Alibaba Cloud

Domains

Whois lookup

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Document conventions

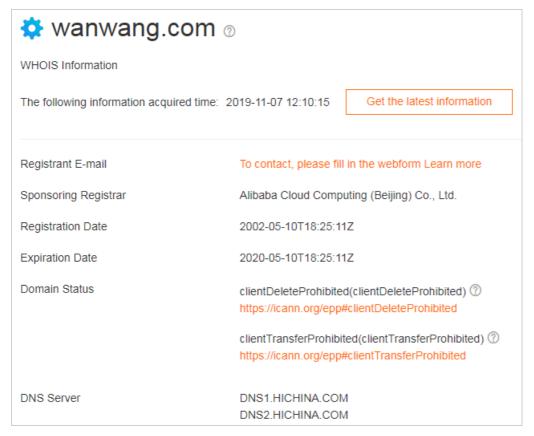| Style	Description	Example
⚠ Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	⚠ **Danger:** Resetting will result in the loss of user configuration data.
🔔 Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	🔔 **Warning:** Restarting will cause business interruption. About 10 minutes are required to restart an instance.
🔊 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	🔊 **Notice:** If the weight is set to 0, the server no longer receives new requests.
⊘ Note	A note indicates supplemental instructions, best practices, tips, and other content.	⊘ **Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings**> **Network**> **Set network type**.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click **OK.**
Courier font	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

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1.WHOIS lookup

WHOIS lookup allows you to query registration information about a domain name, such as the domain name registrar, domain name status, registration date, and expiration date.

> ⑦ **Note**   You cannot implement WHOIS lookup for a domain name with a suffix that is not supported by Alibaba Cloud. In this case, you can directly visit the official website of the domain name registrar for lookup.

Details of WHOIS lookup

If Alibaba Cloud provides the registration service for a domain name suffix, you can go to the WHOIS page, enter the target domain name, and click Search to query this domain name. The following information is returned for a domain name.

- Registrant Email:

  To comply with the Temporary Specification for gTLD Registration Data (Temporary Specification) issued by Internet Corporation for Assigned Names and Numbers (ICANN), and the compliance requirements stated in General Data Protection Regulation (GDPR), Alibaba Cloud WHOIS no longer provides personal information about registrants from May 25, 2018. Relevant services were therefore suspended from May 25, 2018. For more information, see Alibaba Cloud Domain Privacy & Proxy Service will be suspended.

- Sponsoring Registrar: the current registrar of the domain name, such as Alibaba Cloud Computing Ltd. d/b/a HiChina (www.net.cn).

- Registration Date: the date when the domain name was registered.

- Expiration Date: the date when the domain name expires. Domain name registrants must renew their domain names in time. For more information, see Renew a domain name.

- Domain Name Status:

  the status of the domain name, which is related to specific security settings of the domain name. For example, if a domain name is configured to prohibiting transfer or deletion, the value of Domain Status is clientTransferProhibited or clientDeleteProhibited. The status of a domain name changes at different stages, such as registration and expiration. For more information, see Domain name statuses.

- DNS Server: the current Domain Name System (DNS) server of the domain name. For more information about how to change the DNS server, see Change the DNS server for a domain name.

> ⑦ Note
> - WHOIS lookup results for different types of domain names contain different registration information items. For more information about each item, see Domain name registration information.
> - For more information about WHOIS lookup results, see FAQ about the Temporary Specification of ICANN and adjustments of the WHOIS output.

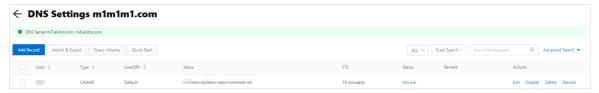# 2.Query the resolution information of domain names

After you register a domain name with Alibaba Cloud and complete the real-name verification for the domain name, you must resolve the domain name to allow access to the website to which the domain name directs. You can query the resolution information of the domain name from the service that you use to resolve the domain name. The resolution information includes the types of Domain Name System (DNS) records, the values of DNS records, and the resolution status. If you use Alibaba Cloud DNS to resolve your domain name, refer to the following procedure to query and manage the resolution information.

Procedure

1. Use **the Alibaba Cloud account to which the domain name belongs** to log on to the Alibaba Cloud DNS console.

2. On the **Manage DNS** page, click **Configure** in the Actions column of the domain name.

3. On the **DNS Settings** page, view the DNS records and resolution status of the domain name.

4. Optional. Modify an existing DNS record. If an existing DNS record is invalid and you want to modify it, click **Edit** in the **Actions** column of the record to modify it in the Alibaba Cloud DNS console. For more information, see Modify a DNS record.

5. Optional. Add a new DNS record. If no DNS records exist or you want to add a new DNS record for the domain name, click **Add Record** in the upper-left corner to add a DNS record to the Alibaba Cloud DNS console. For more information, see AddRecord.

6. Optional. Remove an existing DNS record. If an existing DNS record is invalid and you want to remove it, click **Delete** in the **Actions** column of the record to remove it from the Alibaba Cloud DNS console. For more information, see DeleteRecord.

3.Domain name statuses

You can check the domain name statuses and their descriptions through WHOIS lookup according to this topic. This helps you understand the domain name security information and the reason for domain name unavailability, so that you can take appropriate measures.

- A newly registered domain name can be in one of the following statuses.

Domain name status	Description
addPeriod	The new registration period set by the domain name registry. This status occurs within five days after the registration and it does not affect the use of the domain name. After five days, the status will be automatically revoked.
ok	The normal state, which indicates that the domain name can be normally used. ② **Note** When the domain name is in another status, it is not displayed as ok. However, this does not definitely mean that the domain name is abnormal.

- When a domain name is locked for security reasons, it can be displayed as one of the following statuses.

Domain name status	Description
clientDeleteProhibited	The deletion prohibition set by the domain name registrar. In this status, the domain name cannot be deleted.
serverDeleteProhibited	The deletion prohibition set by the domain name registry.In this status, the domain name cannot be deleted.
clientUpdateProhibited	The update prohibition set by the domain name registrar. In this status, you cannot modify the domain name information, including the registrant, administrative contact, technical contact, billing contact, and Domain Name System (DNS) server information. However, you can set or update resolution records.
serverUpdateProhibited	The update prohibition set by the domain name registry.In this status, you cannot modify the domain name information, including the registrant, administrative contact, technical contact, billing contact, and Domain Name System (DNS) server information. However, you can set or update resolution records.
clientTransferProhibited	The transfer prohibition set by the domain name registrar. In this status, the domain name cannot be transferred to another domain name registrar.

Domain name status	Description
serverTransferProhibited	The transfer prohibition set by the domain name registry. In this status, the domain name cannot be transferred to another domain name registrar.The domain name registry may attach this status to some new domain names, prohibiting the domain names from being transferred to other domain name registrars within 60 days. This status will be automatically revoked after the 60 days. The domain name registry also attaches this status to the domain names that are involved in arbitration or litigation. This status will be revoked after the arbitration or litigation ends.

- The following table lists other statuses that pertain to the resolution prohibition and renewal prohibition.

Domain name status	Description
pendingVerification	The registration verification period. The domain name has not been approved after registration. You must provide materials for real-name verification within five days after registration. If you do not submit the materials within the five days, the domain name enters the serverHold state.
clientHold	Domain name resolution is suspended by the domain name registrar. The resolution of domain names in the clientHold state is suspended. You need to contact the domain name registrar to revoke the status.
serverHold	Domain name resolution is suspended by the domain name registry. This status occurs when the real-name verification of a .cn domain name fails. It is revoked if the real-name verification is completed within the validity period.
inactive	The domain name is inactive. The domain name cannot be resolved because the DNS server was not specified during registration. You must configure the DNS server at the registrar.
clientRenewProhibited/serverRenewProhibited	The renewal prohibition set by the domain name registrar or the domain name registry. Domain names in this state cannot be renewed. The domain names in this state may be in arbitration or disputes. You need to contact the registrar to learn the reason.
pendingTransfer	The pending transfer set by the domain name registry. The domain name is being transferred to another domain name registrar.
redemptionPeriod	The redemption period set by the domain name registry. When a domain name is in the redemption period, you can contact the domain name registrar to redeem the domain name at a higher price before the end of the redemption period.
pendingDelete	The deletion or redemption period set by the domain name registry. The redemption period of an internationalized domain name ends and the domain name is to be deleted. After deletion, the domain name will be available for registration again.

4.Domain name registration information

When you register a domain name, information about the registrant, administrative contact, technical contact, and billing contact is required. This topic describes the required information for domain name registration.

Registrant information and description

A registrant is the owner of a domain name. You need to enter the authentic and complete registrant information.

Registrant information	Description
Domain Name	The domain name.
Name Server	The Domain Name System (DNS) server that provides resolution services. When you register a domain name with Alibaba Cloud, we recommend that you use the default DNS server.
Registrant ID	The ID of the registrant.
Registrant Name	The name of the registrant. Ensure that the name is correct and authentic.
Registrant Organization	The organization to which the registrant belongs.
Registrant Address	The contact address of the registrant.
Registrant City	The city where the registrant resides.
Registrant Province/State	The province or state where the registrant resides.
Registrant Postal Code	The zip code of the city where the registrant resides.
Registrant Country Code	The code of the country or region to which the registrant belongs.
Registrant Phone Number	The phone number of the registrant. Ensure that the phone number is correct and authentic.
Registrant Fax	The fax number of the registrant.
Registrant Email	The email address of the registrant. Ensure that the email address is correct and authentic.

Administrative contact information and description

An administrative contact is typically a customer service personnel assigned by their company for domain name management. The administrative contact can modify most information about a domain name, including the address, email address, phone number, and fax number of the registrant, administrative contact information, technical contact information, billing contact information, and DNS servers.

Administrative contact information	Description
Administrative ID	The ID of the administrative contact.
Administrative Name	The name of the administrative contact.
Administrative Organization	The organization to which the administrative contact belongs.
Administrative Address	The address of the administrative contact.
Administrative City	The city where the administrative contact resides.
Administrative Province/State	The province or state where the administrative contact resides.
Administrative Postal Code	The zip code of the city where the administrative contact resides.
Administrative Country Code	The code of the country or region to which the administrative contact belongs.
Administrative Phone Number	The phone number of the administrative contact.
Administrative Fax	The fax number of the administrative contact.
Administrative Email	The email address of the administrative contact.

Technical contact information and description

Permissions of technical contacts are similar to those of administrative contacts. Technical contacts are typically assigned by Internet Service Providers (ISPs).

Technical contact information	Description
Technical ID	The ID of the technical contact.
Technical Name	The name of the technical contact.
Technical Organization	The organization to which the technical contact belongs.
Technical Address	The address of the technical contact.
Technical City	The city where the technical contact resides.
Technical Province/State	The province or state where the technical contact resides.

Technical contact information	Description
Technical Postal Code	The zip code of the city where the technical contact resides.
Technical Country Code	The code of the country or region to which the technical contact belongs.
Technical Phone Number	The phone number of the technical contact.
Technical Fax	The fax number of the technical contact.
Technical Email	The email address of the technical contact.

Billing contact information and description

A billing contact pays for domain names.

Billing contact information	Description
Billing ID	The ID of the billing contact.
Billing Name	The name of the billing contact.
Billing Organization	The organization to which the billing contact belongs.
Billing Address	The address of the billing contact.
Billing City	The city where the billing contact resides.
Billing Province/State	The province or state where the billing contact resides.
Billing Postal Code	The zip code of the city where the billing contact resides.
Billing Country Code	The code of the country or region to which the billing contact belongs.

DNS servers

DNS servers provide domain name resolution services. Typically, at least two servers are required to ensure the continuity of Domain Name Service. DNS servers must be authentic and valid servers connected to the Internet. These servers provide DNS resolution services for registered domain names, for example, mail exchanger records (MX records) of each domain name and IP addresses of each server.