Alibaba Cloud Domains

Domain security FAQs

Issue: 20200630

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Document conventions

Style	Description	Example
	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.
	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.
	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.
	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]

Style	Description	Example
{} or {a|b}	This format is used for a required value, where only one item can be selected.	switch {active|stand}

Contents

1 Best practices for domain name security

As available domain names become scarce, valuable domain names are becoming more expensive. Once a domain name has been stolen, it is difficult or impossible to retrieve it. As a registrant, you can take many anti-theft measures in advance.

Enable the security lock of a domain name registry

The security lock of domain name registries provides highest-level secure protection on domain names. It is a service provided by domain name registries at the root server level to protect domain names from being maliciously transferred, tampered with, or deleted. The security lock of domain name registries can be enabled for domain names with the following suffixes: .com, .cn, .net, .cc, .tv, .name, .中国 , and .gov.cn. After the security lock is enabled, the domain name can be set to one of the following states:

- serverDeleteProhibited
- serverTransferProhibited
- serverUpdateProhibited

You must unlock your domain name before changing its state or information.

Enable the transfer prohibition lock

If the domain name registrar of your domain name is Alibaba Cloud, you can enable the transfer prohibition lock for free. After the lock is enabled, your domain name is set to the clientTransferProhibited state, preventing your domain name from being maliciously transferred out from Alibaba Cloud.

> **Note:**
>
> You must disable the transfer prohibition lock before obtaining the domain name transfer password.

For more information about how to enable the transfer prohibition lock, see Enable the transfer prohibition lock.

Enable the update prohibition lock

If the domain name registrar of your domain name is Alibaba Cloud, you can enable the update prohibition lock for free. Enabling the update prohibition lock prevents your domain registration information from being maliciously tampered with, such as the domain name contact, phone number, address, fax, and email address. The update prohibition lock can

be enabled for domain names with the following suffixes: .com, .net, .org, .info, .biz, .mobi, .asia, .me, .so, .cc, .tv, .name, .tel, .cn, .中国, .公司, and .网络.

For more information about how to enable the update prohibition lock, see Enable the update prohibition lock.

Provide authentic registrant information

When a dispute arises over the ownership of a domain name, the domain name administration determines the ownership based on the registrant information. Therefore, you must provide the authentic information of yourself or your enterprise when registering a domain name. If your domain name is stolen, you can provide corresponding materials to retrieve your domain name.

Update your email address and phone number

Ensure that the Alibaba Cloud account, email address, and mobile number for your domain name are authentic and valid. Update the information soon after you change or deactivate your email address or mobile number. For more information, see #unique_6.

Ensure that the email address that you offered is secure. We recommend that you set a strong email password that contains uppercase and lowercase letters, symbols, and numbers to improve password security.

2 Enable the update prohibition lock

You can enable the update prohibition lock to protect your domain registration information from being tampered with.

Context

The update prohibition lock is a value-added domain name service provided by a domain name registrar. It protects your domain name information from being tampered with, such as the domain name contact information, address, phone number, email address, Domain Name System (DNS) information, and IP address of the domain name registration server.

> **Note:**
>
> You must disable the update prohibition lock before modifying your domain name information.

If your domain name is registered by Alibaba Cloud, you can enable the update prohibition lock online at any time. After enabling it, you can access WHOIS and check the domain name status. On the query result page, **Domain Status** is **clientUpdateProhibited**.
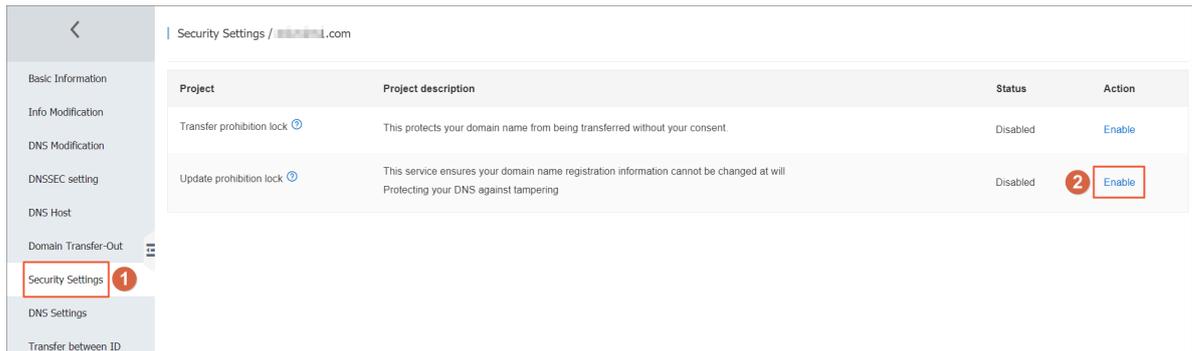
Procedure

1. Log on to the Alibaba Cloud Domains console.

2. On the **Domain Name List** page, find the target domain name and click **Manage** in the **Action** column.

3. In the left-side navigation pane, click **Security Settings**.

4. Click **Enable** for **Update prohibition lock**.

5. Obtain the email verification code and complete the email verification to enable the

update prohibition lock.

3 Enable the transfer prohibition lock

You can enable the transfer prohibition lock to prevent your domain name from being
maliciously transferred out from Alibaba Cloud.

Context

The transfer prohibition lock is a value-added domain name service. You can enable it to
prevent your domain name from being maliciously transferred out.

If your domain name is registered by Alibaba Cloud, you can enable the transfer prohibition
lock online at any time. After enabling it, you can access WHOIS and check the domain
name status. On the query result page, **Domain Status** is **clientTransferProhibited**.

Procedure

1. Log on to the Alibaba Cloud Domains console.

2. On the **Domain Name List** page, find the target domain name and click **Manage** in the
   Action column.
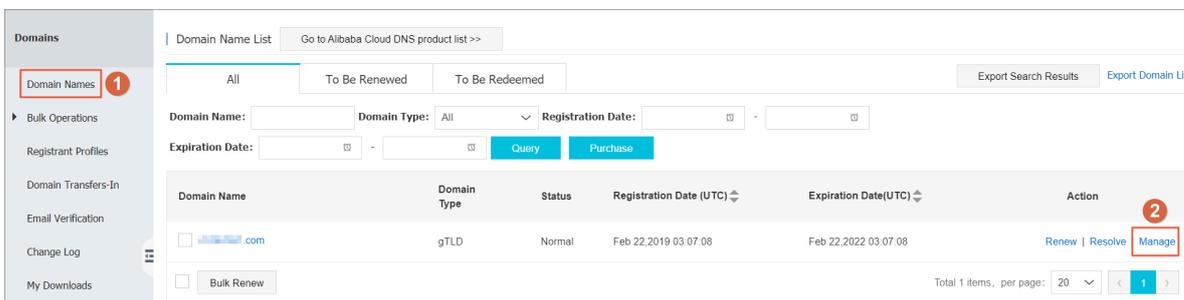
3. In the left-side navigation pane, click **Security Settings**.

4. Click **Enable** for **Transfer prohibition lock**.
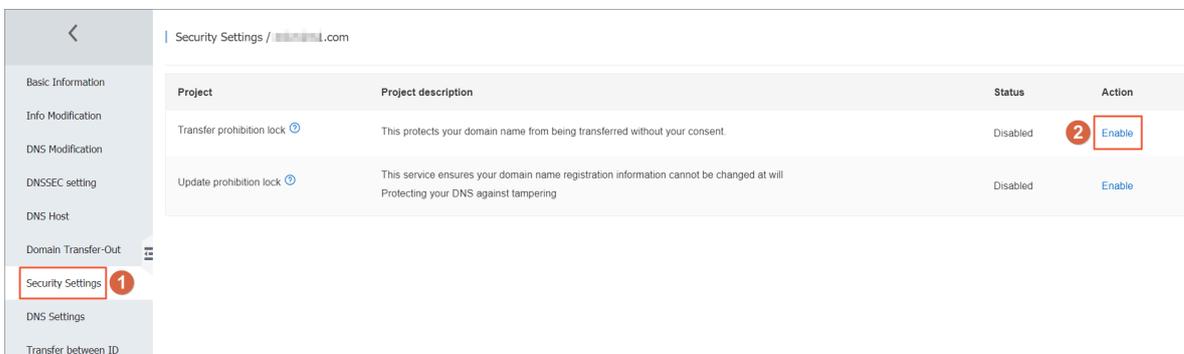
5. Obtain the email verification code and complete the email verification to enable the
   transfer prohibition lock.

4 Retrieve a domain name

This topic describes how to quickly retrieve a domain name that is not provided by Alibaba Cloud and has been added by another account when you want to add the domain name in the Alibaba Cloud DNS console.

For more information, see Retrieve a domain name.

5 Configure DNSSEC

Domain Name System Security Extensions (DNSSEC) can provide you with digital signatures to verify the destination URLs to which your domain names are redirected. You can add DNSSEC records to a domain name to authenticate the Domain Name System (DNS) servers that host your domain name. This helps you avoid attacks such as DNS cache poisoning. This topic describes how to add DNSSEC records in and synchronize the DNSSEC records to the Alibaba Cloud Domains console.

Limits on DNSSEC configurations

- Supported types of domain names

    Currently, Alibaba Cloud does not support DNSSEC for all domain names. Supported domain names include .com, .net, .cc, .tv, .name, .biz, and .club. The DNSSEC setting menu appears in the left-side navigation pane only for domain names that support DNSSEC.

- Domain name resolution

    You can follow the procedure in this topic to configure and view DNSSEC of domain names that are not resolved by Alibaba Cloud DNS servers. For more information about how to configure DNSSEC for domain names that are resolved by Alibaba Cloud DNS servers, see Configure DNS Security Extensions.

Procedure

1. Log on to the Alibaba Cloud Domains console.

2. On the **Domain Name List** page, find the target domain name and click **Manage** in the **Action** column.

3. In the left-side navigation pane, click **DNSSEC setting** to go to the **DNSSEC setting** page.

    > 📋 **Note:**
    >
    > If **DNSSEC settings** does not appear in the left-side navigation pane, your domain name does not support DNSSEC.

4. Optional: Click **Synchronize DS Record**.

    If the domain name is transferred to Alibaba Cloud from another domain name registrar and you have added DNSSEC records, click **Synchronize DS Record** to synchronize the DNSSEC records to the Alibaba Cloud Domains console.

5. Click **Add DS Record** to add a DNSSEC record.

> **Note:**
>
> You can add up to eight DNSSEC records for each domain name.

6. In the Add DS Record pane, set related parameters and click **Submit**.
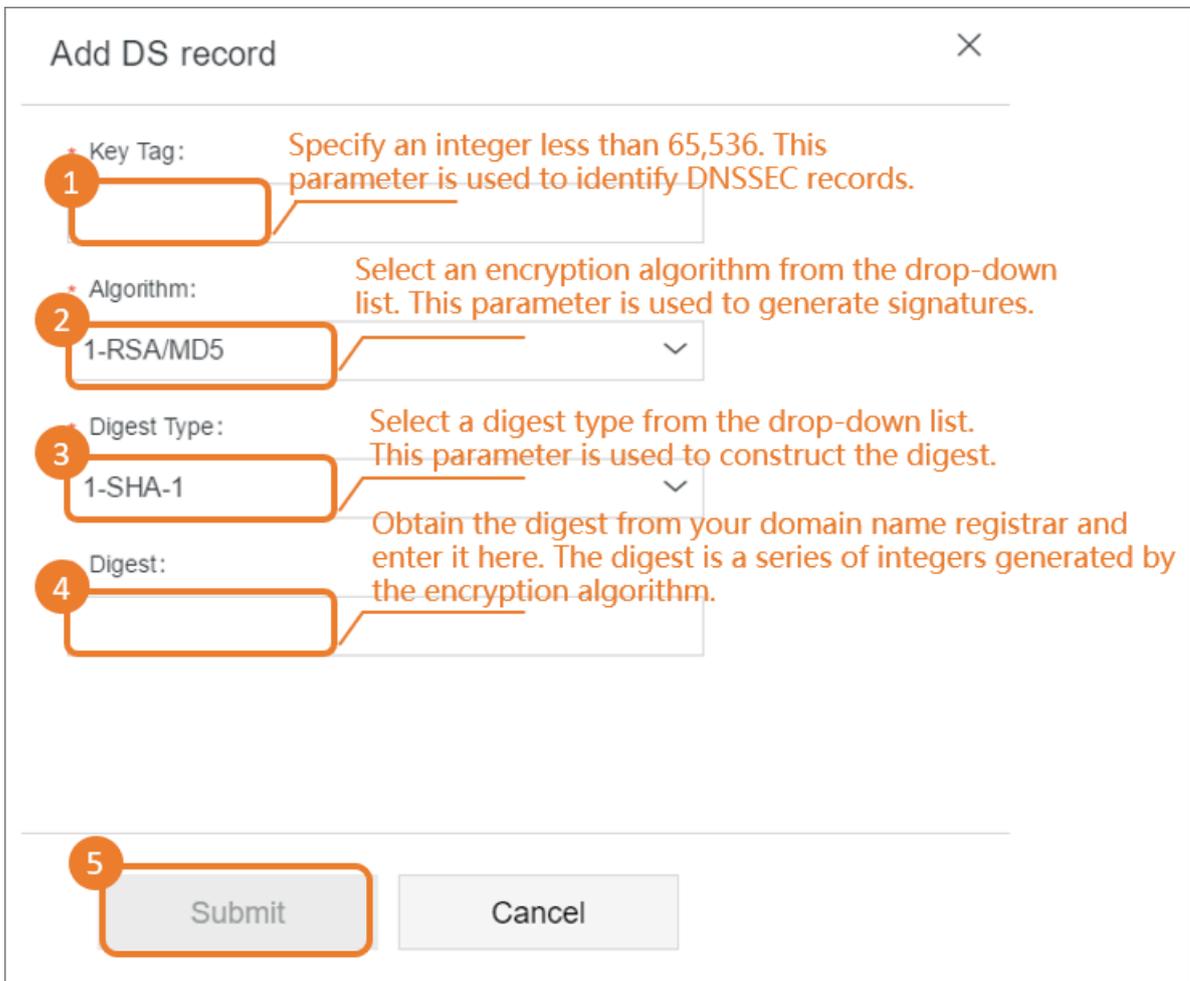
7. In the dialog box that appears, click **Get Verification Code** to obtain a verification code.

Then, enter the code to complete email verification.

6 Benefits and responsibilities of domain name registrants

A domain name registrar must sign the Registrar Accreditation Agreement (RAA) with Internet Corporation for Assigned Names and Numbers (ICANN) to be recognized by ICANN. The RAA stipulates the benefits that domain name registrants can enjoy and the responsibilities that they must take. In addition, ICANN has issued various policies and regulations that provide other benefits and responsibilities to which domain name registrants must conform.

For more information, see Registrants' Benefits and Responsibilities.