

AQUILA - Cloudflare Integration

Cloudflare Logs Integration Manual

Cloudflare logs provide detailed insights into client connections, request paths through the Cloudflare network, and origin server responses. These logs help track activity, identify issues, and support security and performance analysis.

Authentication Options

You can configure log retrieval using the following authentication methods:

1. **Auth Email and Auth Key**
2. **API Token**

For detailed information on authentication, refer to the [Cloudflare API documentation](#).

1. Configure Using Auth Email and Auth Key

To set up using this method, you need:

- **Auth Email:** The email address associated with your Cloudflare account.
- **Auth Key:** Your global API key, available on the My Profile page.
- **Zone ID:** The unique identifier of your [Cloudflare zone](#), available in the zone's dashboard.

These credentials must be included in the request headers:

- `X-Auth-Email`: Your account email.
- `X-Auth-Key`: Your global API key.

For more details, refer to Cloudflare's authentication headers guide.

2. Configure Using API Token

To set up using an API token, you need:

- **API Token**: A token with appropriate permissions.
- **Zone ID**: As noted above, can be found in your Cloudflare zone dashboard.

Minimum Required Permissions for the API Token:

- `Account.Access: Audit Logs: Read`
- `Account.Account: Settings: Read`

API Tokens are preferred for security as they support fine-grained access control. Create and manage tokens via the API Tokens dashboard.

Manage Account > Account API Tokens > Custom Token > Get Started

The screenshot shows the Cloudflare dashboard for creating a custom API token. The sidebar on the left has 'Manage Account' and 'Account API Tokens' highlighted. The main content area is titled 'Create Custom Token' and includes a 'Token name' field with the value 'test-support'. Below this is a 'Permissions' section with two rows of dropdown menus: 'Account' and 'Access: Audit Logs' with a 'Read' permission, and 'Account' and 'Account Settings' with a 'Read' permission. There are also sections for 'Client IP Address Filtering' and 'TTL'.

Account API Tokens

Manage account owned API tokens. User owned API tokens are found in the 'My Profile' section.

[API tokens documentation](#)

Not all APIs are guaranteed to support usage of Account Owned Tokens. Supported APIs are listed in the developer documentation.

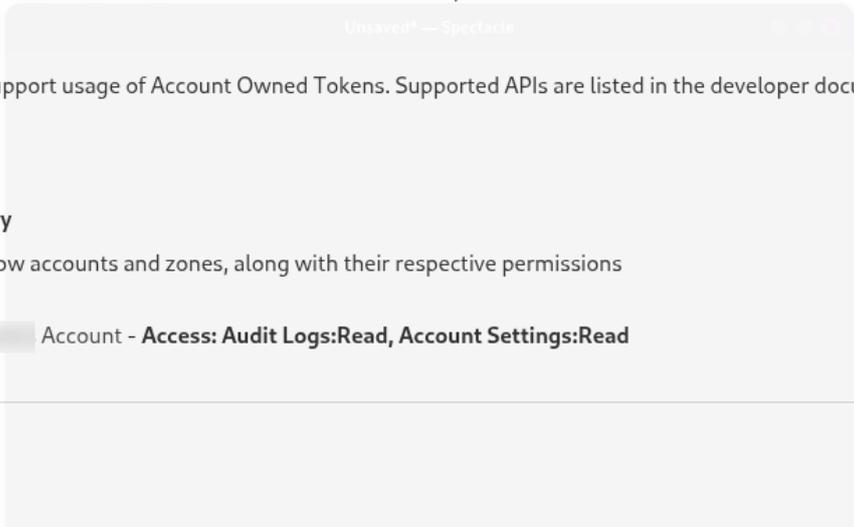
[← Edit token](#)

test-support API token summary

This API token will affect the below accounts and zones, along with their respective permissions

Account - Access: Audit Logs:Read, Account Settings:Read

Cancel Create Token



Account API Tokens

Manage account owned API tokens. User owned API tokens are found in the 'My Profile' section.

[API tokens documentation](#)

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test-support API token was successfully created

Copy this token to access the Cloudflare API. For security this will not be shown again. [Learn more](#)



Test this token

To confirm your token is working correctly, copy and paste the below CURL command in a terminal shell to test.

```
curl "https://api.cloudflare.com/client/v4/accounts/e7eb7f1a1476d7b27f134e55b1a346d6/tokens/verify" \
-H "Authorization: Bearer Qk9Yx6Ip1wErvB-V090wRMyLl-il4kXrD8dpAnb3"
```

```
curl -X GET "https://api.cloudflare.com/client/v4/user/tokens/verify" \
-H "Authorization: Bearer <token>" \
-H "Content-Type: application/json"
```

```
(tech01@tech-support)-[~]
$ curl "https://api.cloudflare.com/client/v4/accounts/.../tokens/verify" \
-H "Authorization: Bearer ..."
{"result":{"id":"...", "status":"active"}, "success":true, "errors":[], "messages":[{"code":10000, "message":"This API Token is valid and active", "type":null}]}
```

Log Types

Audit Logs

Audit logs provide a record of configuration changes within your Cloudflare account, including:

- Logins/logouts
- DNS setting changes
- Modifications to Firewall, Caching, Page Rules, Speed, Network, and Traffic features

These logs are essential for tracking administrative activity and detecting unusual behavior.

If you need further assistance, kindly contact our support at support@cytechint.com for prompt assistance and guidance.

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