

# Private DNS

## Getting Started

### Product Documentation



## Copyright Notice

©2013-2024 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

## Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

## Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

# Contents

## Getting Started

Activating Private DNS

Creating Private Domain

Deleting Private Domain

Modifying Associated VPC

# Getting Started

## Activating Private DNS

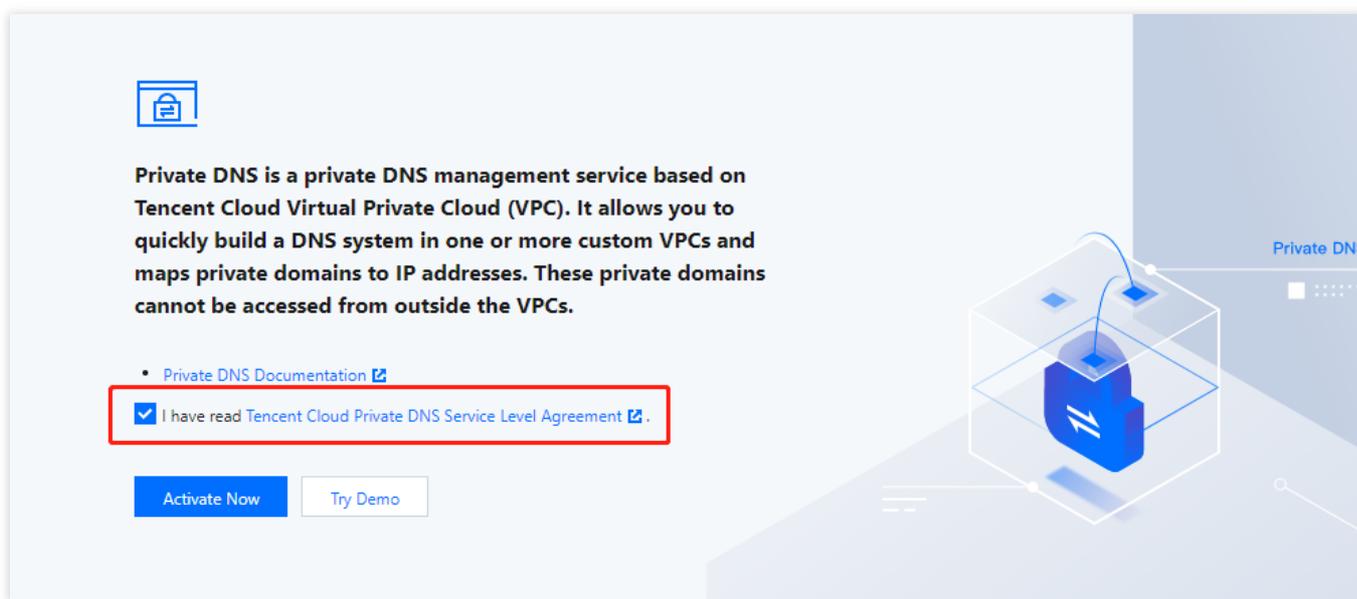
Last updated : 2024-12-31 16:10:18

### Overview

Private DNS is a pay-as-you-go service. To use it, you need to confirm the agreement and activate it first. This document describes how to activate and try out the Private DNS service.

### Activating Private DNS

1. Log in to the [Private DNS console](#).
2. On the Private DNS overview page, read the Private DNS Service Level Agreement and select **I have read Tencent Cloud Private DNS Service Level Agreement** as shown below:



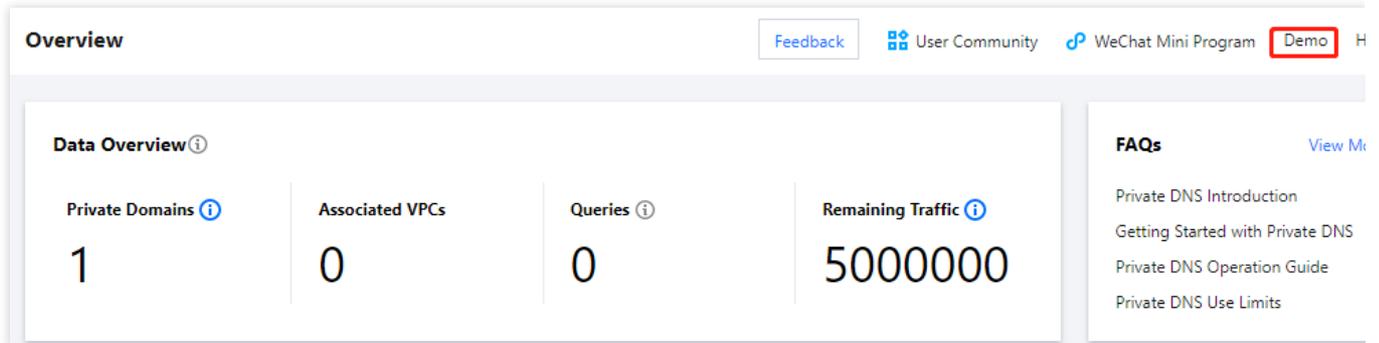
3. Click **Activate Now**.

#### Note:

Key account customers can enjoy exclusive services. Please contact your sales rep or architect to activate the service.

## Trying out Private DNS

1. Log in to the [Private DNS console](#) to enter the **Overview** page.
2. After the Private DNS service is successfully activated, click **Demo** in the top-right corner to try it out as shown below:



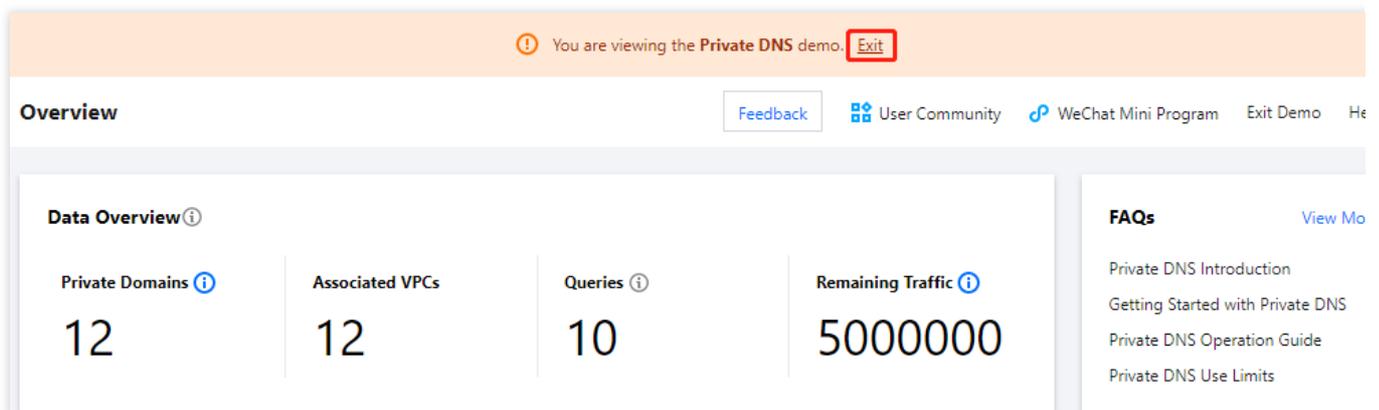
The screenshot shows the 'Overview' page of the Private DNS console. At the top right, there are links for 'Feedback', 'User Community', 'WeChat Mini Program', and 'Demo' (highlighted with a red box). The main content area is divided into two sections. The left section, titled 'Data Overview', contains four metrics: 'Private Domains' (1), 'Associated VPCs' (0), 'Queries' (0), and 'Remaining Traffic' (5000000). The right section, titled 'FAQs', includes links to 'Private DNS Introduction', 'Getting Started with Private DNS', 'Private DNS Operation Guide', and 'Private DNS Use Limits'.

## Exiting Demo

If you need to exit the demo, click **Exit** as shown below:

### Note:

The demo only provides simulated data display and feature preview, while related features cannot be used.



The screenshot shows the 'Overview' page of the Private DNS console with a warning banner at the top: 'You are viewing the Private DNS demo. Exit' (where 'Exit' is highlighted with a red box). The main content area is identical to the previous screenshot, but the 'Private Domains' metric is now 12, 'Associated VPCs' is 12, and 'Queries' is 10. The 'Remaining Traffic' remains at 5000000. The 'FAQs' section is also present.

# Creating Private Domain

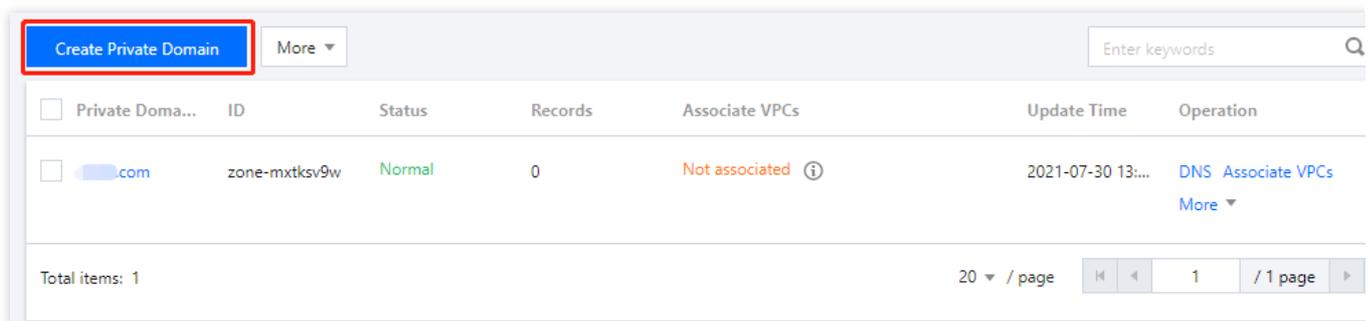
Last updated : 2024-12-31 16:10:18

## Overview

This document describes how to create a private domain in the Private DNS console.

## Directions

1. Log in to the [Private DNS console](#) and click **Private Domain List** on the left sidebar to enter the private domain list.
2. In the **Private Domain List**, click **Create Private Domain** as shown below:



The screenshot shows the Private Domain List interface. At the top left, there is a blue button labeled 'Create Private Domain' which is highlighted with a red rectangular box. To its right is a 'More' dropdown menu. On the top right, there is a search bar with the placeholder text 'Enter keywords' and a magnifying glass icon. Below these elements is a table with the following columns: 'Private Doma...', 'ID', 'Status', 'Records', 'Associate VPCs', 'Update Time', and 'Operation'. The table contains one row with the following data: a checkbox, a domain name ending in '.com', ID 'zone-mxtksv9w', Status 'Normal', Records '0', Associate VPCs 'Not associated' with an information icon, Update Time '2021-07-30 13:...', and Operation 'DNS Associate VPCs More'. At the bottom left, it says 'Total items: 1'. At the bottom right, there is a pagination control showing '20 / page', '1 / 1 page', and navigation arrows.

<input type="checkbox"/>	Private Doma...	ID	Status	Records	Associate VPCs	Update Time	Operation
<input type="checkbox"/>	...com	zone-mxtksv9w	Normal	0	Not associated ⓘ	2021-07-30 13:...	DNS Associate VPCs More ▾

3. On the **Create Private Domain** page, enter the private domain information as shown below:

Domain

Only supports domains that can be registered on the public network, that is, comply with IANA standards, such as domain.com

Associate VPCs

**Select VPCs**

South China (Guangzhou)

<input type="checkbox"/>	ID/Name	Region
Loading...		

**Selected (0)**



No data yet.

If the existing VPCs do not meet your requirements, go to the [VPC console](#).

Tags (Optional)

[+ Add](#)

If you have not created any tag or the existing tags do not meet your requirements, go to the [Tag console](#) to create one.

Remarks (Optional)

Subdomain Recursive DNS  Disable  Enable

**Domain:** enter the custom private domain name you want to create, i.e., the private domain name you want to associate with and use in a VPC.

**Note:**  
You can only create standard TLD domain names that comply with the IANA specifications.  
After creating the private domain name, you need to set a DNS record for it and associate it with a VPC, and the record takes effect only in the associated VPC.

**Associate VPCs:** select a VPC created in one of the regions currently supported by Private DNS for association.  
Private domain names with the same name cannot be associated with the same VPC.

**Note:**  
For a better experience, we recommend you create a private domain name and set a DNS record for it first before associating a VPC.

If no VPCs are displayed in the currently selected region, please create one in the [VPC console](#).

If existing VPCs cannot meet your needs, you can modify them in the [VPC console](#).

**Tags:** select a tag, through which you can categorize, search for, and aggregate Tencent Cloud resources. For more information, please see [Product Overview](#).

**Remarks:** enter the remarks of the private domain.

**Subdomain Recursive DNS:** select an option as needed. This feature is **disabled** by default. For more information, please see [Subdomain Recursive DNS](#).

4. Click **Confirm** to create the private domain.

## Subsequent Operations

For a private domain that has DNS records added, the value of **Records** in the private domain list represents the number of DNS records of the private domain.

In the [Private DNS console](#), click the name of the "private domain" you need to resolve to enter the DNS records page, where you can add records for the private domain. For detailed directions, please see [Setting DNS Record](#).

# Deleting Private Domain

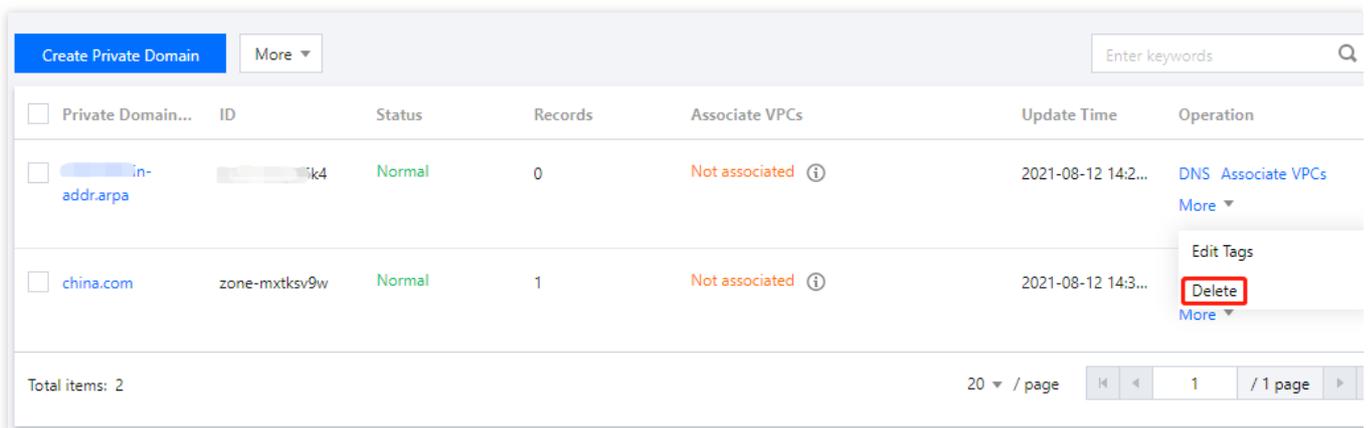
Last updated : 2024-12-31 16:10:18

## Overview

This document describes how to delete a private domain.

## Directions

1. Log in to the [Private DNS console](#) and click **Private Domain List** on the left sidebar to enter the private domain list.
2. In the **Private Domain List**, select the private domain to be deleted and click **More > Delete** as shown below:

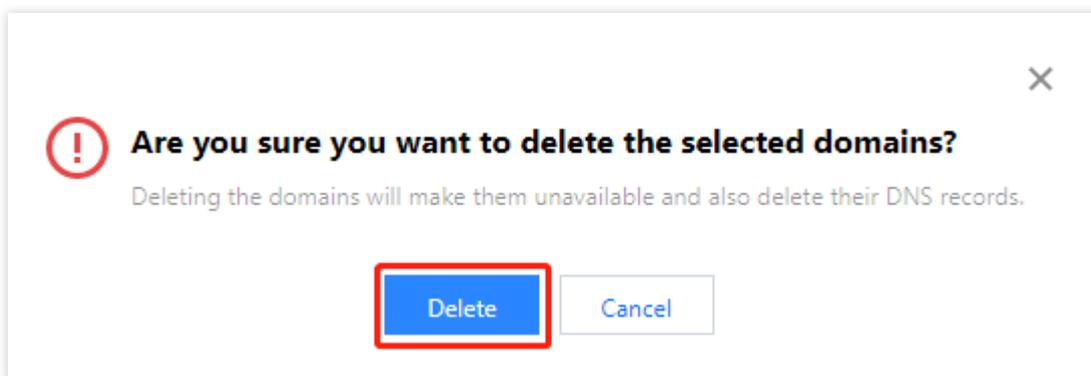


<input type="checkbox"/>	Private Domain...	ID	Status	Records	Associate VPCs	Update Time	Operation
<input type="checkbox"/>	in-addr.arpa	...	Normal	0	Not associated ⓘ	2021-08-12 14:2...	DNS Associate VPCs More ▾
<input type="checkbox"/>	china.com	zone-mxtksv9w	Normal	1	Not associated ⓘ	2021-08-12 14:3...	Edit Tags <b>Delete</b> More ▾

Total items: 2

20 ▾ / page

3. In the pop-up window, click **Delete** as shown below:



### Note:

Note that deleting a private domain will also delete all its DNS records.

When you delete a private domain that is associated with a VPC, you need to disassociate it from the VPC first before you can delete it.

# Modifying Associated VPC

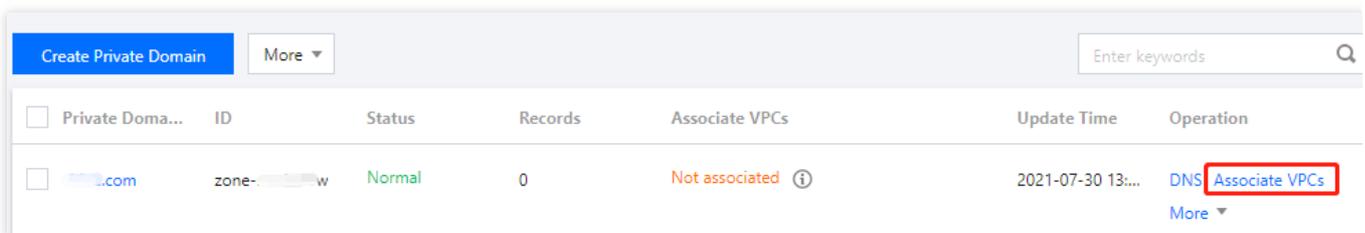
Last updated : 2024-12-31 16:10:19

## Overview

This document describes how to modify the VPC associated with a private domain.

## Directions

1. Log in to the [Private DNS console](#) and click **Private Domain List** on the left sidebar to enter the private domain list.
2. In the **Private Domain List**, select the private domain for which to modify the associated VPC and click **Associate VPCs** as shown below:



<input type="checkbox"/>	Private Doma...	ID	Status	Records	Associate VPCs	Update Time	Operation
<input type="checkbox"/>	...com	zone-...w	Normal	0	Not associated ⓘ	2021-07-30 13:...	DNS <b>Associate VPCs</b> More ▾

3. In the **Modify Associated VPCs** pop-up window, modify the associated VPCs according to your actual needs as shown below:

### Modify Associated VPCs

Select VPCs

South China (Guangzhou)

<input type="checkbox"/>	ID/Name	Region
Loading...		

Selected (0)



No data yet.

If the existing VPCs do not meet your requirements, go to the [VPC console](#).

**Note:**

Private domains with the same name cannot be associated with the same VPC. If existing VPCs cannot meet your needs, you can modify them in the [VPC console](#).

Even if you delete related VPC resources in the VPC console, you still need to manually disassociate them in the Private DNS console.

4. Click **Save** to complete the modification.