Quick Start Guide: AUTRANEX API

Get up and running with the AUTRANEX API in under 5 minutes. This guide walks you through authentication and your first API call.

Prerequisites

- Command line with `curl` installed
- AUTRANEX sandbox credentials (request via your account manager)
- JSON parser like `jq` (optional but helpful)

Step 1: Get Your Access Token

AUTRANEX uses OAuth 2.1 client credentials flow. Exchange your client credentials for an access token:

```
curl -X POST https://staging.autranex.com/v2/auth/token \
  -H "Content-Type: application/json" \
  -d '{
    "grant_type": "client_credentials",
    "client_id": "YOUR_CLIENT_ID",
    "client_secret": "YOUR_CLIENT_SECRET"
  }'
```

Success Response:

```
{
  "access_token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9...",
  "token_type": "Bearer",
  "expires_in": 1800,
  "scope": "sourcing.read sourcing.write routing.read"
}
```

💡 **Pro Tip:** Tokens expire in 30 minutes. Set up refresh logic to request new tokens at 25 minutes to avoid disruption.

Step 2: Make Your First API Call

List all adaptive sourcing blocks in your account:

```
curl -X GET https://staging.autranex.com/v2/adaptive-sourcing-blocks \
  -H "Authorization: Bearer YOUR_ACCESS_TOKEN" \
  -H "Accept: application/json"
```

Success Response:

```json
{
  "data": [
    {
      "blockId": "blk_ab12cd",
      "name": "EU Inactive Merchant Block",
      "status": "active",
      "scope": "supplier",
      "conditions": [
        {
          "field": "merchant_status",
          "operator": "equals",
          "value": "inactive"
        }
      ],
      "action": {
        "type": "reroute",
        "target": "reserve_wallet_01"
      },
      "createdAt": "2025-05-27T10:30:00Z",
      "activatedAt": "2025-05-27T10:30:02Z"
    }
  ],
  "meta": {
    "total": 1,
    "page": 1,
    "perPage": 20
  }
}
```

Step 3: Handle Common Errors

Not all requests succeed. Here's how to handle the most common error:

```
# Example: Invalid or expired token
curl -X GET https://staging.autranex.com/v2/adaptive-sourcing-blocks \
  -H "Authorization: Bearer INVALID_TOKEN" \
  -H "Accept: application/json"
```

Error Response (401 Unauthorized):

```json
{
  "error": {
    "code": "INVALID_TOKEN",
    "message": "Token is expired or invalid",
    "doc": "https://docs.autranex.com/errors#INVALID_TOKEN"
  }
}
```

Quick Error Reference:

Status Code	Error Code	Common Cause	Solution
401	`INVALID_TOKEN`	Expired token	Request new token
403	`INSUFFICIENT_SCOPE`	Missing permissions	Check token scopes
429	`RATE_LIMIT_EXCEEDED`	Too many requests	Implement backoff

Step 4: Parse the Response

Extract specific data using `jq`:

```
# Get all active block IDs
curl -X GET https://staging.autranex.com/v2/adaptive-sourcing-blocks \
  -H "Authorization: Bearer YOUR_ACCESS_TOKEN" \
  -H "Accept: application/json" \
  | jq '.data[] | select(.status=="active") | .blockId'
```

Output:

```
"blk_ab12cd"
"blk_ef45gh"
"blk_ij78kl"
```

Next Steps

Congratulations! You've successfully:

✅ Authenticated with the AUTRANEX API

✅ Retrieved your sourcing blocks

✅ Handled error responses

What's Next?

1. **Create Your First Sourcing Block**

```
curl -X POST https://staging.autranex.com/v2/adaptive-sourcing-blocks \
  -H "Authorization: Bearer YOUR_ACCESS_TOKEN" \
```

```
-H "Content-Type: application/json" \
-d '{
  "name": "My First Block",
  "scope": "global",
  "conditions": [{
    "field": "order_value",
    "operator": "greater_than",
    "value": 5000
  }],
  "action": {
    "type": "hold"
  }
}'
```

2. **Explore the Full API**

   o [Authentication Deep Dive](#) - OAuth flows, HMAC signing, token management
   o [Adaptive Sourcing Blocks](#) - Create complex routing logic
   o [Usage-Based Billing Alerts](#) - Monitor and control spending
   o [Webhook Integration](#) - Real-time event notifications

3. **Download Resources**

   o [Postman Collection](#)
   o [Sample Code (Node.js)](#)
   o [Sample Code (Python)](#)

Sandbox Environment Notes

- **Base URL:** `https://staging.autranex.com`
- **Rate Limit:** 300 requests/minute (vs. 1,000 in production)
- **Data Reset:** First day of each month
- **Test Accounts:** Use `acc_demo1`, `acc_demo2`, or `acc_demo3`

Need Help?

✉ Email: api-support@autranex.com

📚 Full Docs: https://docs.autranex.com

Last verified against API version: 2.0 (January 2025)