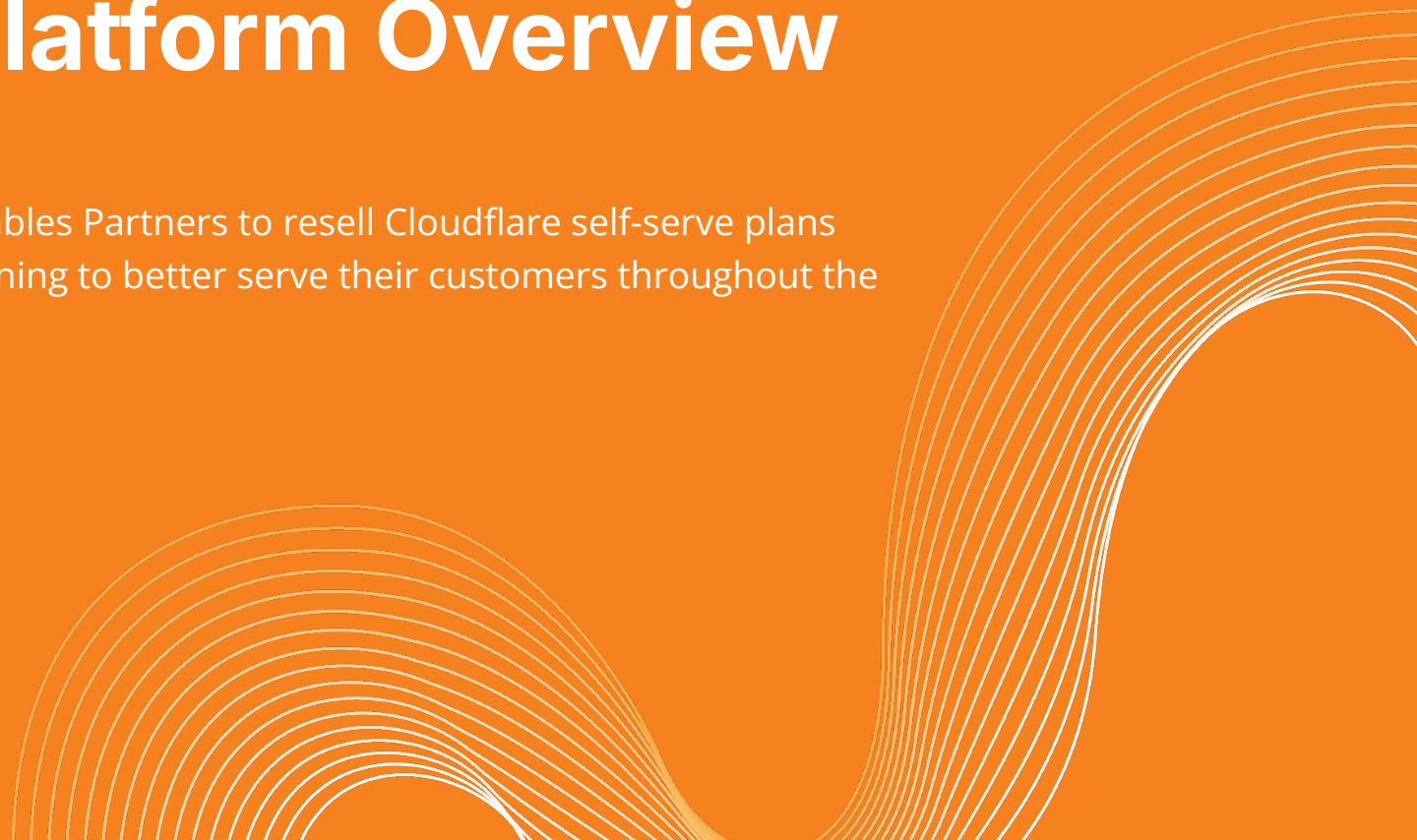# Tenant Platform Overview

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

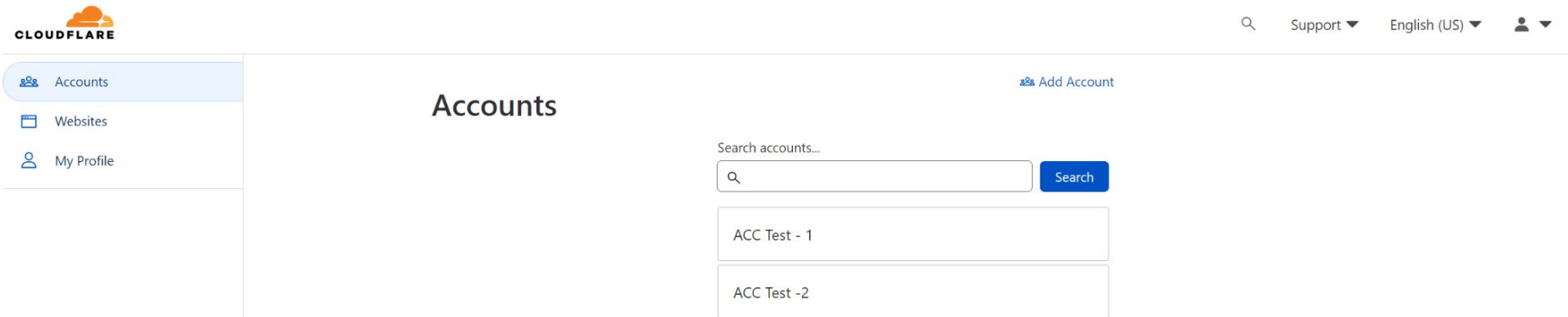# Tenant API Introduction

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
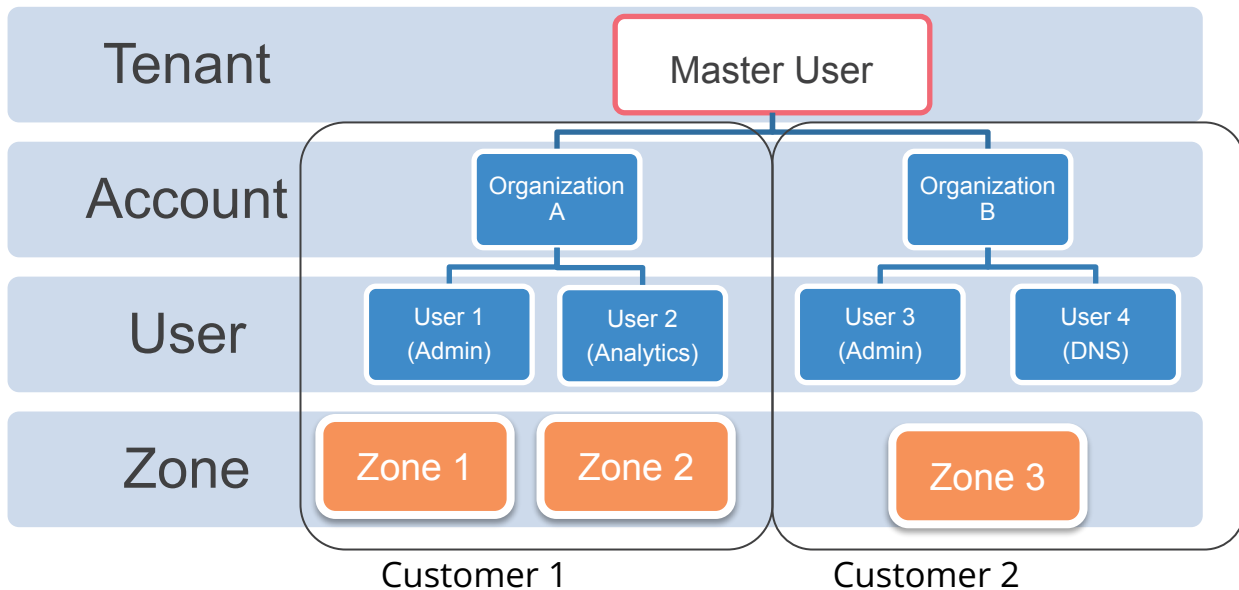
Tenant UI Workflow

As a Tenant Admin, you will see an 'Add Account' button on the Accounts page.
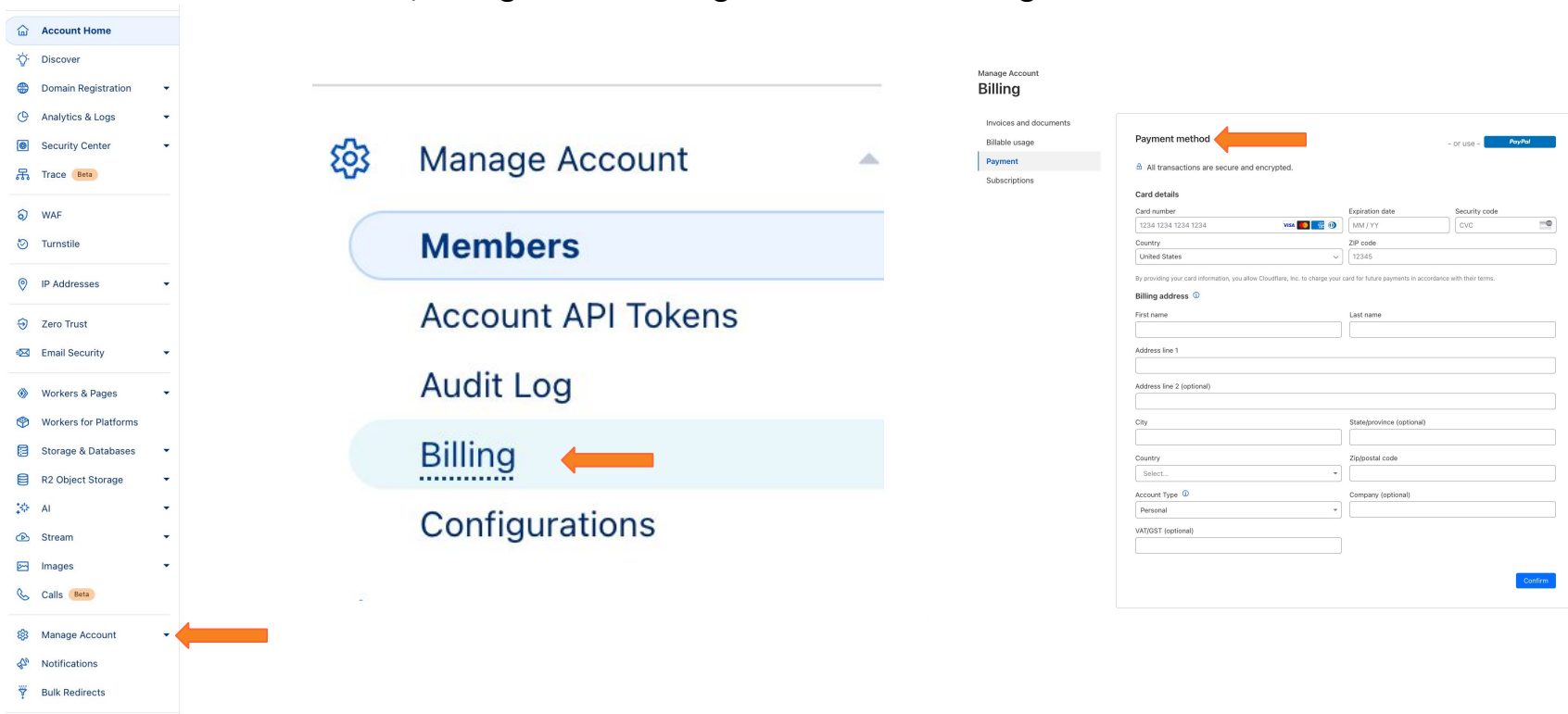
You will need to make sure your Billing details are added by selecting your tenant account, then in the Account Home, navigate to Manage Account→ Billing

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You can then create a new "Standard" account for your customers.
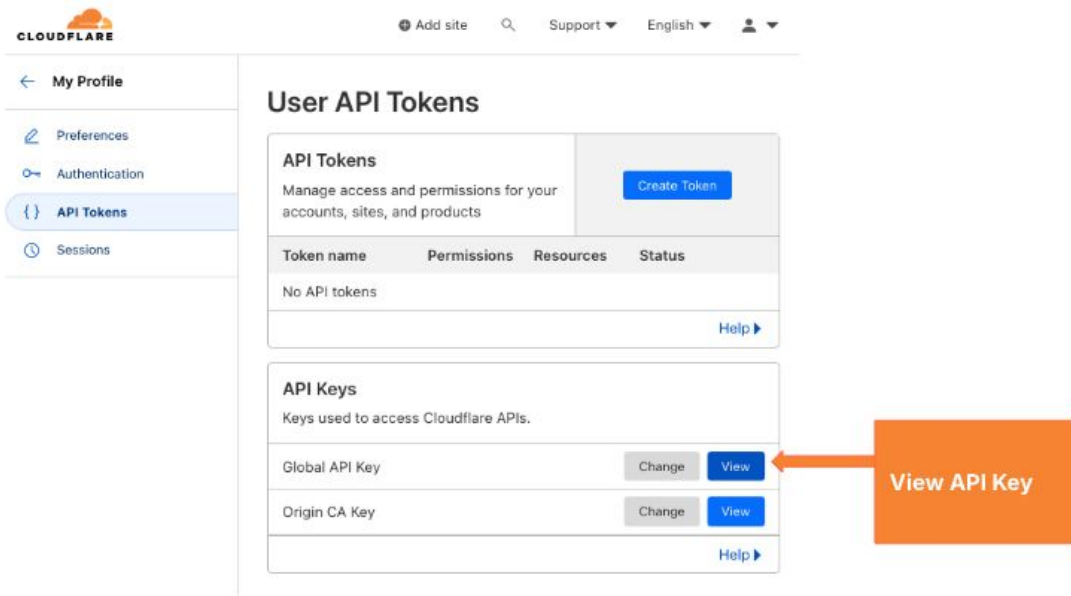
Tenant API Workflow

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**.

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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

Create Account → Grant user access

- Invite customer as a member of the created Account。Details <u>here</u> **- 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"

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Tenant API Workflow

Create Account ➤ Grant user access

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

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

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Tenant API Workflow

Create Account ⟩ Grant user access ⟩ Create Zone
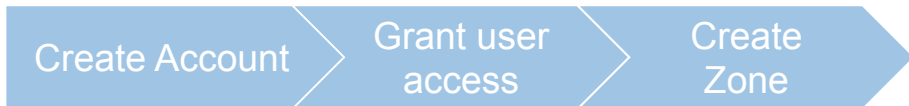
- Create a zone under the org. Details <u>here</u> **- Create a zone**。

```
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**

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Tenant API Workflow

Create Account 〉 Grant User Access 〉 Create Zone 〉 Assign Plan to Zone

- 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"
```

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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:

- **Agency Program FAQ one pager:**
  https://docs.google.com/presentation/d/1ZV_OL2l-yReE--RHBYefHPD__x1aTwwcnFZWs1YeP_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/