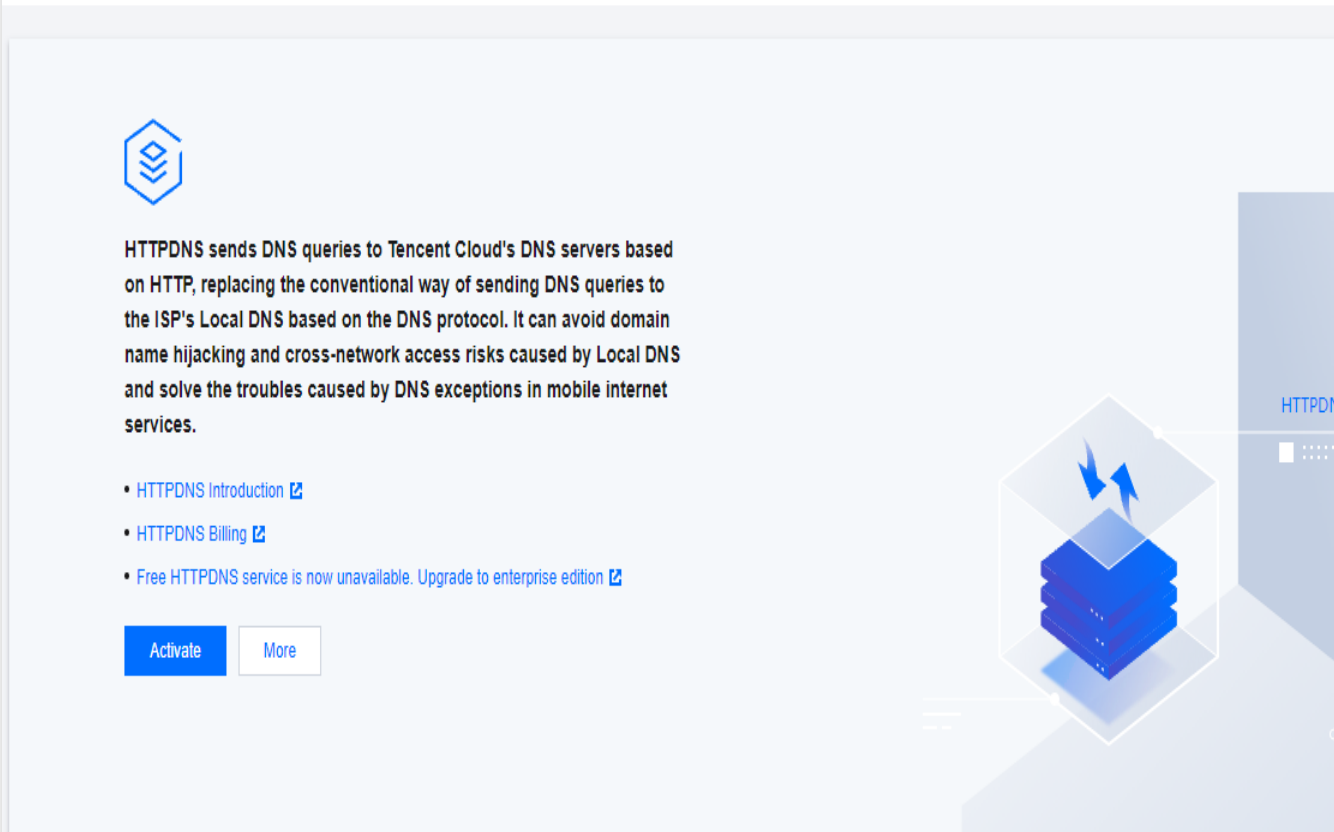
This document describes how to activate HTTPDNS.

Directions

Activating HTTPDNS

1. Log in to the [HTTPDNS console](#).
2. On the **Overview** page, click **Activate**.

Overview [Join HTTPDNS group](#) [Feedback](#) [Get limited-time offer](#)



The screenshot shows the HTTPDNS overview page. It features a hexagonal icon with a cloud and server layers. The main text explains that HTTPDNS sends DNS queries to Tencent Cloud's servers via HTTP, replacing the traditional DNS protocol. It lists benefits like avoiding domain hijacking and solving mobile internet issues. There are three links: 'HTTPDNS Introduction', 'HTTPDNS Billing', and 'Free HTTPDNS service is now unavailable. Upgrade to enterprise edition'. At the bottom, there are 'Activate' and 'More' buttons. On the right, there is a 3D server rack graphic with the label 'HTTPDNS'.

HTTPDNS sends DNS queries to Tencent Cloud's DNS servers based on HTTP, replacing the conventional way of sending DNS queries to the ISP's Local DNS based on the DNS protocol. It can avoid domain name hijacking and cross-network access risks caused by Local DNS and solve the troubles caused by DNS exceptions in mobile internet services.

- [HTTPDNS Introduction](#)
- [HTTPDNS Billing](#)
- [Free HTTPDNS service is now unavailable. Upgrade to enterprise edition](#)

[Activate](#) [More](#)

3. In the **Activate** pop-up window, indicate your agreement to HTTPDNS Terms of Service and click **Confirm**.

Activate ✕

After you activate the service, the system will issue an authorization ID and a key for development.
If you already have an authorization ID, [bind it](#)

[Agree HTTPDNS Terms of Service](#)

[Confirm](#) [Cancel](#)

Note:

After activating the service, you will be assigned the authorization ID and key information, which can be viewed in the [HTTPDNS console](#).

Connecting to HTTPDNS

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Note:

If you don't use the SDK, you need to **retain the local DNS as a backup** during connection. For more information, see [Best Practice of API Connection](#).

Currently, only the DES encryption method is available (service IP: `43.132.55.55`). HTTPS and AES encryption methods are not available.

1. Register an account

First, you need to activate HTTPDNS in the [HTTPDNS console](#) as instructed in [Activating HTTPDNS](#).

2. Add a domain

After activating HTTPDNS, you need to add a domain to be resolved in the HTTPDNS console as instructed in [Adding a Domain](#) before you can use it.

3. Get the configuration information

After activating the service, you will be assigned the configuration information such as authorization ID, AES and DES encryption keys, and HTTPS token, which can be viewed in the [HTTPDNS console](#). For more information, see [Configuration Information Description](#).

4. Resolve the domain with the HTTPDNS API

After getting the authorization ID, encryption key, and HTTPS token, you can request DNS query in the following ways:

Note:

DNS query encrypted with DES, which is fast

DNS query encrypted with AES, which delivers balanced effect and speed

DNS query encrypted with HTTPS, which delivers the best effect but is slightly slow

Single query

DES/AES encryption: `http://43.132.55.55/d?dn=[encrypted domain string]&id=[authorization ID]&ttd=1` . For the request format, see [AES/DES Encryption/Decryption](#).

HTTPS encryption: `https://43.132.55.56/d?dn=[domain]&token=[HTTPS Token]&ttd=1` . For the request format, see [Querying with HTTP Request Methods](#).

Batch query

HTTPDNS supports batch querying domains. You can enter multiple domains separated by commas. The query results will be separated by `\\n` . For example, you can

query `cloud.tencent.com, www.qq.com, www.dnspod.cn` at the same time.

DES/AES encryption: For the request format, see [AES/DES Encryption/Decryption](#).

HTTPS encryption: For the request format, see [Querying with HTTPS Request Methods](#).

Limits:

Up to 8 domains are supported at a time, and the returned value will not exceed `8 * 1024` bytes.

5. Modify the client

Change the client DNS to HTTPDNS. Note that you need to **retain the local DNS as a backup** during connection.

For more information, see [Best Practice of API Connection](#).

6. Apply for use with SDK (optional)

You can [connect to HTTPDNS with the SDK](#). Tencent Cloud's proprietary **HTTPDNS SDKs** are highly customizable and can be directly embedded in applications. With mature and stable features, they have been widely used on Tencent's various types of game clients.

Note:

`dnsId` in the SDK parameters is the authorization ID.

`dnsKey` in the SDK parameters is the AES/DES encryption key (i.e., key for the authorization ID), which can be selected based on your encryption method.

`token` in the SDK parameters is the HTTPS token.

`appkey` in the SDK parameters is the `AppID` . If you need to get the `AppID` information, see [SDK Activation Process](#).

For more information, see the following documents:

[SDK for iOS >>](#)

[SDK for Android >>](#)