

readme.md for @apiclient.xyz/abuse.ch

“📦 Unofficial TypeScript/JavaScript client for retrieving threat intelligence data from abuse.ch

Access real-time malware URLs, malicious indicators of compromise (IOCs), and botnet C&C servers through a clean, type-safe API.

Issue Reporting and Security

For reporting bugs, issues, or security vulnerabilities, please visit community.foss.global/. This is the central community hub for all issue reporting. Developers who sign and comply with our contribution agreement and go through identification can also get a code.foss.global/ account to submit Pull Requests directly.

What is abuse.ch?

abuse.ch is a community-driven platform operated by a Swiss security researcher that tracks and shares threat intelligence data. This module provides programmatic access to three key abuse.ch services:

- **URLhaus** - Malware URL distribution database
- **ThreatFox** - Indicators of Compromise (IOC) sharing platform
- **FeodoTracker** - Botnet C&C server tracker

Installation

```
npm install @apiclient.xyz/abuse.ch  
# or  
pnpm install @apiclient.xyz/abuse.ch
```

Usage

URLhaus - Retrieve Malicious URLs

```
import { UrlHaus } from '@apiclient.xyz/abuse.ch';

const urlHaus = new UrlHaus();
const maliciousUrls = await urlHaus.getData();

console.log(maliciousUrls[0]);
// {
//   ID: '12345',
//   Dateadded: '2025-01-15 10:30:00',
//   URL: 'http://malicious-example.com/malware.exe',
//   URLStatus: 'online',
//   Threat: 'malware_download',
//   AssociatedTags: 'emotet',
//   UrlHausLink: 'https://urlhaus.abuse.ch/url/12345/',
//   Reporter: 'abuse_ch'
// }
```

ThreatFox - Access IOC Data

```
import { ThreatFox } from '@apiclient.xyz/abuse.ch';

const threatFox = new ThreatFox();
const iocs = await threatFox.getData();

console.log(iocs[0]);
// {
//   ID: '67890',
//   Dateadded: '2025-01-15 11:45:00',
//   URL: 'http://c2-server.example.com',
//   URLStatus: 'online',
//   Threat: 'botnet_cc',
//   AssociatedTags: 'mirai',
//   ThreatFoxLink: 'https://threatfox.abuse.ch/ioc/67890/',
// }
```

```
// Reporter: 'researcher_name'  
// }
```

FeodoTracker - Track Botnet C&C Servers

```
import { FeodoTracker } from '@apiclient.xyz/abuse.ch';  
  
const feodoTracker = new FeodoTracker();  
const c2servers = await feodoTracker.getData();  
  
console.log(c2servers[0]);  
// {  
//   ip_address: '192.0.2.100',  
//   port: 8080,  
//   status: 'online',  
//   hostname: 'malicious.example.com',  
//   as_number: 12345,  
//   as_name: 'EXAMPLE-AS',  
//   country: 'US',  
//   first_seen: '2025-01-10',  
//   last_online: '2025-01-15',  
//   malware: 'Emotet'  
// }
```

TypeScript Support

This module is written in TypeScript and provides full type definitions out of the box. All data structures are properly typed for maximum developer productivity and type safety.

```
import type {  
  IUrlHausData,  
  IThreatFoxData,  
  IFeodoTrackerData  
} from '@apiclient.xyz/abuse.ch';
```

Proxy Support

The client automatically detects and uses proxy settings from your environment variables (`HTTP_PROXY`, `HTTPS_PROXY`) when making requests to abuse.ch APIs.

Features

- **Type-safe** - Full TypeScript support with comprehensive interfaces
- **Modern** - Uses ES modules and async/await patterns
- **Lightweight** - Minimal dependencies, focused functionality
- **Proxy-aware** - Automatic proxy detection and configuration
- **Reliable** - Fetches data directly from official abuse.ch sources

API Rate Limits

Please be respectful of abuse.ch's resources. The service is provided free of charge by the security community. Avoid excessive polling and cache results when possible.

Links

- [npm package](#)
- [abuse.ch official website](#)
- [URLhaus](#)
- [ThreatFox](#)
- [FeodoTracker](#)

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Revision #7

Created 2026-03-28 10:48:12 UTC by foss.global Team

Updated 2026-03-28 12:13:22 UTC by foss.global Team