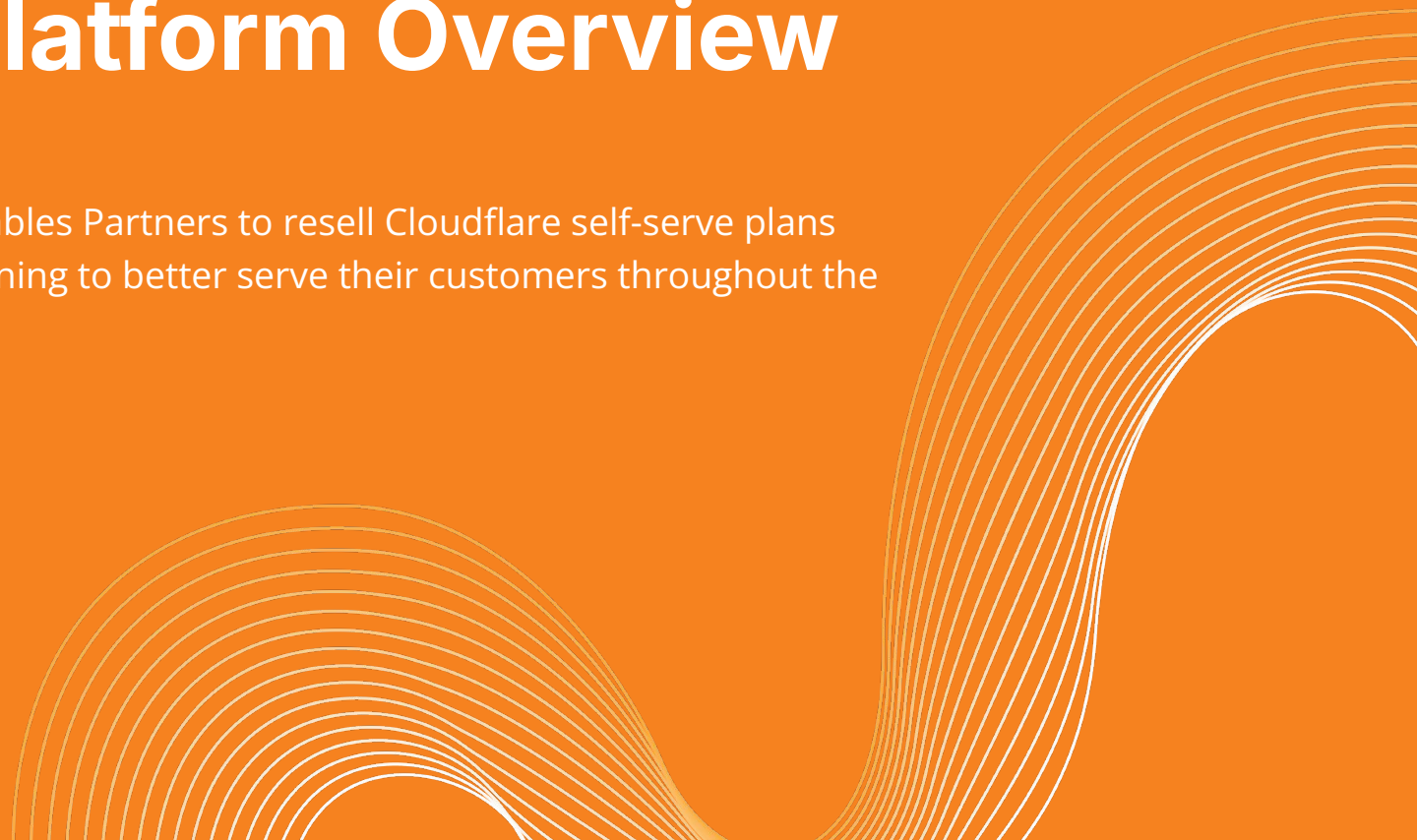


Tenant Platform Overview

The Agency Program enables Partners to resell Cloudflare self-serve plans with automated provisioning to better serve their customers throughout the customer journey.



Agenda

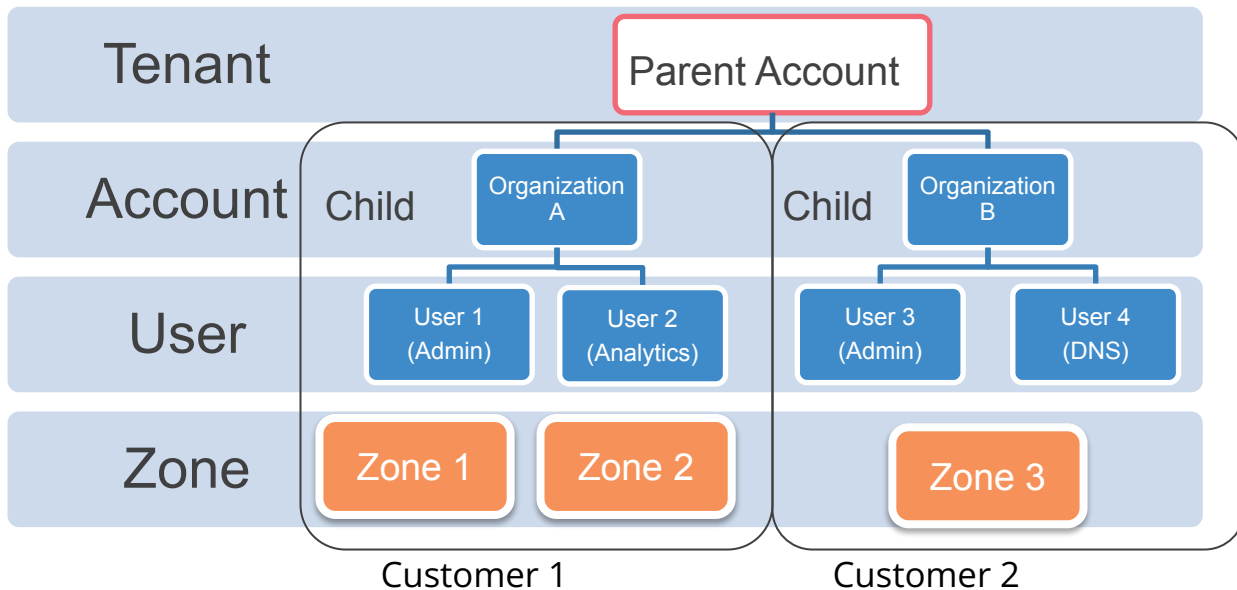
- Tenant API Journey for Partners
- Tenant API Introduction
- Tenant API Workflow
- Terms

Tenant API Introduction

Tenant API Introduction

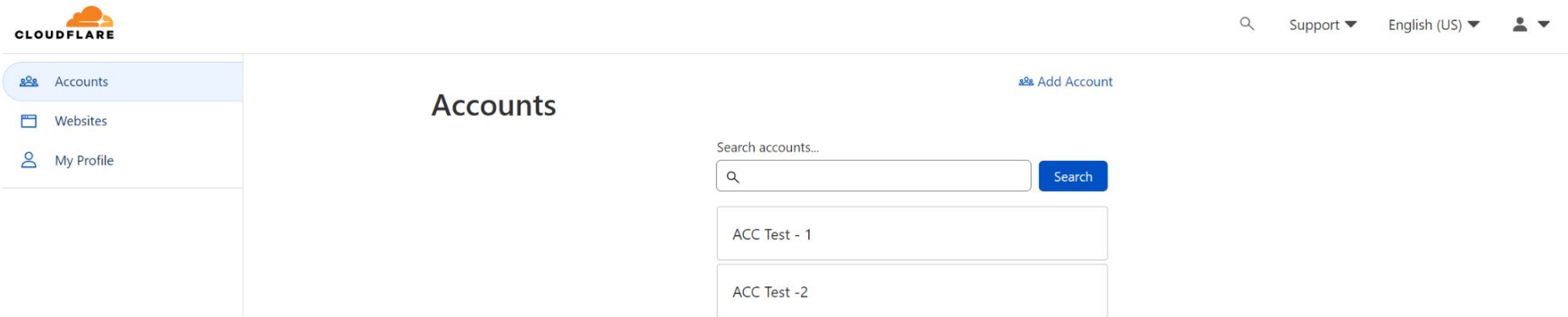
- Partner API provides capability to Partner to provision and manage Cloudflare accounts and services for customers.
- It is an extension of our Client v4 API library to make a streamlined onboarding and setup experience.
- In short, Partner API that enables Partner to:
 - Provisioning resources
 - User access
 - Enabling services
 - Service configuration
- Refer to: <https://developers.cloudflare.com/tenant/>

Tenant API Structure



Tenant UI Workflow

As a Tenant Admin, you will see an 'Add Account' button on the Accounts page.



The screenshot displays the Cloudflare Tenant UI. On the left is a sidebar with the Cloudflare logo and three menu items: 'Accounts' (selected), 'Websites', and 'My Profile'. The main content area is titled 'Accounts' and features an 'Add Account' button in the top right corner. Below the title is a search bar with the placeholder text 'Search accounts...' and a 'Search' button. The search results list two accounts: 'ACC Test - 1' and 'ACC Test - 2'.

**CLOUDFLARE**

Search

Support ▾ English (US) ▾ 

Accounts

Add Account

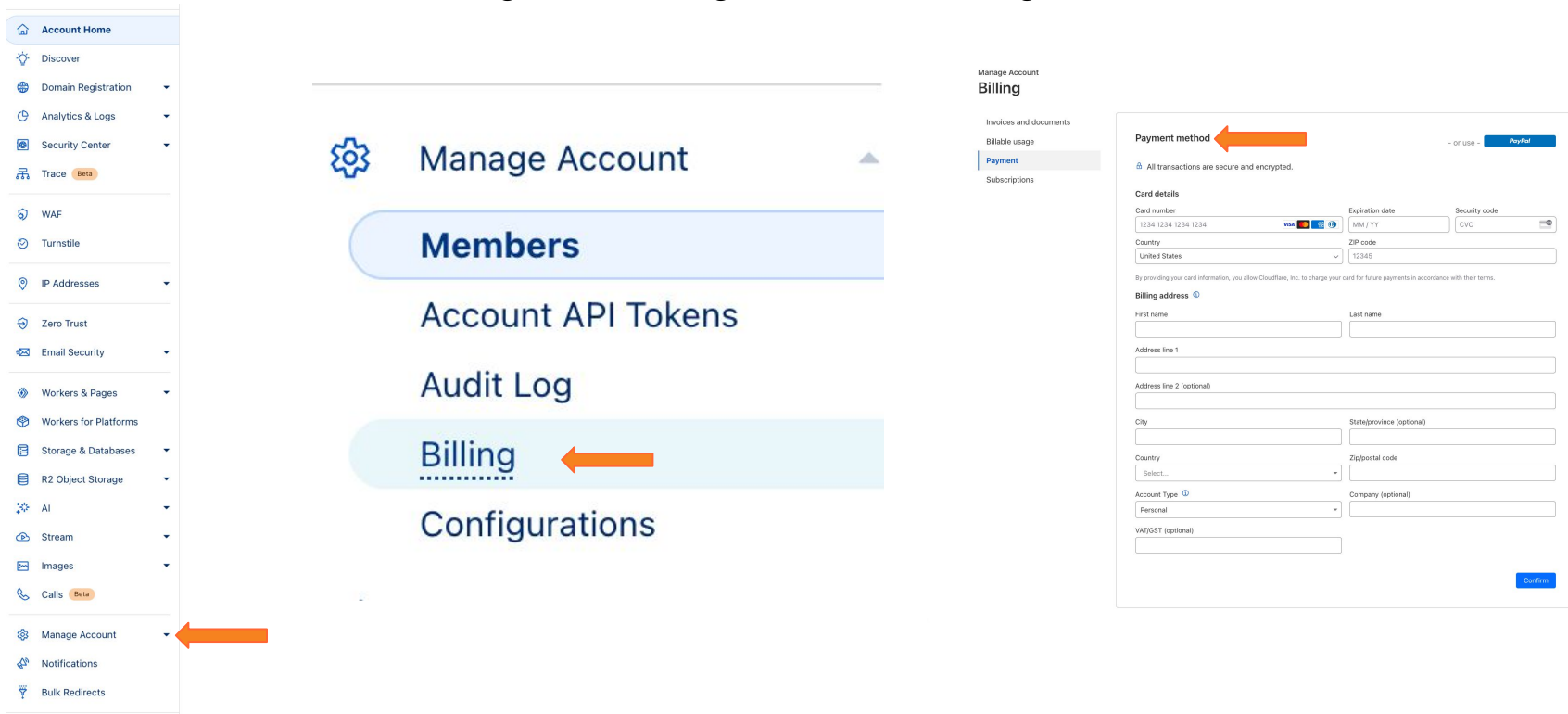
Search accounts...

Search

ACC Test - 1

ACC Test - 2

You will need to make sure your Billing details are added by selecting your tenant account, then in the Account Home, navigate to Manage Account → Billing



The screenshot displays the Cloudflare Tenant UI. On the left is a sidebar menu with the following items: Account Home, Discover, Domain Registration, Analytics & Logs, Security Center, Trace (Beta), WAF, Turnstile, IP Addresses, Zero Trust, Email Security, Workers & Pages, Workers for Platforms, Storage & Databases, R2 Object Storage, AI, Stream, Images, Calls (Beta), Manage Account, Notifications, and Bulk Redirects. An orange arrow points to the 'Manage Account' item. The main content area shows the 'Manage Account' page with a gear icon and a list of options: Members, Account API Tokens, Audit Log, Billing (highlighted with an orange arrow), and Configurations. To the right of the main content is a 'Manage Account' sidebar with 'Billing' selected. The 'Billing' page shows 'Payment method' as the active tab, with a note that all transactions are secure and encrypted. Below this is a 'Card details' section with fields for Card number, Expiration date, Security code, Country, and ZIP code. A 'Billing address' section follows with fields for First name, Last name, Address line 1, Address line 2 (optional), City, State/province (optional), Country, and Zip/postal code. At the bottom, there are fields for Account Type (set to Personal) and Company (optional), and a VAT/GST (optional) field. A 'Confirm' button is at the bottom right.

You can then create a new “Standard” account for your customers.

**CLOUDFLARE**

Go to... Support ▼ English ▼ 

Accounts

Websites

My Profile

Tenants

Create A New Account

Account Name

Account Description

Tenant Unit

Select... ▼

☐ Enterprise Account (Enterprise permissions required)
Provides Enterprise-level account features

☒ Standard Account
Available for Self-Serve Subscriptions

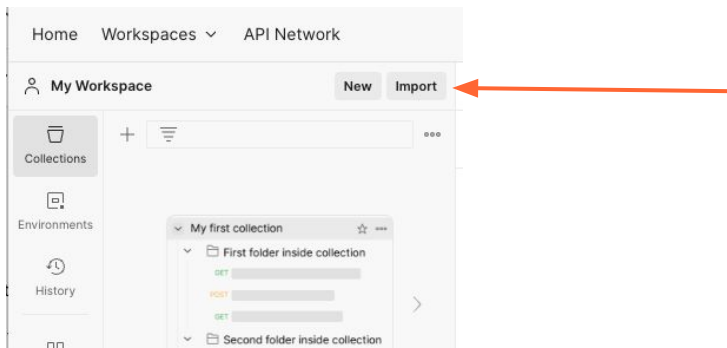
Add Account

Tenant API Workflow

Postman (optional)

You can use Postman to make Tenant API calls by following these steps

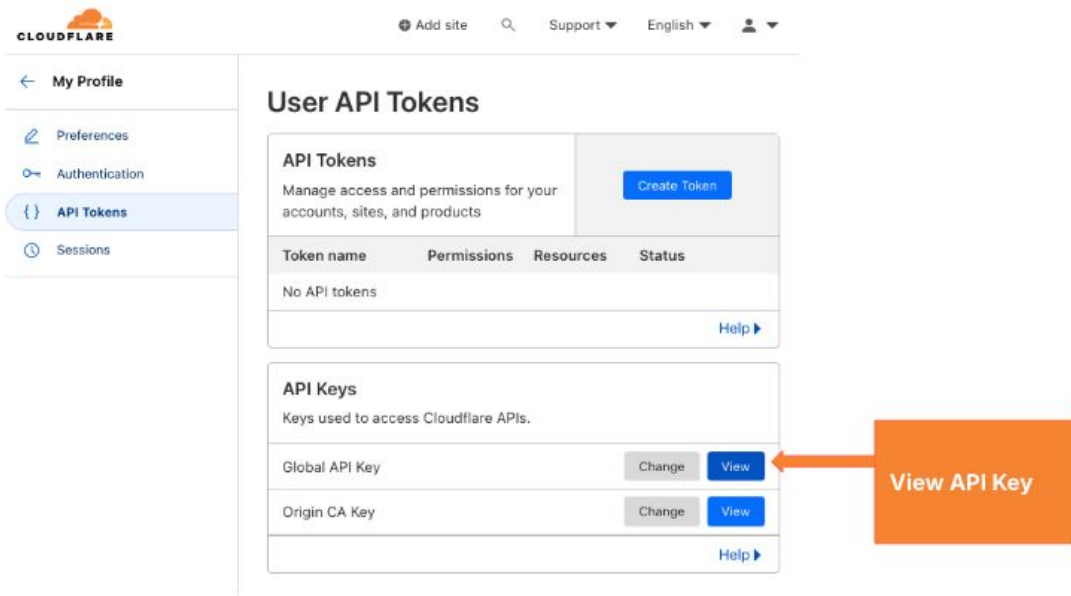
1. Sign up for a FREE account at <https://www.postman.com/>
2. Navigate to your workspace and click the Import button



3. Enter this URL for the Cloudflare Tenant API Postman collection:
 - a. https://api.postman.com/collections/37686471-89c73e35-d75f-4533-bd36-55d78e8aa2f7?access_key=PMAT-01JHP6SH0QYCS4TGD5QFD3M2XK
4. The Tenant API calls now be used in Postman using your email and API Key - please watch the demo video

Global API Key

- Log in to the [Cloudflare dashboard](#) and go to **User Profile > API Tokens**.
- In the **API Keys** section, click **View** button of **Global API Key**.



The screenshot shows the Cloudflare dashboard's 'User API Tokens' section. On the left is a sidebar with 'My Profile', 'Preferences', 'Authentication', 'API Tokens' (selected), and 'Sessions'. The main content area is titled 'User API Tokens' and contains two sections: 'API Tokens' and 'API Keys'. The 'API Tokens' section has a 'Create Token' button and a table with columns 'Token name', 'Permissions', 'Resources', and 'Status', currently showing 'No API tokens'. The 'API Keys' section has a description 'Keys used to access Cloudflare APIs.' and a table with columns 'Key name', 'Permissions', 'Resources', and 'Status'. The table lists 'Global API Key' and 'Origin CA Key'. For each key, there are 'Change' and 'View' buttons. An orange arrow points from a box labeled 'View API Key' to the 'View' button of the 'Global API Key' row.

Token name	Permissions	Resources	Status
No API tokens			

Key name	Permissions	Resources	Status
Global API Key	Change	View	
Origin CA Key	Change	View	

Tenant API Workflow (Reference)

Create Account

- Create an account using the Dashboard. ([Documentation](#))
- Or make an API call. See sample request:

```
curl "https://api.cloudflare.com/client/v4/accounts" \  
--header "Content-Type: application/json" \  
--header "X-Auth-Email: <EMAIL>" \  
--header "X-Auth-Key: <API_KEY>" \  
--data \  
{  
  "name": "<ACCOUNT_NAME>",  
  "type": "standard"  
}
```

Tenant API Workflow



- Invite customer as a member of the created Account. Details [here](#) - **Direct Cloudflare dashboard access**

```
curl 'https://api.cloudflare.com/client/v4/accounts/<CUSTOMER_ACCOUNT_ID>/members' \
--header "Content-Type: application/json" \
--header "X-Auth-Email: <EMAIL>" \
--header "X-Auth-Key: <API_KEY>" \
--data '{
  "email": "<CUSTOMER_EMAIL>",
  "roles": ["<USER_ROLE>"]
}'
```

- CUSTOMER_ACCOUNT_ID: Account ID from Create Account step
- USER_ROLE: Recommend to use Administrator role value : "05784afa30c1afe1440e79d9351c7430"

Tenant API Workflow

Create Account

Grant user
access

[Cloudflare]: You've been invited to join and manage an account on
Cloudflare Inbox x

Cloudflare <noreply@notify.cloudflare.com>

Mon, Oct 18, 9:12 PM (9 days ago)



to me ▾

Hi,

You've been invited to join and manage an account on Cloudflare:

account: Zoe tenant Test

invited by: [z](#)

1

To accept click on the following link:

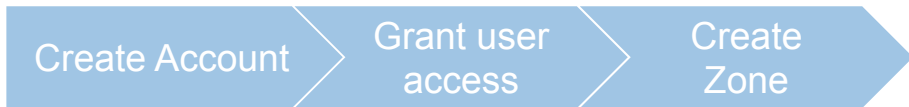
<https://dash.cloudflare.com/memberships?code=6b37d6a23d3f1379fe64599c01efdd3230dcbea83ddb29fc0707e5b44999c445>

This invitation will expire on Thu, Oct 21, 2021 1:12 pm GMT+0000.

Thanks,
The Cloudflare Team

```
{"id":"05784afa30c1afe1440e79d9351c7430","name":"Administrator"}  
{"id":"5c35d2bf3a545e6b7560b826c0d23c39","name":"Minimal Account Access"}
```

Tenant API Workflow



- Create a zone under the org. Details [here](#) - **Create a zone**.

```
curl "https://api.cloudflare.com/client/v4/zones" \
--header "Content-Type: application/json" \
--header "X-Auth-Email: <EMAIL>" \
--header "X-Auth-Key: <API_KEY>" \
--data '{
  "name": "example.com",
  "account": {
    "id": "<CUSTOMER_ACCOUNT_ID>"
  }
}'
```

- **Creating a Zone can also be done via the dashboard**

Tenant API Workflow



- Upgrade the zone to a self-serve plan. Details [here](#) - **Create a zone subscription.**

```

curl 'https://api.cloudflare.com/client/v4/zones/<ZONE_ID>/subscription' \
--header "Content-Type: application/json" \
--header "X-Auth-Email: <EMAIL>" \
--header "X-Auth-Key: <API_KEY>" \
--data '{
  "rate_plan": {
    "id": "<RATE_PLAN>"
  }
}'
  
```

- ZONE ID: Zone id from Create Zone step
- RATE_PLAN: Rate plan identifier must be one of the following:
 - "CF_FREE":
 - "CF_PRO_20_20"
 - "CF_BIZ"
- Upgrades and Add-Ons can also be done via the dashboard - Details [here](#)

Other Commands

Fetch accounts

```
curl -X GET https://api.cloudflare.com/client/v4/accounts -H 'x-auth-email: <x-auth-email>' -H 'x-auth-key: <x-auth-key>'
```

Delete Account. Account deletion is permanent and will delete any zones or other resources under the account.

```
curl -X DELETE https://api.cloudflare.com/client/v4/accounts/<account_id> -H 'x-auth-email: <x-auth-email>' -H 'x-auth-key: <x-auth-key>'
```

Create A Zone - FULL Setup

```
curl -sX POST https://api.cloudflare.com/client/v4/zones -H 'Content-Type: application/json' -H 'x-auth-email: EMAIL@EMAIL.COM' -H 'x-auth-key: AUTHKEYHERE' -d '{ "name": "DOMAINNAME.COM", "account": { "id": "ACCOUNT-ID-HERE" } }'
```

Create A Zone - CNAME Setup

```
curl -sX POST https://api.cloudflare.com/client/v4/zones -H 'Content-Type: application/json' -H 'x-auth-email: EMAIL@EMAIL.COM' -H 'x-auth-key: AUTHKEYHERE' -d '{ "type": "partial", "name": "DOMAINNAME.COM", "jump_start": true, "account": { "id": "ACCOUNT-ID-HERE" } }'
```

Change Zone to PARTIAL or FULL DNS

```
curl -sX PATCH https://api.cloudflare.com/client/v4/zones/ZONE-ID-HERE -H 'Content-Type: application/json' -H 'x-auth-email: EMAIL@EMAIL.COM' -H 'x-auth-key: AUTHKEYHERE' -d '{ "type": "partial" } '
```

```
curl -sX PATCH https://api.cloudflare.com/client/v4/zones/ZONE-ID-HERE -H 'Content-Type: application/json' -H 'x-auth-email: EMAIL@EMAIL.COM' -H 'x-auth-key: AUTHKEYHERE' -d '{ "type": "full" } '
```

Other Commands

Set Subscription to the default FREE plan (deleting the existing zone rate plan changes the zone plan to FREE)

```
curl -sX DELETE https://api.cloudflare.com/client/v4/zones/ZONE-ID-HERE/subscription -H 'Content-Type: application/json' -H 'x-auth-email: EMAIL@EMAIL.COM' -H 'x-auth-key: AUTHKEYHERE' -d '{"rate_plan": {"id": "PARTNERS_ENT"}}'
```

Create account subscriptions

```
curl -X POST https://api.cloudflare.com/client/v4/accounts/<account id>/subscriptions -H 'Content-Type: application/json' -H 'x-auth-email: <x-auth-email>' -H 'x-auth-key: <x-auth-key>' -d '{"rate_plan": {"id": "PARTNERS_RATE_LIMITING"}}'
```

Delete Account Subscription

```
curl -X DELETE "https://api.cloudflare.com/client/v4/accounts/<account id>/subscriptions/<subscriptions_id>" \
-H "X-Auth-Email: user@example.com" \
-H "X-Auth-Key: <x-auth-key>" \
-H "Content-Type: application/json"
```

Available Subscriptions

Self-Serve Zone Subscriptions

CF_FREE
CF_PRO_20_20
CF_BIZ

Self-Serve Account Subscriptions

ARGO_ZONE_BASIC
WORKERS_BASIC
WORKERS_PAID
LOAD_BALANCING_BASIC_PLUS
STREAM_BASIC
IMAGES_BASIC
ACCESS_BASIC
ACCESS_BASIC
ACCESS_PREMIUM
RATE_LIMITING_BASIC
IMAGE_RESIZING_BASIC
WEB3_IPFS_BASIC
WEB3_IPFS_PREMIUM
WEB3_ETHEREUM_BASIC
WEB3_ETHEREUM_PREMIUM
SECURE_WEB_GATEWAY_PRO
SECURE_WEB_GATEWAY_BIZ
TEAMS_FREE
TEAMS_STANDARD
TEAMS_ACCESS
TEAMS_GATEWAY
WAITING_ROOMS_BASIC

<https://developers.cloudflare.com/tenant/reference/subscriptions/>

Additional documentation:

- **Tenant API Video Walkthrough:**
https://drive.google.com/file/d/12_TnGlk-jc_xSsthwICWWItO5oYsN55T/view?usp=sharing
- **Agency Program FAQ one pager:**
https://docs.google.com/presentation/d/1ZV_OL2I-yReE--RHBYefHPD_x1aTwwcnFZ_Ws1YeP_s/edit?usp=sharing
- **How to create/add a new account:**
<https://developers.cloudflare.com/tenant/how-to/manage-accounts/>
- **How to manually migrate zones to your tenant account:**
<https://developers.cloudflare.com/fundamentals/setup/manage-domains/move-domain/>
- **Tenant documentation:** <https://developers.cloudflare.com/tenant/>