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Web应用防火墙

Quick Start

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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}`

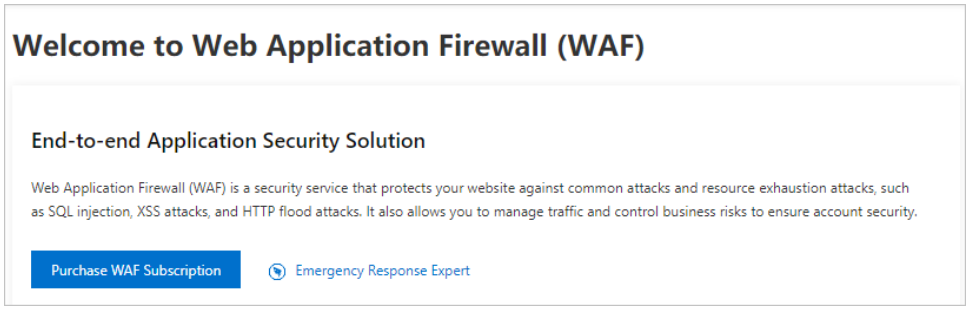
Table of Contents

1.Quick start

This topic walks you through how to deploy and use Web Application Firewall (WAF). WAF protects your website only after you purchase a WAF instance, add your website to WAF, and configure website protection policies. WAF provides security reports that show attack records and access statistics. This way, you can obtain the security posture of your website.

Step 1: Purchase a WAF instance

1. Log on to the Web Application Firewall console.
2. On the **Welcome to Web Application Firewall (WAF)** page, click **Purchase WAF Subscription** to go to the buy page of WAF. If you have purchased a WAF instance, the **Welcome to Web Application Firewall** page does not appear. For more information, see Step 2: Add a website to WAF.



3. On the **Web Application Firewall** buy page, select the product edition and specifications. Then, complete the payment. For more information, see Purchase a WAF instance.
4. After you purchase the WAF instance, go back to the WAF console.

Step 2: Add a website to WAF

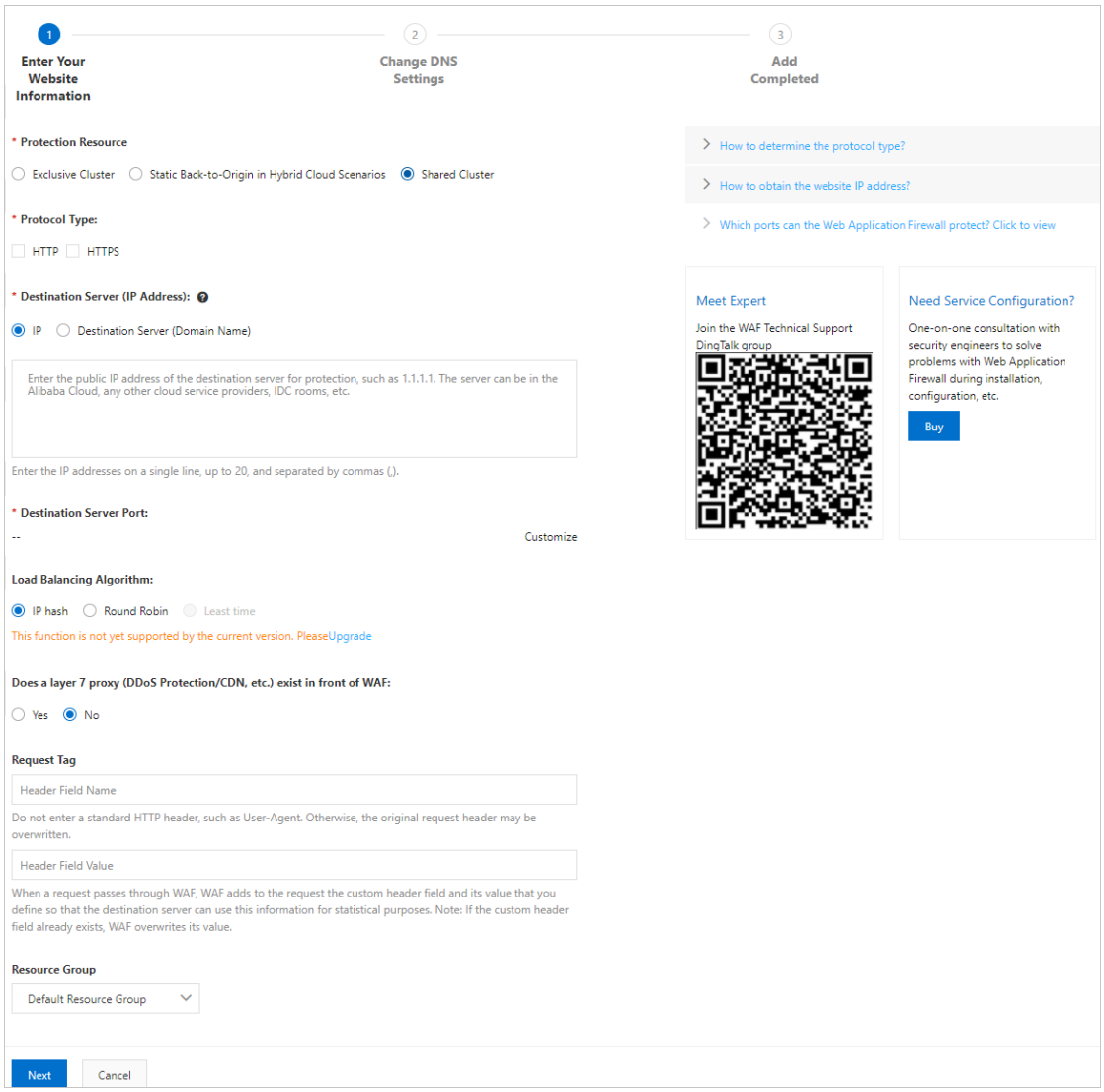
To add a website to WAF, you must add the domain name of the website to your WAF instance and change the DNS record of the domain name to redirect the traffic destined for the website to WAF for protection.

> **Note** Before you can add your website to WAF, make sure that your WAF instance is authorized to access other cloud resources. For more information, see Authorize WAF to access cloud resources.

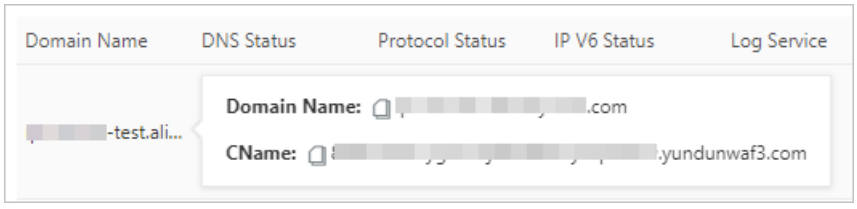
1. Add the website.
   i. On the **Website Access** page, click **Website Access**.
   ii. Set **Access Mode** to **CNAME Record** and click the **Manually Add** tab.

iii. Complete the wizard. For more information, see 网站接入.

> **Notice** If you have configured a proxy in front of WAF, select **Yes** for **Does a layer 7 proxy (DDoS Protection/CDN, etc.) exist in front of WAF**. Otherwise, WAF cannot obtain the actual IP addresses of clients. Proxies include Anti-DDoS Pro, Anti-DDoS Premium, and Alibaba Cloud CDN.

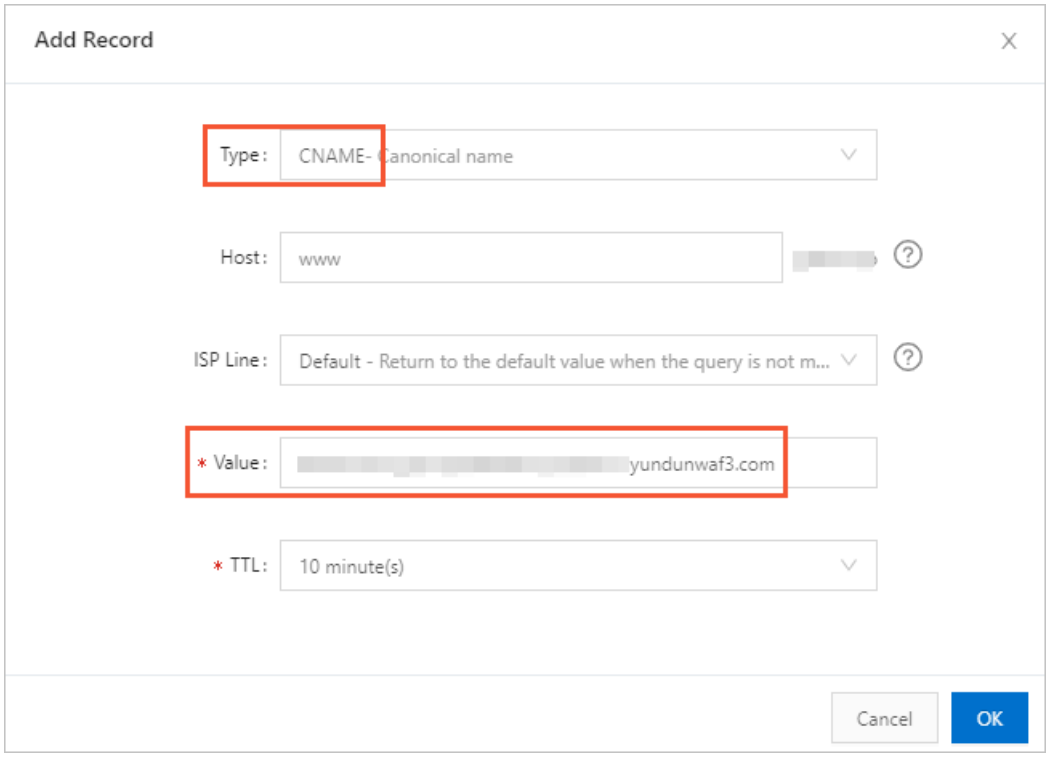


After the website is added to WAF, you can view the CNAME that WAF assigns to the domain name of the website on the **Website Access** page.



> **Notice** If the website supports HTTPS, you must upload the SSL certificate for the domain name of the website after the website is added. This way, WAF can process HTTPS traffic. For more information, see 网站接入.

2. Change the DNS record of the domain name to map the domain name to the CNAME assigned by WAF.
   - If you have not configured a proxy, such as Anti-DDoS Pro, Anti-DDoS Premium, or Alibaba Cloud CDN, in front of WAF, visit the website of your DNS service provider to change the CNAME record. If your DNS service provider is Alibaba Cloud DNS, log on to the Alibaba Cloud DNS console and add a CNAME record by using the CNAME assigned by WAF.



     For more information, see Change a DNS record.
   - If you have configured a proxy, such as Anti-DDoS Pro, Anti-DDoS Premium, or Alibaba Cloud CDN, in front of WAF, log on to the console of the proxy and change the back-to-origin address of the proxy to the CNAME assigned by WAF. This way, WAF can receive the requests destined for the website.

     For more information, see Use WAF with Anti-DDoS Pro or Anti-DDoS Premium and Use WAF with CDN.

Step 3: Configure website protection policies

After you add the domain name, WAF filters access requests and forwards normal requests to the origin servers. WAF provides multiple features to protect your website against different types of attacks. Among the features, only **Protection Rules Engine** and **HTTP Flood Protection** are enabled by default. The Protection Rules Engine feature protects your website against common web attacks, such as SQL injections, XSS attacks, and webshell uploads. The HTTP Flood Protection feature protects your website against HTTP flood attacks. You must manually enable other features and configure protection rules. For more information, see Overview.

Step 4: View security reports

On the **Security Report** page, you can view the attack records and access statistics of the website protected by WAF. For more information, see View security reports.