NG SIEM - Cloudflare Integration

Introduction

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(Depreciated)**
2. **API Token**

For detailed information on authentication, refer to the **Cloudflare API documentation**.

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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.

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2. Configure Using API Token

To set up using an API token, you need:

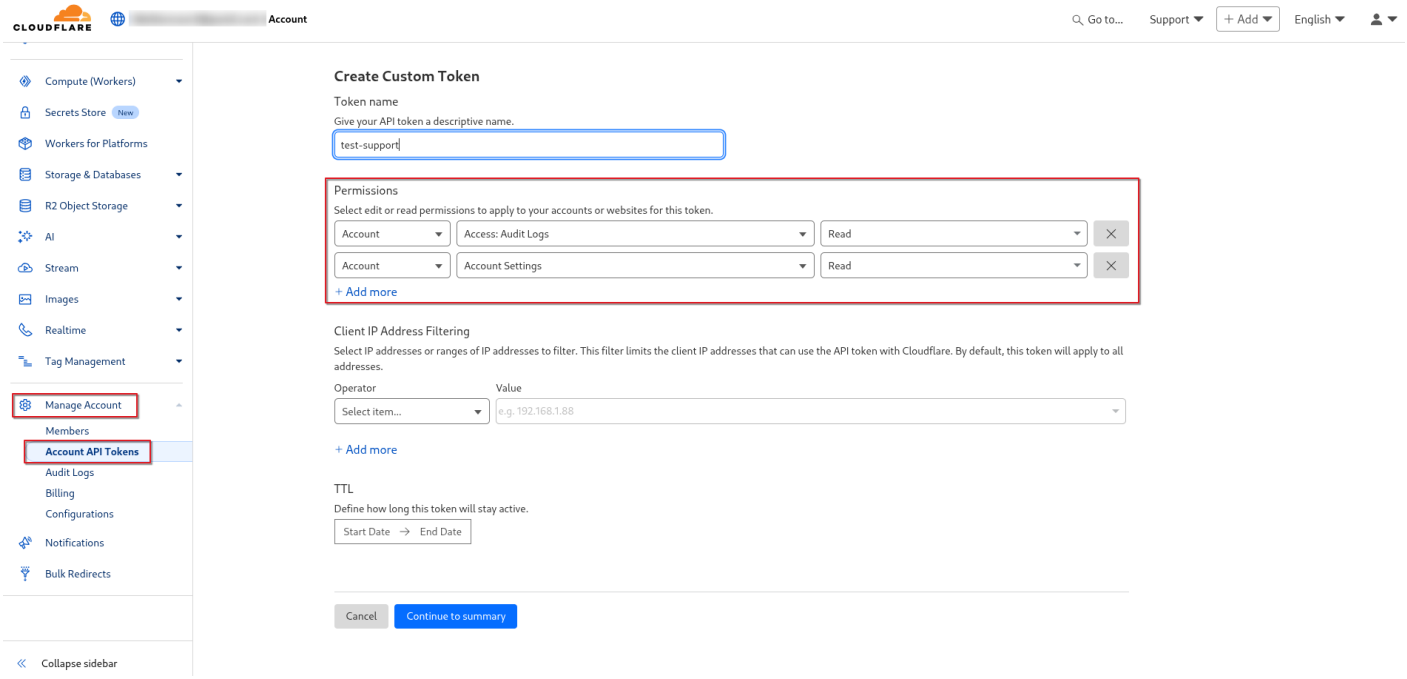
- **API Token**: A token with appropriate permissions.
- **Zone ID**: As noted above, can be found in your Cloudflare zone dashboard.

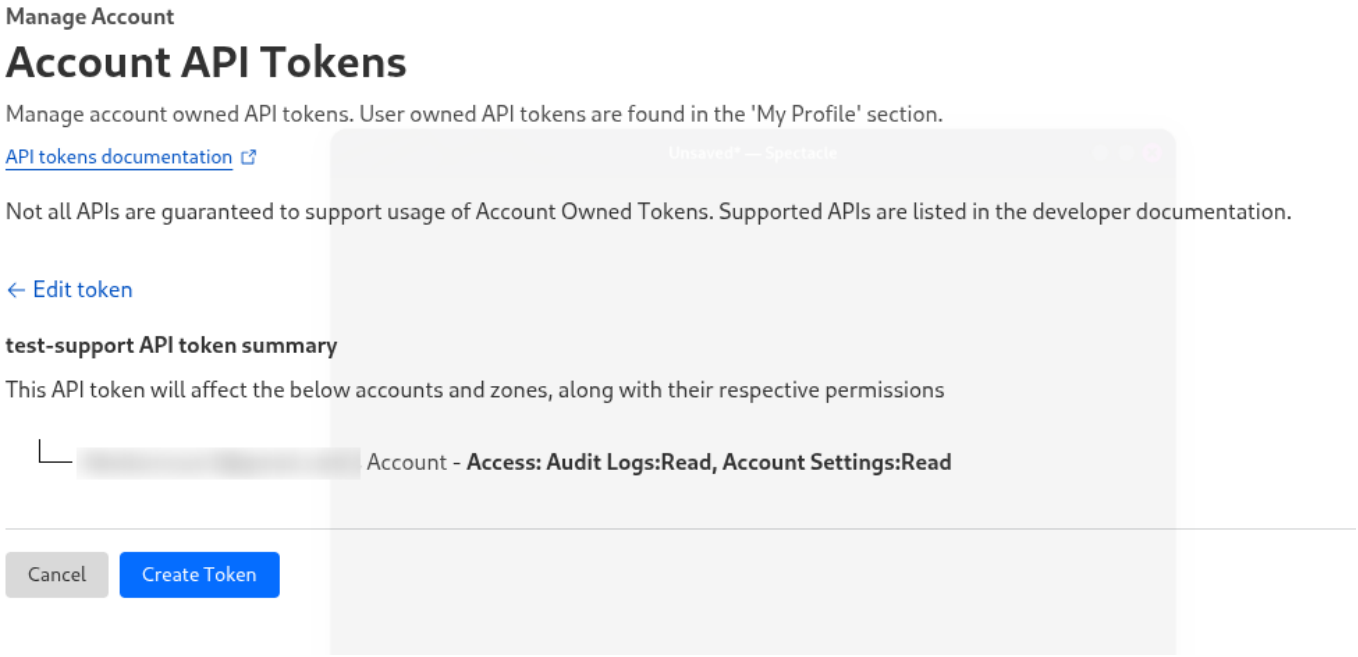
Minimum Required Permissions for the API Token:

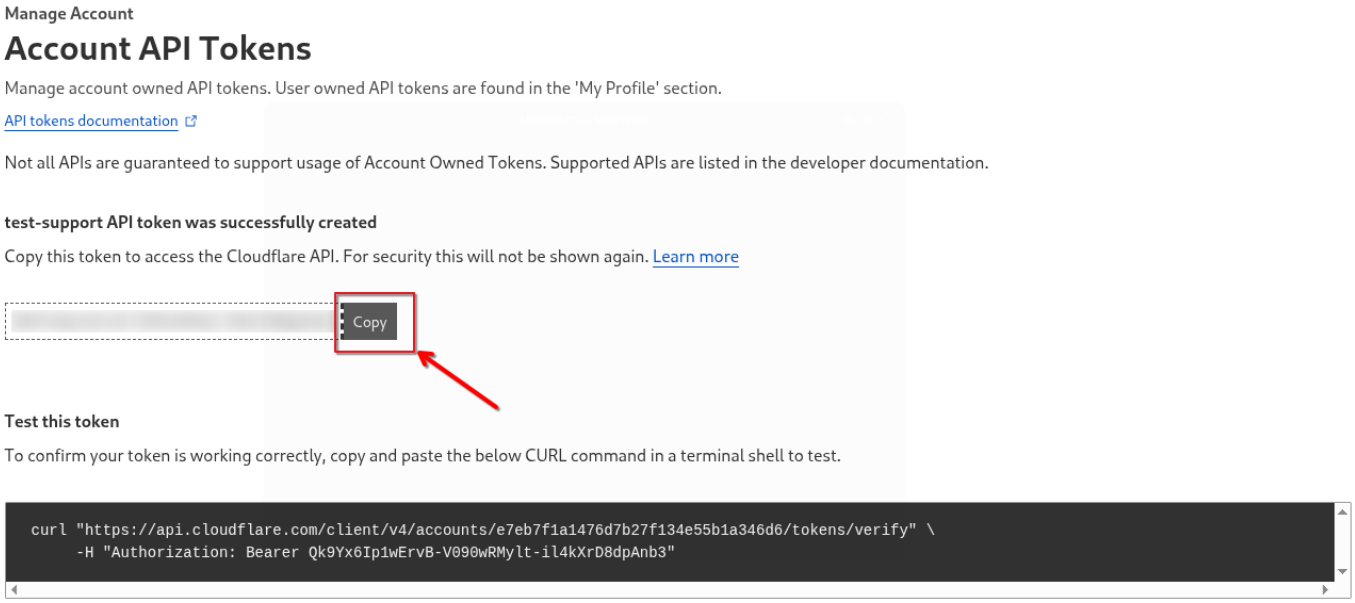
- `Account.Access:Audit Logs:Read`
- `Account.Account:Settings:Read`

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

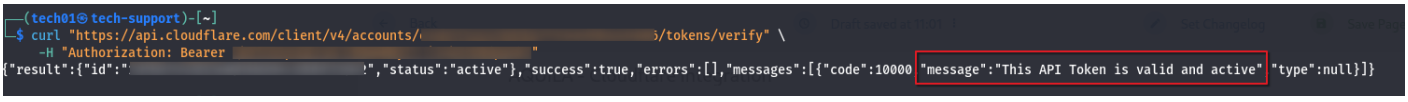
Manage Account>Account API Tokens>Custom Token>Get Started








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



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.

> To enable log collection from the Cloudflare API token, provide the following information to **CyTech Support**:

- **Account ID**
- **API Token**

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

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