

Alibaba Cloud Anti-Bot Service

Pricing

Issue: 20191227

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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 <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>

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

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1 Billing methods

Anti-Bot Service adopts the subscription billing method.

Billing method

Billing item: Depends on the subscription package.

Payment method: Subscription.

Billing period: The service is billed monthly or annually based on your order. A bill is generated each time you place an order.


Subscription period: Depends on the purchase date and subscription duration. You can select one of the following subscription durations: one month, three months, six months, one year, two years, and three years.

Expiration: The service stops automatically when the subscription period ends.

- You will receive reminder emails or texts seven days before the expiration date. If you do not renew your subscription before the expiration date, Anti-Bot Service will stop protecting your site when the subscription period ends.
- After the subscription period ends, your Anti-Bot Service configurations will be retained for seven days. If you renew your subscription within these seven days, you can continue to use the previous configurations. Otherwise, you must buy a new Anti-Bot instance and configure the instance from scratch to resume the service.

Pricing

The prices of Anti-Bot instances depend on the region and protection module.

Req	Protecti module	Description	Default specification	Pricing			
				Mainland China		Regions outside mainland China	
				USD/ Year	USD/ Month	USD/ Year	USD/ Month
Yes	Basic defense	<p>Provides basic protection against bot attacks for web pages, HTML5, mobile apps, and API services.</p> <ul style="list-style-type: none"> You can create custom rules to filter requests based on specific parameters. You can limit the number of requests to specific URLs based on the IP address, cookie, or header fields of the request. You can use multiple JavaScript-based actions to handle suspicious requests, such as human 	<ul style="list-style-type: none"> Supports HTTP, HTTPS, HTTP/2, and WebSocket. Supports ports 80/8080 and 443/8443, and up to 50 <i>non-standard ports</i>. Domains: You can add one TLD and up to nine subdomains or wildcard domains. <div>  Note: To add <i>more TLDs</i>, additional fees are charged. Price for each additional TLD: - Mainland China: USD 235 </div>	8,490.57	707.55	12,735.85	1,061.32
2		recognitio n, slider captcha, and		.85 per month		Issue: 20191227	

Req	Protecti module	Description	Default specification	Pricing			
				Mainland China		Regions outside mainland China	
				USD/ Year	USD/ Month	USD/ Year	USD/ Month
No	Bot intelligence	Provides large amounts of cyber threat intelligence and updates protection policies against mass attacks. Intelligence sources: <ul style="list-style-type: none"> • The malicious IP library and fingerprint database maintained by Alibaba Group, which has years of experience in network security. • Threat intelligence such as information about data centers, web crawler libraries, and harassing phone calls. • Intelligence about bot attacks in the security industry. 	-	8,490.57	707.55	12,735.85	1,061.32
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Req	Protection module	Description	Default specification	Pricing			
				Mainland China		Regions outside mainland China	
				USD/Year	USD/Month	USD/Year	USD/Month
No	App protection	<p>Provides your app with enhanced protection against bot traffic through SDK integration.</p> <ul style="list-style-type: none"> You can integrate your app with the Anti-Bot SDK by following the integration guide. You can establish secure connections between your app and the server, and ensure that only requests from legitimate devices are forwarded to the server. You can access the fingerprint database maintained by Alibaba Group, which contains over one billion 	-	11,320.80	943.40	16,981.20	1,415.10
						Issue: 20191227	

Req	Protecti module	Description	Default specification	Pricing			
				Mainland China		Regions outside mainland China	
				USD/ Year	USD/ Month	USD/ Year	USD/ Month
No	Intelligent algorithm	You can use a machine learning algorithm to analyze your workload patterns and detect bot traffic accurately. You can customize your algorithm through deep learning and combine the algorithm with other protection modules to detect and handle bot traffic with more granularity. This dramatically improves protection capabilities.	By default, you can customize one algorithm, which supports a maximum request rate of 500 QPS. You can add more algorithms and increase the maximum request rate based on your needs. <ul style="list-style-type: none"> Price for each additional algorithm: <ul style="list-style-type: none"> Mainland China: USD 786.17 per month Regions outside mainland China: USD 1,179.24 per month Price for each additional 100 QPS per algorithm: <ul style="list-style-type: none"> Mainland China: USD 157.24 per 	9,433.96	786.16	14,150.94	1,179.25
Issue: 20191227			- Mainland China: USD 157.24 per				5

Req	Protection module	Description	Default specification	Pricing			
				Mainland China		Regions outside mainland China	
				USD/Year	USD/Month	USD/Year	USD/Month
No	Managed Security Service	<p>You can directly talk to our technical support professionals about anti-bot protection by joining an exclusive DingTalk group.</p> <ul style="list-style-type: none"> Basic service : Provides consultation and technical support to help you configure Anti-Bot instances, including configurations of domains and related products. Value-added services: Helps you analyze the traffic patterns of bot attacks and provides custom protection policies in a timely manner. This also helps to minimize the negative impact of bot attacks. 	-	56,603.76	4,716.98	84,905.64	7,075.47
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Recommended configurations

We recommend that you choose one of the following configurations based on your workload type.

- **Websites:** Basic defense and bot intelligence.
- **Apps:** Basic defense and App protection
- **Websites and apps:** Basic defense, bot intelligence, and App protection



Note:

If your workload needs a more sophisticated bot protection solution, we recommend that you also use intelligent algorithms or Managed Security Service.

2 Activate Anti-Bot Service

You can use Anti-Bot Service to defend against bot attacks.

Procedure

1. Go to the [Alibaba Cloud Anti-Bot Service buy page](#) and log on to your account.
2. Select the region.
3. Select the [Protection Module](#).



Note:

Specify the following fields based on your needs: *Extra Domain*, *Extra App*, *Extra QPS*, and *Extra Bandwidth*.

Basic	Region	<input checked="" type="radio"/> China Mainland	<input type="radio"/> International	
	Anti-Bot Service is currently serving Hongkong, Singapore, Malaysia, US East, US West, Australia, Germany, India, Indonesia. There is no need to choose region because of intelligent selection according to your real server .			
	Basic Defense	<input checked="" type="radio"/> Basic Defense model		
	Basic Bot Defense. The Specification Sheet: - Domain : 10 domains within a top-level domain; - QPS:500; - Bandwidth:10Mbps outside Alibaba Cloud/100Mbps inside Alibaba Cloud; - Protocol:HTTP/HTTPS; - Port:50(including port 80/8080/443/8443);			
	Bot Intelligence	<input checked="" type="radio"/> TRUE	<input type="radio"/> FALSE	
(Recommend) Provides large amounts of security threat information on the cloud and timely updates protection policies against attacks.				
Enhanced Defense for APP	<input checked="" type="radio"/> FALSE	<input type="radio"/> TRUE		
Provides Enhanced Bot Defense for Mobile Apps by SDK.				
Intelligent Algorithm	<input checked="" type="radio"/> FALSE	<input type="radio"/> TRUE		
Purchase Plan	Extra Domain	<input type="text" value="0"/>		
	One domain package includes one additional top-level domain with up to 10 domains together. You can purchase extra packages for business.			
	Extra QPS	<input type="text" value="0"/> QPS		
	Extra Bandwidth	<input type="text" value="0"/> Mbps		
	Product Service	<input checked="" type="radio"/> FALSE	<input type="radio"/> TRUE	
Provides basic supports in DingDing Group,including product deploying, defense consulting and routine monitoring. Provides a professional service that tracks and fights against the attacks dynamically.				
Subscription	<input checked="" type="radio"/> 1 Month <input type="radio"/> 3 Monthes <input type="radio"/> 6 Monthes <input type="radio"/> 1 year <input type="radio"/> 2 years <input type="radio"/> 3 years			
<input type="checkbox"/> Auto Renew				



Note:

You can upgrade your Anti-Bot instance specifications later.

4. Select the duration of the subscription.

5. Click Buy Now to make your payment.



Note:

Anti-Bot Service does not support full refunds within five days of purchase regardless of the reason.

3 Increase the limit on domains

Domains

By default, one Anti-Bot instance supports up to 10 domains. You can only add one TLD and up to 9 subdomains or wildcard domains for protection.

For example, you can add `abc.com` as the TLD and up to 9 subdomains or wildcard domains, such as `www.abc.com`, `*.abc.com`, `mail.abc.com`, `user.pay.abc.com`, and `x.y.z.abc.com`. The total number of domains, including the `abc.com` TLD, cannot exceed 10.

Increase the limit on domains

If you want your Anti-Bot instance to protect two TLDs or their subdomains, you need to pay additional fees. Assume that you have added `abc.com` or its subdomains for protection, the following message appears when you try to add `xyz.com` or its subdomains to the same Anti-Bot instance:

You must upgrade your instance to enable protection for more TLDs or their subdomains.

In this case, you need to upgrade your Anti-Bot instance to increase the limit on domains.

You can click Upgrade in the Anti-Bot Service console to upgrade your Anti-Bot instance.

4 Increase the limits on the service bandwidth and request rate

By default, Anti-Bot Service supports up to 100 Mbit/s bandwidth for Alibaba Cloud-based services and up to 10 Mbit/s for non-Alibaba Cloud-based services. The default maximum service request rate is 500 QPS. You can increase the limits on service bandwidth and request rate based on your needs.

Service request rate

The service request rate is the number of concurrent requests per second that are sent to all domains protected by an Anti-Bot instance when no attack is in progress. Unit: QPS.

Each Anti-Bot instance supports a maximum request rate of 500 QPS by default.

Service bandwidth

The service bandwidth is the peak traffic that is sent to all domains protected by an Anti-Bot instance when no attack is in progress. Unit: Mbit/s.



Note:

The traffic that flows through Anti-Bot Service is measured independently of the bandwidth limits of other Alibaba Cloud services, such as CDN, SLB, and ECS.

By default, each Anti-Bot instance supports a maximum bandwidth of 100 Mbit/s for Alibaba Cloud-based services and a maximum bandwidth of 10 Mbit/s for non-Alibaba Cloud-based services. A higher bandwidth limit is provided for services that are deployed on Alibaba Cloud servers, such as ECS and SLB instances.

Increase the limits on service bandwidth and request rate

If your service expects to receive high-bandwidth traffic or a large number of concurrent requests, you need to purchase additional bandwidth to handle the traffic or requests.

For example, assume that your service is not deployed on Alibaba Cloud services, and your current service bandwidth is 30 Mbit/s and the request rate is 1,500 QPS. For non-Alibaba Cloud-based services, each Anti-Bot instance supports a maximum bandwidth of 10 Mbit/s and a maximum request rate of 500 QPS. To

prevent service interruptions, you need to pay additional fees for the exceeding 20 Mbit/s of bandwidth and 1,000 QPS request rate.

To meet your growing needs, you can upgrade your Anti-Bot instance for higher specifications.

**Note:**

You can also increase the limits on service bandwidth and request rate when you buy the Anti-Bot instance.

What if the maximum service bandwidth or request rate is exceeded?

If your service bandwidth or request rate exceeds the limit of your Anti-Bot instance, you will receive an alert and traffic forwarding may be affected.

When the maximum service bandwidth or request rate is exceeded, bandwidth throttling and random packet losses are likely to occur, which may lead to issues such as service interruptions, slowdowns, and delays.

If you are experiencing these issues, we recommend that you increase the limits on service bandwidth and request rate as soon as possible.

Do I need to increase the QPS limit?

To see if you need to increase the QPS limit, you can estimate the combined peak request rate of your services that are protected by Anti-Bot Service. The maximum request rate supported by your Anti-Bot instance must be greater than the combined peak request rate of your services that are protected by the Anti-Bot instance.

Example

Assume that you are using an Anti-Bot instance to protect three websites, and the peak request rate of each website is no greater than 500 QPS. The combined peak request rate of the three websites is no greater than 1,500 QPS. In this case, you only need to purchase an Anti-Bot instance that provides a maximum service request rate of 1,500 QPS or above.

Do I need to increase the bandwidth limit?

To see if you need to buy more bandwidth, you can estimate the combined peak bandwidth of the inbound and outbound traffic that flows through the services protected by Anti-Bot Service. The maximum service bandwidth supported by

your Anti-Bot instance must be greater than the combined peak bandwidth of the inbound and outbound traffic that flows through the services protected by the Anti-Bot instance.

**Note:**

Generally, the bandwidth of outbound traffic is greater than that of inbound traffic.

You can estimate the actual bandwidth by viewing the traffic statistics in the ECS console or other monitoring tools on your origin server.

**Note:**

The traffic described here refers to the normal traffic that flows through your services.

To use Anti-Bot Service to protect your services, you need to direct all incoming traffic to Anti-Bot Service. When your services are running normally and no attack is in progress, Anti-Bot Service forwards all normal traffic back to the origin server. When your services are experiencing attacks, Anti-Bot Service filters out malicious traffic, and only forwards normal traffic back to the origin server. Therefore, the inbound and outbound traffic in the ECS console is normal traffic. If your services are deployed on multiple origin servers, you need to calculate the combined bandwidth of inbound and outbound traffic that flows through all origin servers.

Example

Assume that you are using an Anti-Bot instance to protect three websites, and the peak bandwidth of outbound traffic from each website is no greater than 10 Mbit/s. The combined peak bandwidth of outbound traffic from all three websites is no greater than 30 Mbit/s. In this case, you only need to purchase an Anti-Bot instance that provides a maximum service bandwidth of 30 Mbit/s or above.

5 Support for non-standard ports

In addition to ports 80/8080 (HTTP) and 443/8443 (HTTPS), Anti-Bot Service also provides protection for specific non-standard ports.

Each Anti-Bot instance supports up to 50 ports, including standard ports 80, 8080, 443, and 8443.

**Note:**

Anti-Bot Service only provides protection for supported ports. Requests from unsupported ports are not accepted or forwarded. For example, when an Anti-Bot instance receives a request from port 4444, the request is discarded.

Supported HTTP ports

Anti-Bot Service supports the following HTTP ports:

80, 81, 82, 83, 84, 88, 89, 800, 808, 1000, 1090, 3333, 3501, 3601, 5000, 5222, 6001, 6666, 7000, 7001, 7002, 7003, 7004, 7005, 7006, 7009, 7010, 7011, 7012, 7013, 7014, 7015, 7016, 7018, 7019, 7020, 7021, 7022, 7023, 7024, 7025, 7026, 7070, 7081, 7082, 7083, 7088, 7097, 7777, 7800, 8000, 8001, 8002, 8003, 8008, 8009, 8020, 8021, 8022, 8025, 8026, 8077, 8078, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088, 8089, 8090, 8091, 8106, 8181, 8334, 8336, 8800, 8686, 8888, 8889, 8999, 9000, 9001, 9002, 9003, 9080, 9200, 9999, 10000, 10001, 10080, 12601, 86, 9021, 9023, 9027, 9037, 9081, 9082, 9201, 9205, 9207, 9208, 9209, 9210, 9211, 9212, 9213, 48800, 87, 97, 7510, 9180, 9898, 9908, 9916, 9918, 9919, 9928, 9929, 9939, 28080, 33702

Supported HTTPS ports

Anti-Bot Service supports the following HTTPS ports:

443, 4443, 5443, 6443, 7443, 8443, 9443, 8553, 8663, 9553, 9663, 18980