??? API Documentation

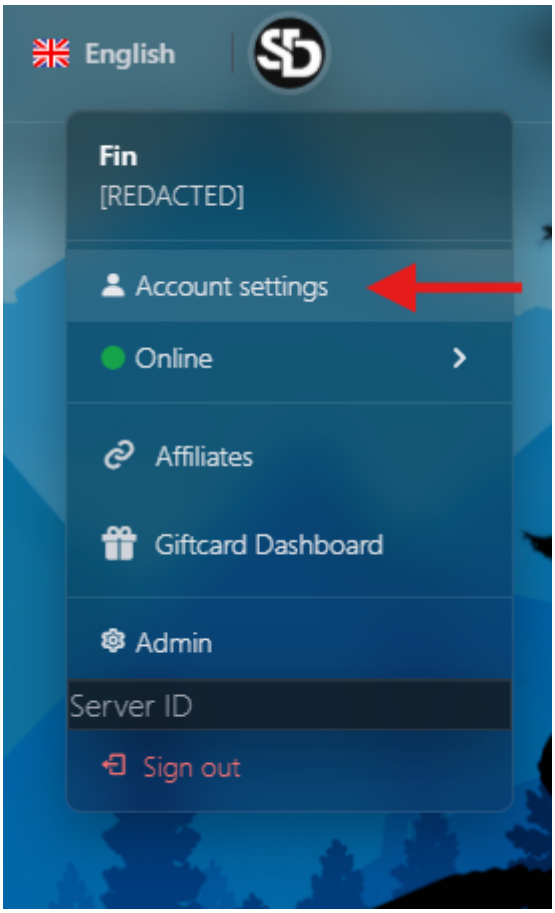
AtomicHost User API

> ⚠ **Security warning — keep your API key private**
>
> Never share your API key with anyone or with an application you do not trust. Anyone with access to it can use the API with the same service permissions as your account.

Generating an API key

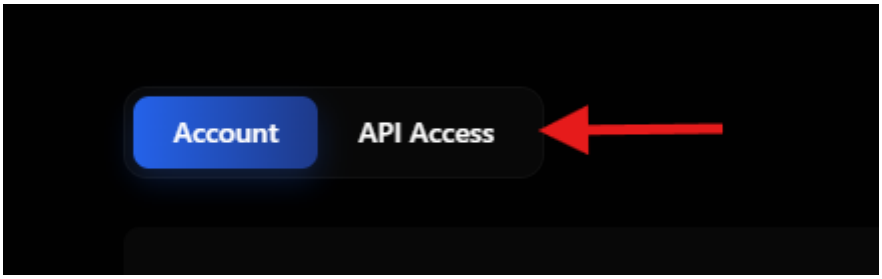
1. Open Account Settings

Select your user icon in the top-right corner, then choose **Account Settings**.



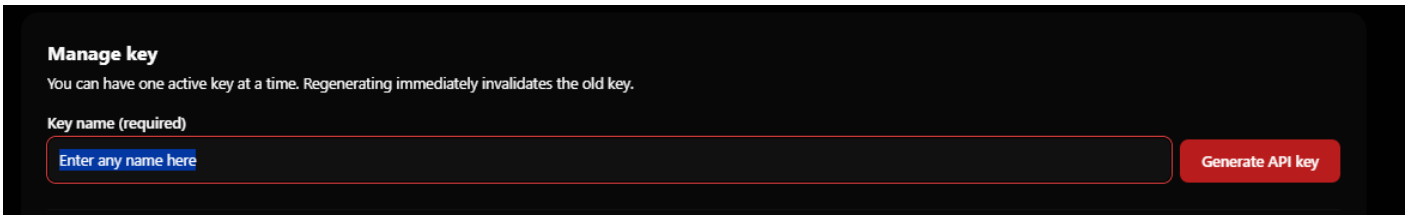
2. Open API Access

Select **API Access**.



3. Name your API key

Scroll to **Manage Key** and enter a name for the key.



4. Generate the key

Select **Generate API Key**.

5. Copy and store the key securely

Select **Copy** and save the key in a secure location, such as a password manager or secrets vault.

Important key details

- Each account can have **one active API key** at a time.
- The full key is shown **only once**, immediately after it is generated.
- Regenerating a key **immediately invalidates** the previous key.
- Keys use this format: `ah_xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx`
- AtomicHost stores only a salted SHA-256 hash of the key, so a lost key **cannot be recovered**.

API overview

The AtomicHost User API allows you to manage your own game services programmatically. It provides the same service access and permissions available through the AtomicHost web panel.

Setting	Value
Base URL	`https://atomichost.xyz/api/client/v1`
Authentication	Bearer API key
Request and response format	JSON
Required response header	`Accept: application/json`
Default daily allowance	**2,500 credits per day**

> **Note:** This API is separate from the administrator **Application API**, which is available at `/api/v1`.

Using the AtomicHost API

1. Authentication

Send your API key in the `Authorization` header as a Bearer token:

```
Authorization: Bearer ah_your_key_here
Accept: application/json
```

Every authenticated request is checked server-side to confirm:

- The API key is valid and active.
- The account exists and is not banned or suspended.
- The account has permission to access the requested service and action.
- The request is within the applicable rate and credit limits.

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2. Credits and rate limits

Two independent protections apply to API usage:

Protection	Default limit	Response when exceeded
Daily credits	2,500 per day, configurable by an administrator	`429 daily_credit_limit_reached`
Per-key rate limit	120 requests per minute	`429 rate_limited`

Credit usage

- Most requests cost **1 credit**.
- Opening a console stream costs **5 credits**.
- Reading from or sending commands while a console stream is already open does not cost additional credits.
- Credits reset once per day using the server's configured timezone.
- Requests that fail because of a server-side `5xx` error are refunded.

Every response includes rate-limit and credit information:

```
X-RateLimit-Limit: 120
X-RateLimit-Remaining: 119
X-Credits-Limit: 2500
X-Credits-Used: 12
X-Credits-Remaining: 2488
X-Credits-Reset: 2026-06-28T00:00:00+00:00
```

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3. Response and error formats

Successful response

```
{
  "success": true,
  "data": {}
}
```

Error response

```
{
  "success": false,
  "error": {
    "code": "forbidden",
    "message": "..."
  }
}
```

HTTP status codes

Status	Meaning
`200` / `201`	Request completed successfully
`401`	API key is missing, invalid, revoked, or expired
`403`	The account is banned, or the user does not have permission for the requested service or action
`404`	The service does not exist or is not accessible by the authenticated user
`422`	Validation failed, such as an invalid path or power signal
`429`	The rate limit or daily credit allowance has been exceeded
`502`	The service backend could not be reached

Common error codes

- `missing_token`
- `invalid_key`
- `account_banned`
- `insufficient_service_permission`
- `feature_unavailable`
- `service_inactive`
- `not_found`
- `validation_failed`
- `rate_limited`
- `daily_credit_limit_reached`
- `too_many_streams`
- `backend_unavailable`

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4. Permission model

The API never grants more access than the AtomicHost website.

For every service action, AtomicHost verifies that:

1. You are the service **owner**, an **administrator**, or a **member** who has been granted the required permission, such as `console`, `files`, or `backups`.
2. The service is **active** and its package includes the requested feature.

When another user shares a service with you, the API only allows the permissions granted by that service's owner.

Service IDs supplied in requests are never trusted. Attempting to access a service that is not available to your account returns `404`, preventing the API from revealing whether that service exists.

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5. Endpoints

Account

`GET /me`

Returns information about the API key owner, the active API key, and the account's current credit usage.

```
curl "https://atomichost.xyz/api/client/v1/me" \
  -H "Authorization: Bearer ah_your_key" \
  -H "Accept: application/json"
```

Example response:


```
{
  "success": true,
  "data": {
    "user": {
      "id": 42,
      "username": "steve",
      "email": "s@example.com"
    },
    "api_key": {
      "name": "My Key",
      "prefix": "ah_ab12cd34",
      "created_at": "2026-06-27T10:00:00+00:00",
      "last_used_at": "2026-06-27T12:00:00+00:00"
    },
    "credits": {
      "limit": 2500,
      "used": 12,
      "remaining": 2488,
      "reset_at": "2026-06-28T00:00:00+00:00",
      "reset_timezone": "UTC"
    }
  }
}
```

Services

`GET /servers`

Lists every service the authenticated user can access, including services they own and services shared with them.

Example response:

```
{
  "success": true,
  "data": [
    {
      "id": 101,
      "name": "My Rust Server",
      "status": "active",
      "service": "pterodactyl",
      "package": {
        "id": 5,
        "name": "Rust 4GB"
      },
      "role": "owner",
      "created_at": "2026-06-01T00:00:00+00:00",
      "due_date": "2026-07-01T00:00:00+00:00"
    }
  ]
}
```


`GET /servers/{id}`

Returns information about a single service.

The authenticated user must have an existing relationship with the service.

`GET /servers/{id}/status`

Returns the service's live power state, suspension status, and resource usage.

Example response:


```
{
  "success": true,
  "data": {
    "id": 101,
    "state": "running",
    "is_suspended": false,
    "resources": {
      "memory_bytes": 1073741824,
      "cpu_absolute": 42.5,
      "disk_bytes": 5368709120
    }
```

```
  }
}
```

`POST /servers/{id}/power`

Sends a power signal to the service.

Required permission: `console`

Request body:

```
{
  "signal": "start"
}
```

Valid signals:

- `start`
- `stop`
- `restart`
- `kill`

Example response:

```
{
  "success": true,
  "data": {
    "signal": "start",
    "accepted": true
  }
}
```

Console

All console endpoints require the `console` permission.

`POST /servers/{id}/console/command`

Sends a single command to the service console. Commands are audited.

Request body:

```
{
  "command": "say hello"
```

```
}
```

Example response:

```
{
  "success": true,
  "data": {
    "sent": true
  }
}
```

`GET /servers/{id}/console/stream`

Opens a live console output stream using Server-Sent Events.

Cost: 5 credits each time a stream is opened.

Stream behaviour

- The connection is controlled by the server.
- If the account is banned or loses access, the stream closes within approximately 15 seconds.
- Streams automatically close after the configured maximum duration, which is 10 minutes by default.
- Reconnect to continue receiving output after a stream closes.
- Each account can have up to **3 concurrent streams**.

SSE event types

Event	Description
`ready`	The stream is connected and ready
`output`	A line of console output
`status`	A service power-state update
`stats`	Resource usage data in JSON format
`error`	A stream error occurred
`closed`	The stream was closed

Example JavaScript:

```
const es = new EventSource(
  "https://atomichost.xyz/api/client/v1/servers/101/console/stream"
);

es.addEventListener("output", (event) => {
```

```
  console.log(event.data);
});

es.addEventListener("closed", () => {
  es.close();
});
```

> **Important:** A browser's native `EventSource` API cannot set an `Authorization` header. Consume the stream through a trusted server, a CLI tool such as `curl`, a `fetch()` stream reader, or another client that supports custom headers. Send commands separately through the `/console/command` endpoint.

Example using `curl`:

```
curl -N "https://atomichost.xyz/api/client/v1/servers/101/console/stream" \
  -H "Authorization: Bearer ah_your_key" \
  -H "Accept: text/event-stream"
```

Files

All file endpoints require the `files` permission.

File paths are checked for directory traversal. Paths containing `..` segments are rejected with `422` before any request is sent to the service backend.

Method	Endpoint	Body or query
`GET`	`/servers/{id}/files?path=/`	Lists a directory
`GET`	`/servers/{id}/files/contents?path=/server.properties`	Reads a file
`POST`	`/servers/{id}/files/write`	`{ "path": "/a.txt", "content": "..." }`
`POST`	`/servers/{id}/files/delete`	`{ "root": "/", "files": ["a.txt"] }`
`POST`	`/servers/{id}/files/create-folder`	`{ "root": "/", "name": "plugins" }`
`PUT`	`/servers/{id}/files/rename`	`{ "root": "/", "from": "a.txt", "to": "b.txt" }`
`GET`	`/servers/{id}/files/download?path=/world.zip`	Returns a one-time download URL
`GET`	`/servers/{id}/files/upload-url?path=/`	Returns a one-time upload URL

Example request:

```
curl "https://atomichost.xyz/api/client/v1/servers/101/files?path=/" \
  -H "Authorization: Bearer ah_your_key" \
  -H "Accept: application/json"
```

Example response:

```
{
  "success": true,
  "data": {
    "path": "/",
    "files": [
      {
        "name": "server.properties",
        "size": 1234,
        "is_file": true,
        "mode": "rw-r--r--"
      }
    ]
  }
}
```

Backups

All backup endpoints require the `backups` permission.

Method	Endpoint	Body
`GET`	`/servers/{id}/backups`	Lists backups
`POST`	`/servers/{id}/backups`	`{ "name": "pre-update", "ignored": "" }`
`GET`	`/servers/{id}/backups/{backup}`	Returns information about a backup
`DELETE`	`/servers/{id}/backups/{backup}`	Deletes a backup

Example request:

```
curl -X POST "https://atomichost.xyz/api/client/v1/servers/101/backups" \
  -H "Authorization: Bearer ah_your_key" \
  -H "Accept: application/json" \
  -H "Content-Type: application/json" \
  -d '{"name":"pre-update"}'
```

Example response:

```
{
  "success": true,
  "data": {
    "backup": {
      "uuid": "f3...",
      "name": "pre-update",
      "is_locked": false
    }
  }
}
```

---

6. Banned or suspended accounts

When an account is banned or suspended:

- All API keys are revoked immediately.
- Active console streams are closed.
- Further API requests are rejected with `403`.

Removing a ban or suspension does **not** restore the previous API key. A new key must be generated before the API can be used again.

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