

# Zenlayer ZGA User Guide



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# What is Zenlayer ZGA?

ZGA is the short name for **Zenlayer Global Accelerator**. With Zenlayer global computing and backbone network as the underlying resources, ZGA builds a global dynamic acceleration platform through intelligent routing and protocol optimization technologies. Through this platform, users can access the nearest node to achieve high-speed access to the origin server (access by IP or domain name), eliminating the delay, jitter or packet loss often experienced in global transnational access, in order to provide global users with quality network services.

## Order in AWS Marketplace

Zenlayer ZGA offers two kinds of service modes: Bandwidth [Contract](#) and Traffic [Metering Package](#). Contract is billed based on the bandwidth you purchase and metering package is billed based on the data transfer package with fixed data you purchase. If additional acceleration lines are needed, see [Purchase Acceleration Line](#).

## Free POC

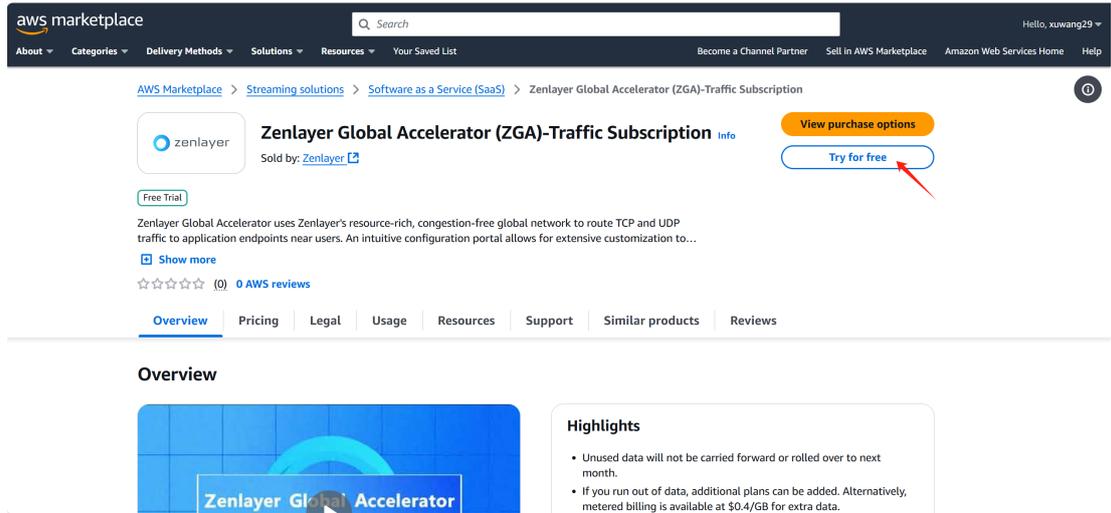
Zenlayer ZGA supports free POC:

- ✓ Limited to one accelerator
- ✓ With 10 Mbps bandwidth cap
- ✓ Valid for 7 days

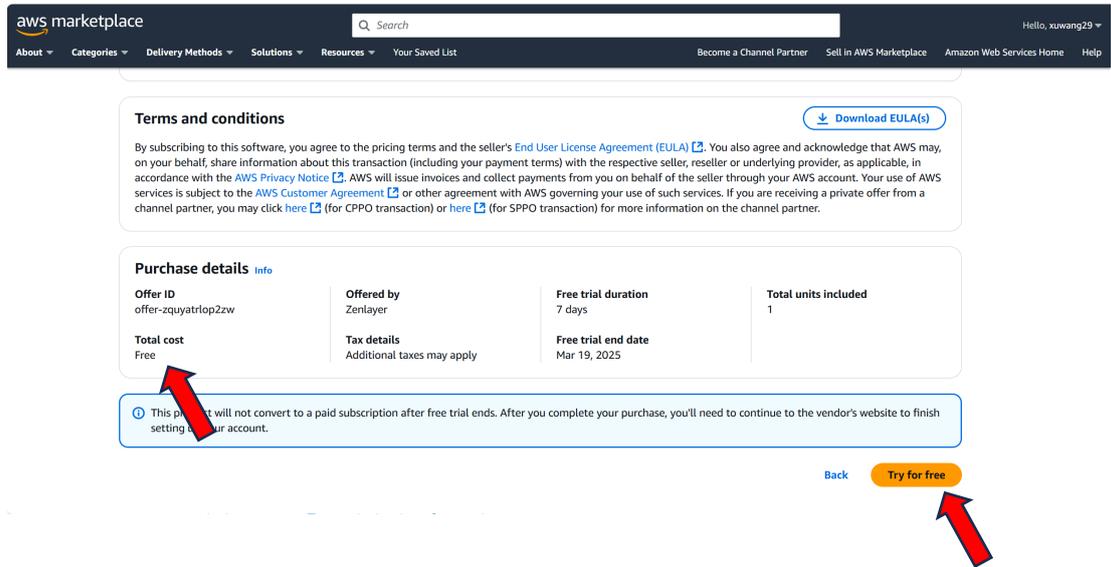
## POC Process

Step 1 Subscription

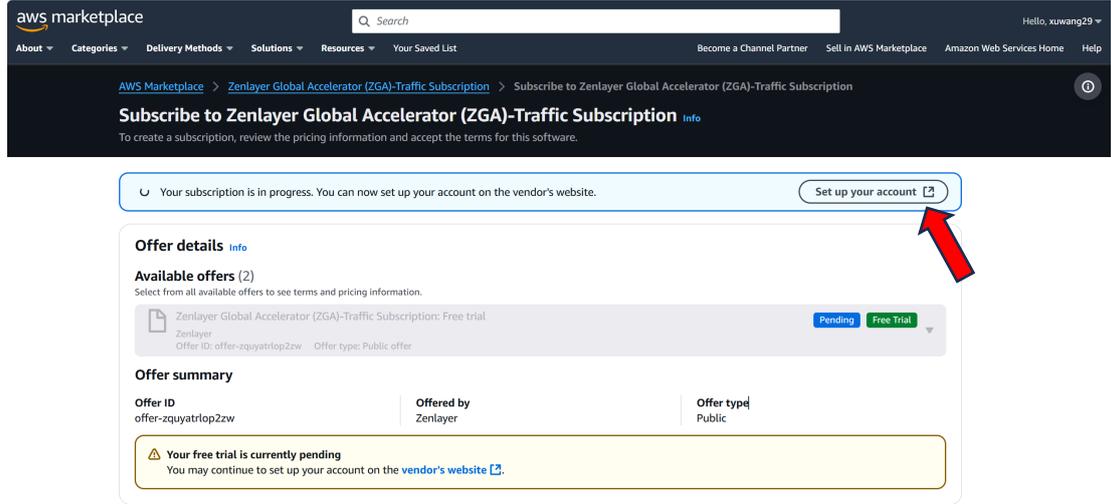
1. Log in to [AWS Marketplace](#), Open the AWS ZGA traffic billing page and select Try for free



2. Click Subscribe to **subscribe** to FreeTrial Offer.

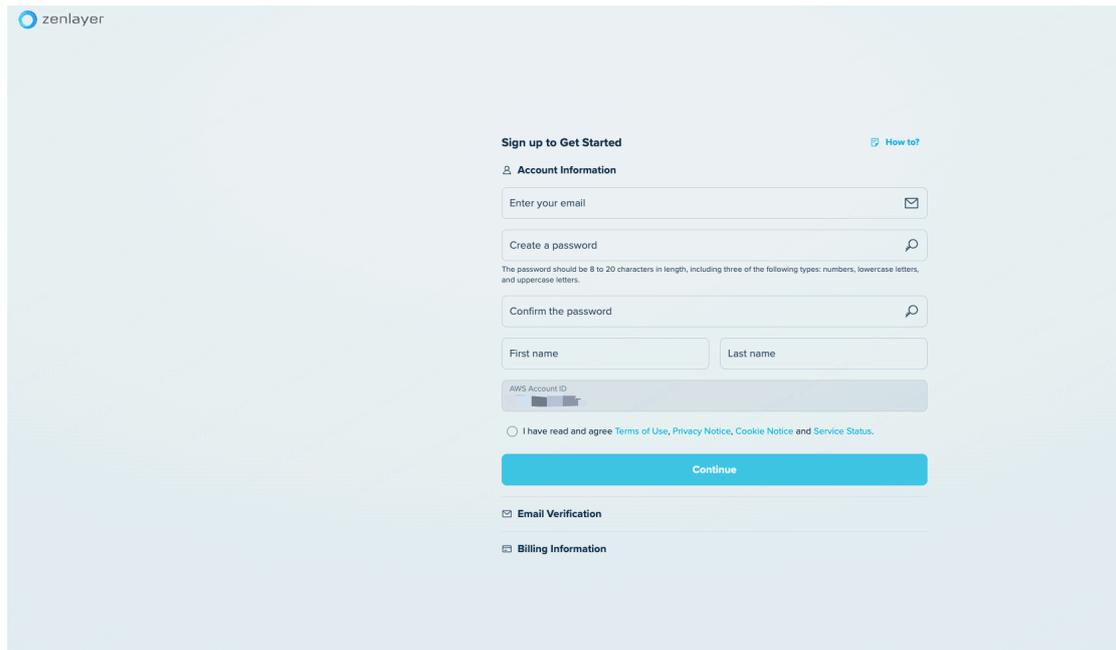


3. After the subscription is completed, you will automatically jump to the Zenlayer Console platform through **Set up your account**.

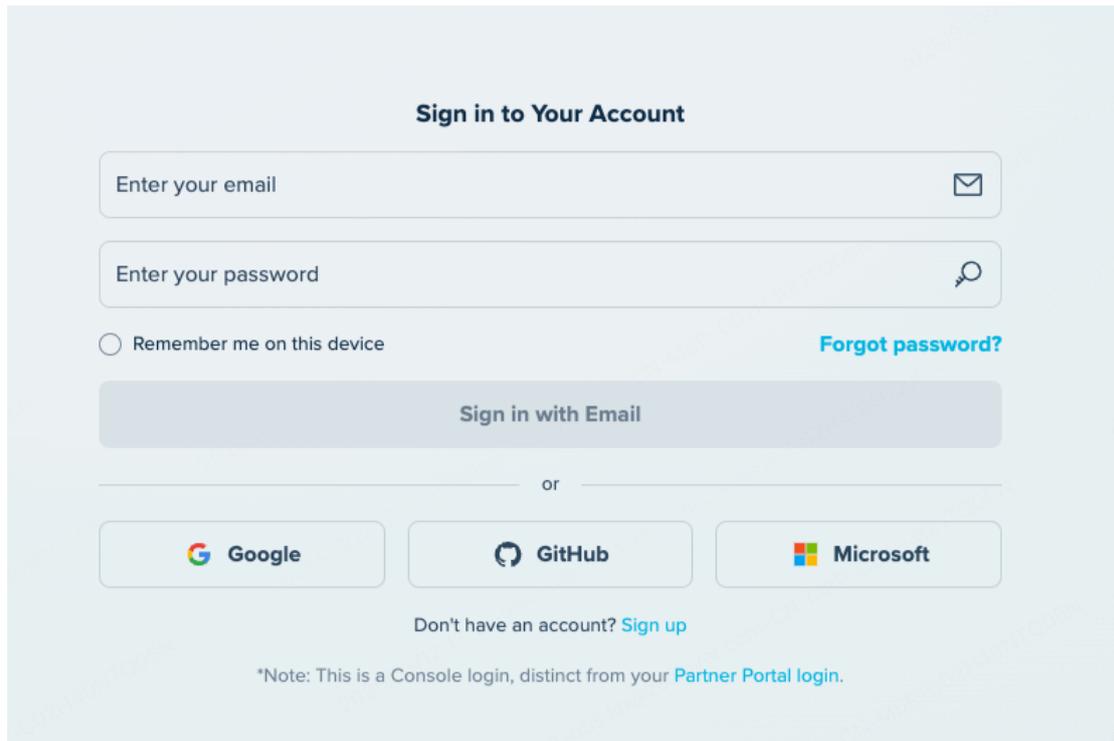


## Step 2 Sign up for a zenConsole account

If you are a new user, you need to enter all the information to register first.



After registration, you can sign in to zenConsole with your Email address and password.



The image shows a 'Sign in to Your Account' form. It features two input fields: 'Enter your email' with an envelope icon and 'Enter your password' with a key icon. Below these is a radio button for 'Remember me on this device' and a blue link for 'Forgot password?'. A large grey button labeled 'Sign in with Email' is positioned below the radio button. A horizontal line with the word 'or' in the center separates this from three social login buttons: 'Google', 'GitHub', and 'Microsoft'. At the bottom, there is a blue link 'Don't have an account? Sign up' and a note: '\*Note: This is a Console login, distinct from your Partner Portal login.'

### Step 3 Create an accelerator

Once you log in to Console, you can directly create a 7-day free accelerator of POC type. Refer to [Create Accelerator](#)

### Step 4:

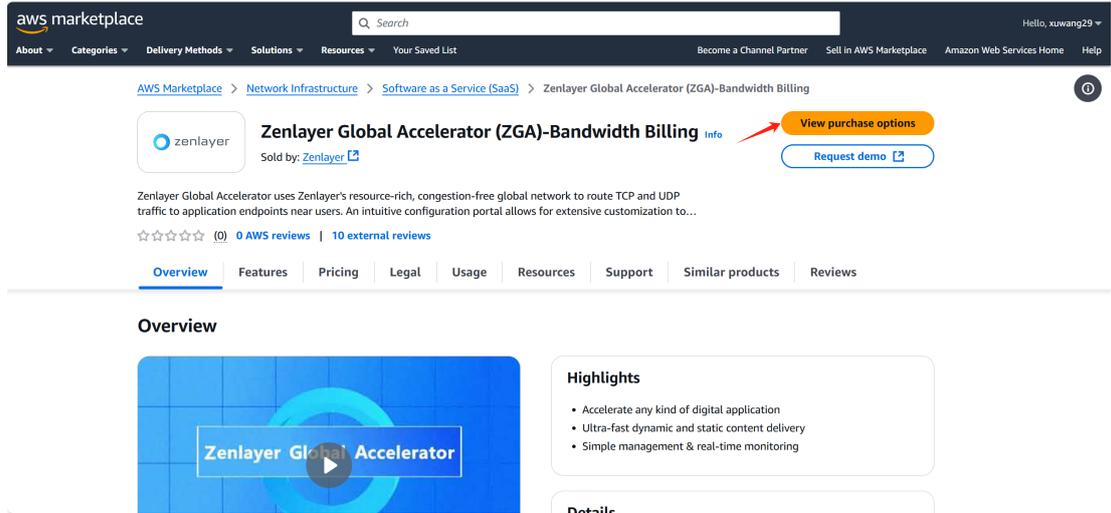
Before the POC expires, if you decide to continue ZGA service, you can switch the scribe to public offer (see [Purchase Metering Package](#)) or purchase bandwidth on AWS Marketplace (see [Contract](#)) (If you do not formally purchase ZGA service, your POC accelerator will be suspended and resources will be retained only for one day).

*Note: After you purchase ZGA service, please change the accelerator type on Console in time. E.g. if you purchase bandwidth, change the type from POC to Contract.*

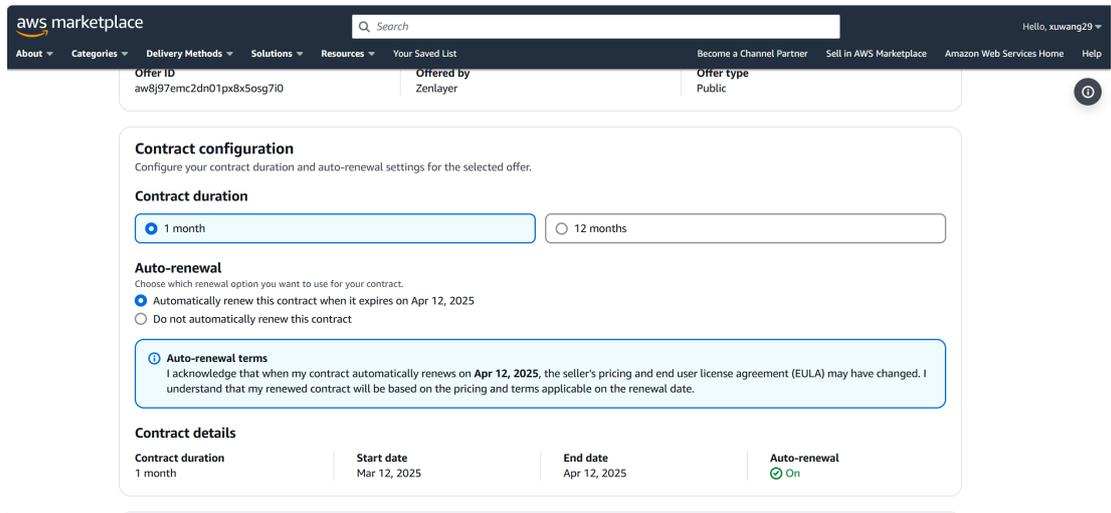
# Business Purchase

## 1. Billed by Bandwidth

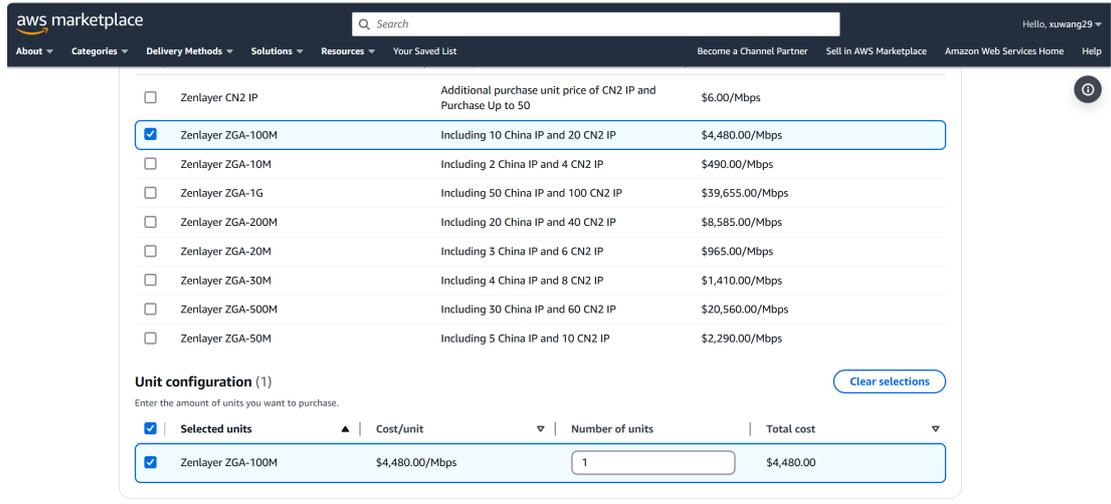
Step 1: Open <https://aws.amazon.com/marketplace/pp/B08RNQC2WJ>, click **Continue to Subscribe**



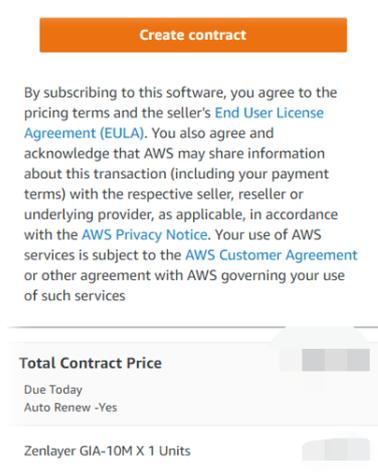
Step 2: Select the contract term and renewal settings



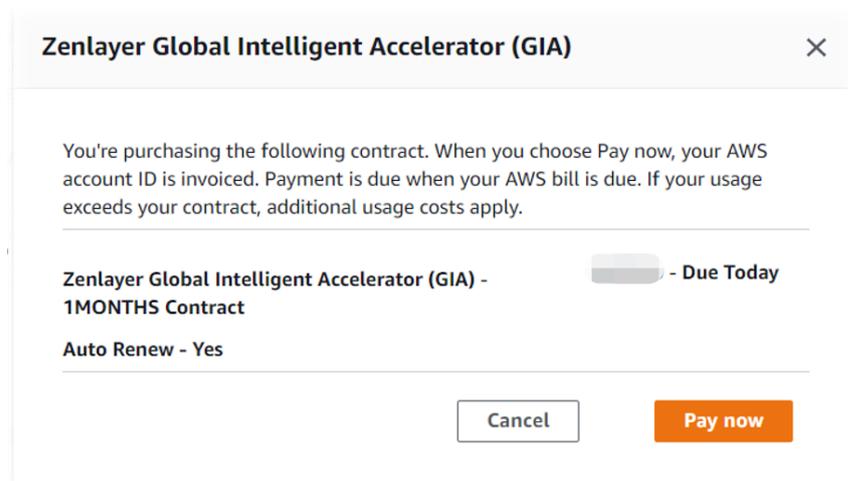
Step 3: Select the bandwidth



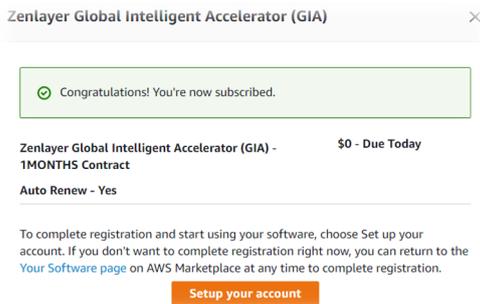
Step 4: Click **Create contract** to generate the contract



Step 5: Pay this contract



Step 6: Click **Setup your account** to open Zenlayer Console

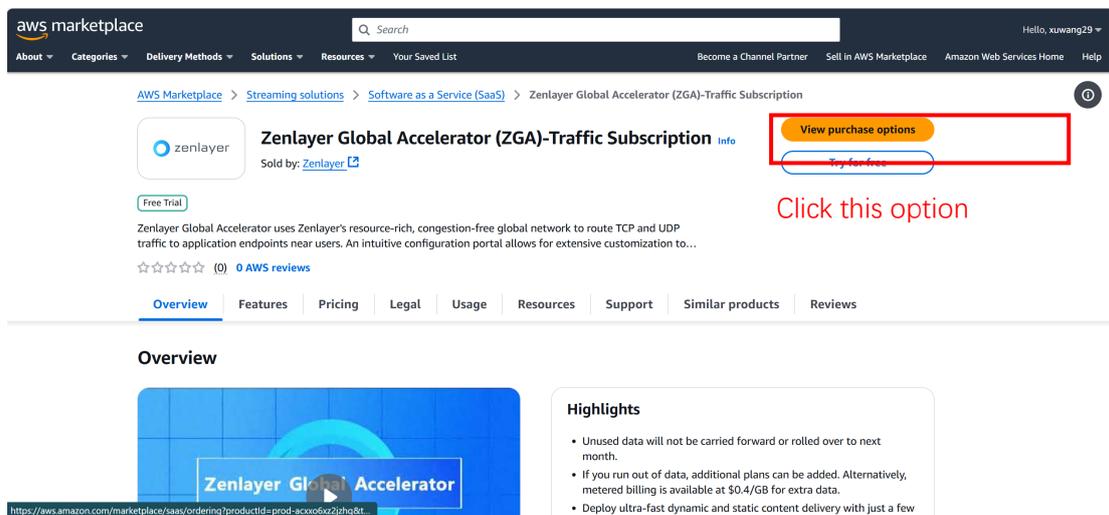


Step 7: Sign up your account in Zenlayer Console and log in. See [Login Zenlayer Console](#) for more information

Step 8: Create an accelerator, see [Create Accelerator](#) for more details.

## 2. Billed by Data Transfer

Step 1: Log in to [AWS Marketplace: Zenlayer Global Accelerator \(ZGA\)-Traffic Subscription](#), and click **Continue to Subscribe**.



Step 2: Confirm the price and click **Subscribe**

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specified quantity of use for the contract duration. Usage-based pricing is in effect for overages or additional usage not covered in the contract. These charges are applied on top of the contract price. If you choose not to renew or replace your contract before the contract end date, access to your entitlements will expire.

**Available units (6)**  
Select the units you want to buy. Usage-based charges apply in addition to contract fees.

Find unit types

Units	Description	Cost/unit	Overage cost
<input type="radio"/> Zenlayer ZGA-10T Traffic	10TB Traffic Package \$3,379 including 20 Accelerate Region	\$3,379.00/GB	\$0.40/GB
<input type="radio"/> Zenlayer ZGA-1T Traffic	1TB Traffic Package \$348 including 10 Accelerate Region	\$348.00/GB	\$0.40/GB
<input type="radio"/> Zenlayer ZGA-20T Traffic	20TB Traffic Package \$6,553 including 40 Accelerate Region	\$6,553.00/GB	\$0.40/GB
<input checked="" type="radio"/> Zenlayer ZGA-500G Traffic	500G Traffic Package \$172 including 6 Accelerate Region	\$172.00/GB	\$0.40/GB
<input type="radio"/> Zenlayer ZGA-50T Traffic	50TB Traffic Package \$15,360 including 100 Accelerate Region	\$15,360.00/GB	\$0.40/GB
<input type="radio"/> Zenlayer ZGA-5T Traffic	5TB Traffic Package \$1,715 including 14 Accelerate Region	\$1,715.00/GB	\$0.40/GB

You can only apply 1 purchase order number for all usage charges.

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accordance with the [AWS Privacy Notice](#), AWS will issue invoices and collect payments from you on behalf of the seller through your AWS account. Your use of AWS services is subject to the [AWS Customer Agreement](#) or other agreement with AWS governing your use of such services. If you are receiving a private offer from a channel partner, you may click [here](#) (for CPPO transaction) or [here](#) (for SPPO transaction) for more information on the channel partner.

**Purchase order (PO) number** [Info](#)  
You can assign unique purchase order numbers to charges to include them on your invoices. [Learn more](#)

**Purchase order number options**

- No purchase order
- One PO number for all charges  
Assign one PO number for all fixed and usage-based charges associated with this order.
- Separate PO numbers for fixed and usage-based charges  
Assign one PO number for all fixed charges and another PO number for all usage-based charges.

**Purchase details** [Info](#)

<b>Offer ID</b> offer-2dh75fpbwpxew	<b>Offered by</b> Zenlayer	<b>Total contract cost</b> \$172.00	<b>Contract duration</b> 1 month
<b>Number of units selected</b> 1	<b>Tax details</b> Additional taxes may apply	<b>Purchase order numbers</b> -	

[Back](#) [Subscribe](#)

*If before the POC expires, you can choose to switch to Public Offer subscription mode*

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AWS Marketplace > Zenlayer Global Accelerator (ZGA)-Traffic Subscription > Subscribe to Zenlayer Global Accelerator (ZGA)-Traffic Subscription

**Subscribe to Zenlayer Global Accelerator (ZGA)-Traffic Subscription** Info

To create a subscription, review the pricing information and accept the terms for this software.

Free trial offer currently in use for this product  
Your free trial period is still active. If you haven't already, set up your account at [vendor's website](#).

View Subscription

**Offer details** Info

**Available offers (2)**  
Select from all available offers to see terms and pricing information.

Offer created on 2024-11-21T08:59:21.860Z  
Zenlayer  
Offer ID: offer-2dh75fpbwxpew Offer type: Public offer

Zenlayer Global Accelerator (ZGA)-Traffic Subscription: Free trial  
Zenlayer  
Offer ID: offer-zquyatrlp2zw Offer type: Public offer In use Free Trial

Offer created on 2024-11-21T08:59:21.860Z  
Zenlayer  
Offer ID: offer-2dh75fpbwxpew Offer type: Public offer

You're currently using the free trial of this product. Once accepted, this paid offer replaces your free trial immediately. You may convert this free trial to a paid subscription at any time if available.

Step 3: **Scroll up the webpage** and click the "Set up your account" button to enter the Zenlayer Console website to set up your account.

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AWS Marketplace > Zenlayer Global Accelerator (ZGA)-Traffic Subscription > Subscribe to Zenlayer Global Accelerator (ZGA)-Traffic Subscription

**Subscribe to Zenlayer Global Accelerator (ZGA)-Traffic Subscription** Info

To create a subscription, review the pricing information and accept the terms for this software.

Your subscription is in progress. You can now set up your account on the vendor's website.

Set up your account

**Offer details** Info

**Available offers (2)**  
Select from all available offers to see terms and pricing information.

Zenlayer Global Accelerator (ZGA)-Traffic Subscription: Free trial  
Zenlayer  
Offer ID: offer-zquyatrlp2zw Offer type: Public offer Pending Free Trial

**Offer summary**

Offer ID	Offered by	Offer type
offer-zquyatrlp2zw	Zenlayer	Public

Your free trial is currently pending  
You may continue to set up your account on the [vendor's website](#).

Step 4: Sign up your account in Zenlayer Console, See [Login Zenlayer Console](#) for more information

### 3. Purchase Acceleration Line

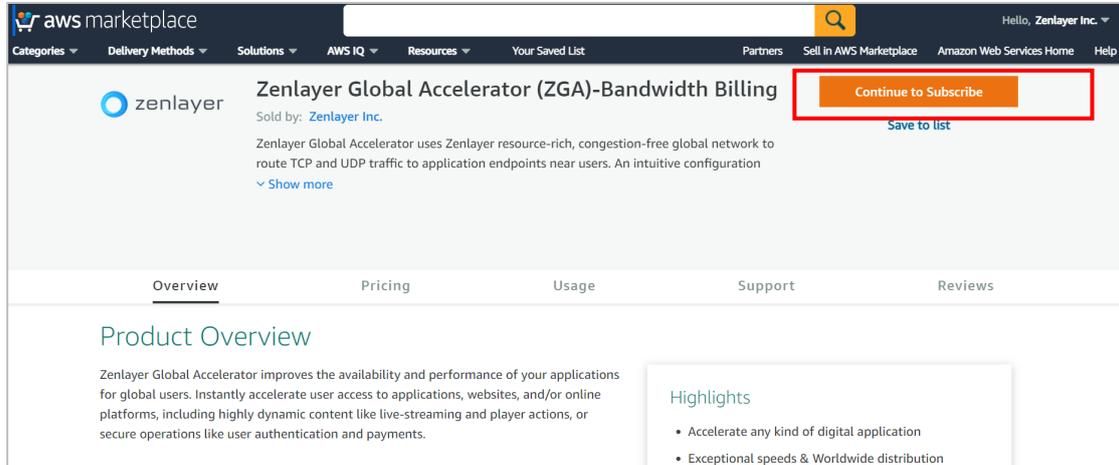
ZGA platform will create an acceleration line between each acceleration region and the origin.

See [Create Accelerator](#) for more details.

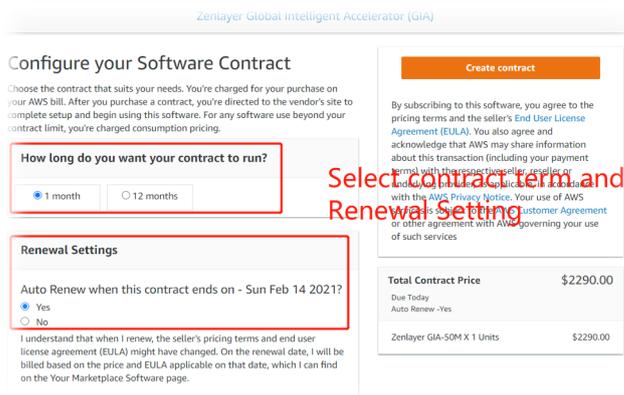
Regardless of whether you purchased Contract (bandwidth) or Metering Package (data transfer package), up to 10 acceleration lines can be created by default. If you need to create

more, please follow the steps below to purchase:

Step 1: Open <https://aws.amazon.com/marketplace/pp/B08RNQC2WJ>, click **Continue to Subscribe**



Step 2: Select the order term and renewal settings



Step 3: Enter the number of acceleration lines you will purchase in the option of Zenlayer IP.

*Please note that the acceleration lines you purchase here can be used for all acceleration regions, not limited to CN2 (accelerating Chinese Mainland).*

### Contract Options

Zenlayer GIA-10M	<input type="text"/> Mbps	<input type="text"/>
Including 2 China IP and 4 CN2 IP		
Zenlayer GIA-20M	<input type="text"/> / Mbps	<input type="text"/>
Including 3 China IP and 6 CN2 IP		
Zenlayer GIA-30M	<input type="text"/> Mbps	<input type="text"/>
Including 4 China IP and 8 CN2 IP		
Zenlayer GIA-50M	<input type="text"/> / Mbps	<input type="text"/>
Including 5 China IP and 10 CN2 IP		
Zenlayer GIA-100M	<input type="text"/> / Mbps	<input type="text"/>
Including 10 China IP and 20 CN2 IP		
Zenlayer GIA-200M	<input type="text"/> Mbps	<input type="text"/>
Including 20 China IP and 40 CN2 IP		
Zenlayer GIA-500M	<input type="text"/> / Mbps	<input type="text"/>
Including 30 China IP and 60 CN2 IP		
Zenlayer GIA-1G	<input type="text"/> / Mbps	<input type="text"/>
Including 50 China IP and 100 CN2 IP		
Zenlayer CN2 IP	<input type="text"/> Mbps	<input type="text"/>
Additional purchase unit price of CN2 IP and Purchase Up to 50		

Purchase order - *Optional* [Learn more](#)

Step 4: Click **Create contract** to generate the order

**Create contract**

By subscribing to this software, you agree to the pricing terms and the seller's [End User License Agreement \(EULA\)](#). You also agree and acknowledge that AWS may share information about this transaction (including your payment terms) with the respective seller, reseller or underlying provider, as applicable, in accordance with the [AWS Privacy Notice](#). Your use of AWS services is subject to the [AWS Customer Agreement](#) or other agreement with AWS governing your use of such services

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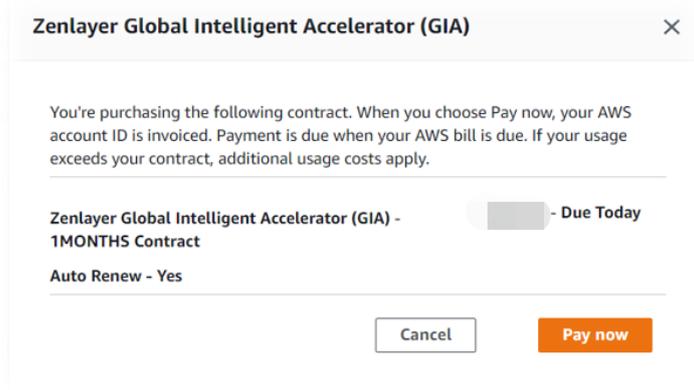
**Total Contract Price** .00

Due Today  
Auto Renew -Yes

---

Zenlayer GIA-10M X 1 Units .00

Step 5: Pay this order

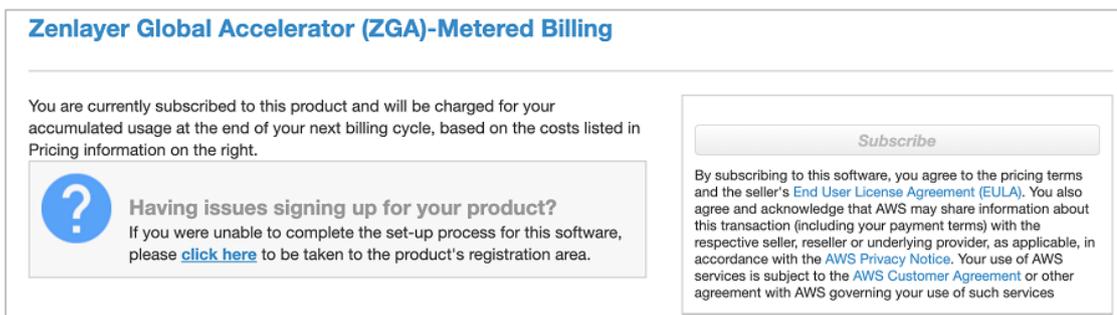


## Login Zenlayer Console

### Important:

If you do not sign up to Zenlayer Console immediately after placing an order of Contract (Bandwidth) or Metering Package on AWS Marketplace, please be sure to re-enter Zenlayer Console from the same ordering page on AWS Marketplace. The method is as follows:

- Contract: On the prompt that you have contract created already, click "Click here to setup your account".
- Metering Package: Click "Click here" under the issue prompt.



- You are recommended to add the site's address to the favorites in order to open it quickly next time.

## 1. Sign Up

If you are using Zenlayer ZGA for the first time, you need to sign up your account.

- Fill out the required information to complete the sign up

The screenshot shows the Zenlayer sign-up page. At the top left is the Zenlayer logo. The main heading is "Sign up to Get Started" with a "How to?" link. Below this is the "Account Information" section, which includes input fields for "Enter your email", "Create a password", and "Confirm the password". A note specifies that the password should be 8 to 20 characters in length, including three of the following types: numbers, lowercase letters, and uppercase letters. There are also input fields for "First name" and "Last name", and a field for "AWS Account ID". A checkbox indicates "I have read and agree Terms of Use, Privacy Notice, Cookie Notice and Service Status." Below these fields is a blue "Continue" button. At the bottom of the form, there are sections for "Email Verification" and "Billing Information", both currently collapsed.

## 2. Login

After signing up, you can log into Console anytime with your email and password.

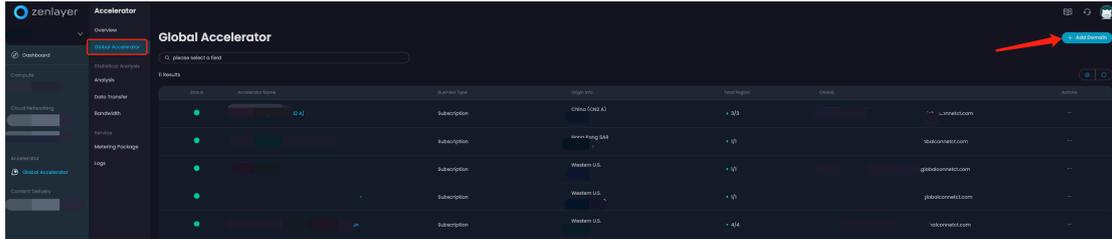
The screenshot shows the Zenlayer login page. The heading is "Sign in to Your Account". It features two input fields: "Enter your email" and "Enter your password". Below these is a "Remember me on this device" checkbox and a "Forgot password?" link. A large grey button labeled "Sign in with Email" is positioned below the input fields. Underneath, the word "or" is centered between two horizontal lines. Below the lines are three buttons for social login: "Google", "GitHub", and "Microsoft". At the bottom, there is a link "Don't have an account? Sign up" and a note: "\*Note: This is a Console login, distinct from your Partner Portal login."

# Create & Manage Accelerator

Once you have logged in, you can start to create and manage your accelerator.

## 1. Create Accelerator

➤ **Accelerators** → Click **Create**



➤ Complete the required information:

### Select accelerator type:

- If you are billed for bandwidth, choose **Contract** ([How to create](#))
- If you are billed for data transfer, choose **Metering Package** ([How to create](#))
- Choose POC for free POC trial ([How to have a trial](#))

### Select how to accelerate connectivity:

- Domain Name: If your users access to your service via domain name, such as [www.zenlayer.com](http://www.zenlayer.com), please choose Domain Name and enter the domain name below.

*Related domain: If multiple domains are bound to the same origin server and they all need to be accelerated, you can fill in those domains here.*

- IP Address: If your users access to the service by IP address, please choose IP Address.

Regardless domain name or IP address, we will deliver to you accelerated IP & CNAME after the deployment completes successfully (See [Manage Accelerator](#)):

- Domain Name: Please make sure to add the CNAME to your DNS record. See [Add DNS Record](#) below.
- IP Address: Directly use the IP address provided by ZGA for users access.

### Enter origin domain name or IP:

Enter here the domain name or IP of your origin server, which should be different from the domain name for end user's access entered above. If your origin is deployed in Public Cloud, you will be able to find your origin domain name or IP address in Cloud's console, or consult your operations personnel. Please note also:

- In the case of domain name, only one domain name can be filled.
- In the case of IP address, multiple can be entered (separated by semicolon or Enter key).

*Origin address lookup results: In order to facilitate the setup, once you entered the domain name for user access, the platform will lookup automatically the IP/domain name of the corresponding origin server, and you can select directly from the lookup result.*

**Select origin region:**

Select the region where the origin server is located from the drop-down list. If not find, select the region closest to the origin.

*\* If your origin server is in Mainland China, please select China (CN2).*

**Select acceleration region:**

Select the target regions you want to accelerate. You can select multiple regions and the ZGA platform will create an acceleration line between each acceleration region and the origin.

*\* If the regions include mainland China and your users are concentrated in South China, please select China (CN2 A); if users are concentrated in East China, please select Eastern China (CN2 B); in other cases, choose either of them.*

*\* If the accelerator type above is contract, you need to assign bandwidth to each accelerator line.*

*\* Regardless of whether you purchased Contract (bandwidth) or Metering Package (data transfer package), up to 10 acceleration lines can be created by default. If you need to create more, please first purchase additional lines on the AWS Marketplace (see [Purchase Acceleration Line](#)) and then re-log into Zenlayer Console to create more acceleration lines.*

**Add acceleration rules:**

Select the protocol and port used by your application. In the case of HTTPS, key and certificate should be uploaded.

*\* If the way to accelerate connectivity you selected above is IP Address, only TCP and UDP are available here.*

- After reviewing all the information, click **Confirm order**, ZGA will complete the accelerator setup in a couple of minutes.

*\* If the way to accelerate connectivity is Domain Name, after the accelerator is created successfully, please add CNAME that ZGA provides to the DNS record. See [Add DNS Record](#).*

*\* If the way to accelerate connectivity is IP Address, please go to the accelerator details to obtain the accelerated IP of each acceleration region, the user can directly access the accelerated IP.*

- An example

Assume a domain name: [www.example.com](http://www.example.com) needs to accelerate its users located in China, and its origin: *origin-www.example.com* is located in Singapore, whose access ports are HTTP 80 and HTTPS 443. You can configure your accelerator in the following way.

**What would you like to accelerate?**

Domain Name  IP Address

Eg: www.example.com or \*example.com  
www.example.com

Related domain

**What is your origin address?**

Eg: "example.cloudfront.net" or the IP of your server location, Separate by "enter"  
"origin-www.example.com"

**Origin address lookup results**

We weren't able to retrieve origin addresses for you. Double check that you've entered your domain correctly.

**Where is your origin located?**

Select one  
Singapore

**Which regions would you like to accelerate?**

Americas  
Brazil Eastern U.S. Western U.S.

Asia Pacific  
China (CN2 A) Eastern China (CN2 B) Hong Kong SAR India Indonesia Japan Philippines Singapore

South Korea Taiwan Thailand Vietnam

Europe & Middle East & Africa  
France Germany Netherlands Russia South Africa Turkey UAE - Dubai United Kingdom

**Accelerated lines**

China (CN2 A) → Singapore

**Set your acceleration rules**

Protocol HTTP-HTTP Port 80 Back-to-origin port Back-to-origin host header X

Protocol HTTPS-HTTPS Port 443 Back-to-origin port Back-to-origin host header X

Key: 314582f2474a20436422fa5a09d78745.key Reload

Certification: 33dda5da2722d7e1cbdf9a3a44a09cd6.crt Reload

## 2. Add DNS Record

If end users access to your service by domain name, after the accelerator is created successfully, please add CNAME that ZGA provides to the DNS record.

- After the accelerator is successfully created, you can find the CNAME assigned to each accelerator in the accelerator list.

**Global Accelerator**

please select a field

Accelerator Name	Business Type	Origin Info	Total Region	CNAME	Action
[Redacted]	Contract	Hong Kong [Redacted]	0/0	[Redacted]	...
[Redacted]	Contract	Hong Kong [Redacted]	0/1	[Redacted]	...
[Redacted]	Contract	Hong Kong [Redacted]	1/1	[Redacted]	...
[Redacted]	Metering Package	Hong Kong [Redacted]	1/1	[Redacted]	...
[Redacted]	Metering Package	Japan [Redacted]	0/0	[Redacted]	...
[Redacted]	Metering Package	Hong Kong [Redacted]	0/0	[Redacted]	...
[Redacted]	Metering Package	Hong Kong [Redacted]	0/0	[Redacted]	...
[Redacted]	Metering Package	Hong Kong [Redacted]	0/0	[Redacted]	...

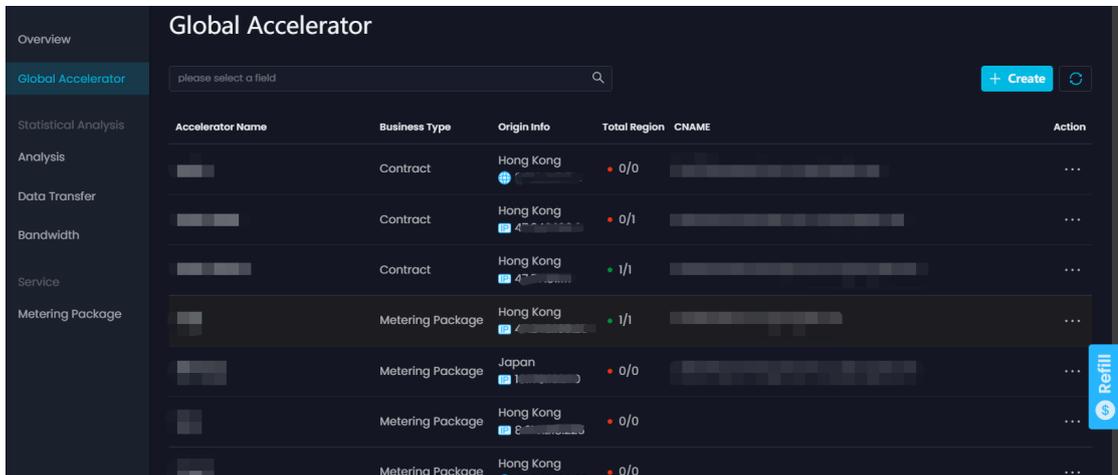
- Go to your DNS service provider's console and add CNAME record, that is, resolving the domain name to the CNAME:

Operation guide of AWS Route 53: [Creating and managing traffic policies - Amazon Route 53](#)

If you use other DNS services, reach out to them for the operation guidance.

### 3. Manage Accelerator

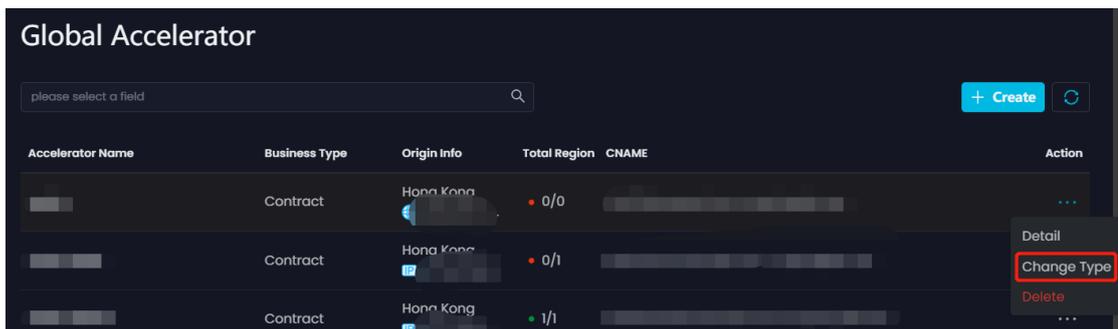
- You can view all accelerators in the accelerator list, and the one with acceleration regions normally-running is marked with green dot.



Accelerator Name	Business Type	Origin Info	Total Region	CNAME	Action
[Redacted]	Contract	Hong Kong	0/0	[Redacted]	...
[Redacted]	Contract	Hong Kong	0/1	[Redacted]	...
[Redacted]	Contract	Hong Kong	1/1	[Redacted]	...
[Redacted]	Metering Package	Hong Kong	1/1	[Redacted]	...
[Redacted]	Metering Package	Japan	0/0	[Redacted]	...
[Redacted]	Metering Package	Hong Kong	0/0	[Redacted]	...
[Redacted]	Metering Package	Hong Kong	0/0	[Redacted]	...

If you need to change the accelerator type, such as from contract to metering package:

click **Change Type** under **Action**



Accelerator Name	Business Type	Origin Info	Total Region	CNAME	Action
[Redacted]	Contract	Hong Kong	0/0	[Redacted]	...
[Redacted]	Contract	Hong Kong	0/1	[Redacted]	<ul style="list-style-type: none"> <li>Detail</li> <li><b>Change Type</b></li> <li>Delete</li> <li>...</li> </ul>
[Redacted]	Contract	Hong Kong	1/1	[Redacted]	...

- Click accelerator's name and then view & manage accelerator under **Overview**
  - You can modify the domain name accessed by users under **Domain Name**.
  - Click **Update Origin Domain name or IP address** to change the domain name or IP address of the origin server.
  - Click **Update Acceleration Regions** to change the acceleration Regions.

**VIP** (Virtual IP address) is the accelerated IP address of each acceleration region, which can be directly accessed by users in this region.

- **Back-Origin IP:** If your origin server has set with access restrictions, please add the back-origin IP to the security group of the origin so that ZGA can send user requests back to the origin successfully.
- **Acceleration Rules:** After changing the application protocol and port, click **Update Acceleration Rules** to take into effect.

#### ➤ Access Control

If you want to restrict user access, you can set the user white list:

Enable **White List**, click **White List Manage**, then click **+New IP** to add the user IP to the whitelist. Then click **Save White List** to validate the whitelist.

*\* If you want to disable the whitelist, simply turn off the green button besides White List.*

- #### ➤ On accelerator list under Action, you can click Delete to delete the accelerator that you won't need. Please note that this action is irretrievable, backup your data before deleting.

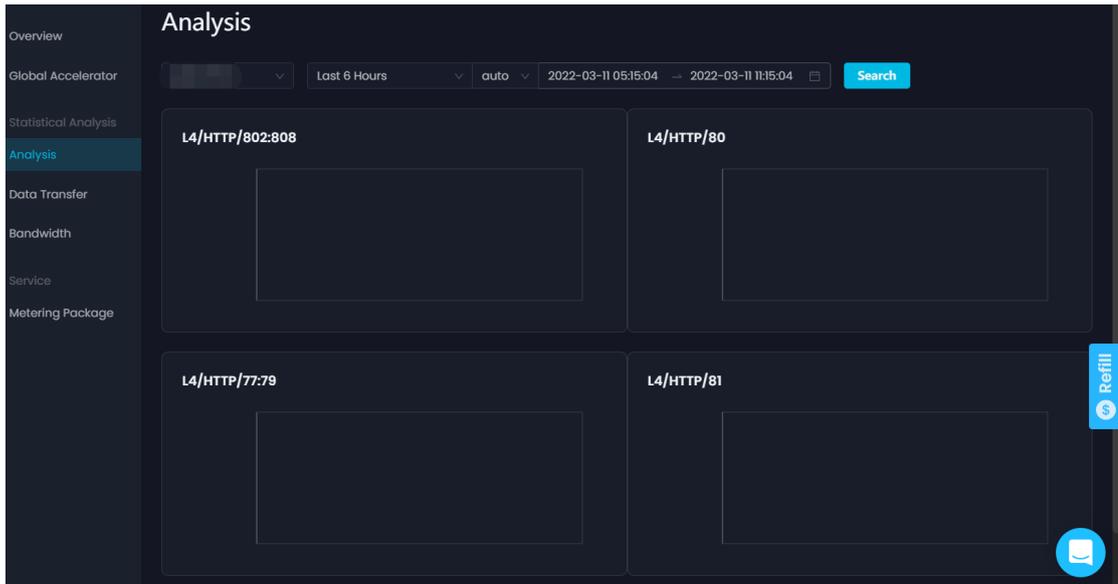
## Statistical Analysis

You can search the bandwidth and data transfer usage of your accelerators on Console.

### 1. Bandwidth

- #### ➤ **Statistical Analysis** → **Analysis** → choose an accelerator → choose the time range (or customize the time at the end) → choose the data interval (auto, 5 minutes, 1 hour or 1 day) → Click **Search:** display the bandwidth usage of all four-layer and seven-layer applications in the accelerator.

*Note: for auto interval, the interval will self adapt depending on the time range.*



- **Statistical Analysis → Bandwidth**: select the time range and data display interval, display the total bandwidth usage of all your accelerators and each acceleration line.



- The Overview page displays the total bandwidth usage of different accelerator types: the total bandwidth of all accelerators of Contract type, and the total bandwidth of all accelerators of Metering Package type.

## 2. Data Transfer

- **Statistical Analysis → Data Transfer**: choose an accelerator and search the usage of data transfer in last 7 days or last month.



## Operations Upon Overdue

1. If you purchased contracted bandwidth without automatic renewal enabled when placing the order in AWS Marketplace, you can renew the bandwidth before one day after the expiration to continue using ZGA service. After the grace period, your service will be stopped and configuration data will be retained for 7 days. After 7 days, the data will be completely destroyed.
2. If you purchased metering package and cancelled the automatic renewal on Zenlayer Console, after the packet expires, your service will be stopped and configuration data will be retained for 7 days. After 7 days, the data will be completely destroyed.