



# TikTok Downloader API - Quick Start Guide



## Service Status

Your TikTok Video Downloader API is **RUNNING** and ready to use!



## Access Points

- **API Endpoint:** `http://localhost:3000/download`
- **Swagger Documentation:** `http://localhost:3000/api-docs`



## Your API Keys

The following API keys are pre-configured and ready to use:

- `test-key-123` (for testing)
- `production-key-456` (for production use)



## How to Use

### Option 1: Using cURL (Terminal)

```
curl -X POST http://localhost:3000/download \
-H "X-API-Key: test-key-123" \
-H "Content-Type: application/json" \
-d '{"url":"https://www.tiktok.com/@username/video/1234567890123456789"}' \
--output meu_video.mp4
```

## Option 2: Using Python

```
import requests

def download_tiktok(url, api_key='test-key-123'):
    response = requests.post(
        'http://localhost:3000/download',
        headers={
            'X-API-Key': api_key,
            'Content-Type': 'application/json'
        },
        json={'url': url},
        stream=True
    )

    if response.status_code == 200:
        with open('video.mp4', 'wb') as f:
            for chunk in response.iter_content(chunk_size=8192):
                f.write(chunk)
        print('✓ Download concluído: video.mp4')
    else:
        print(f'✗ Erro: {response.json()}')

# Example usage
download_tiktok('https://www.tiktok.com/@username/video/1234567890123456789')
```

## Option 3: Using JavaScript/Node.js

```

const axios = require('axios');
const fs = require('fs');

async function downloadTikTok(url, apiKey = 'test-key-123') {
    try {
        const response = await axios({
            method: 'post',
            url: 'http://localhost:3000/download',
            headers: {
                'X-API-Key': apiKey,
                'Content-Type': 'application/json'
            },
            data: { url },
            responseType: 'stream'
        });

        const writer = fs.createWriteStream('video.mp4');
        response.data.pipe(writer);

        return new Promise((resolve, reject) => {
            writer.on('finish', () => {
                console.log('✓ Download concluído: video.mp4');
                resolve();
            });
            writer.on('error', reject);
        });
    } catch (error) {
        console.error('✗ Erro:', error.response?.data || error.message);
    }
}

// Example usage
downloadTikTok('https://www.tiktok.com/@username/video/1234567890123456789');

```

## Option 4: Using Swagger UI (Browser)

1. Open: http://localhost:3000/api-docs
2. Click on “**Authorize**” button (top right)
3. Enter your API key: test-key-123
4. Click “**Authorize**” and close
5. Expand the **POST /download** endpoint
6. Click “**Try it out**”
7. Enter a TikTok URL in the request body
8. Click “**Execute**”
9. Click “**Download file**” button to save the video

## API Response Codes

Code	Description
200	 Success - Video downloaded
400	 Invalid URL or video unavailable
401	 Missing or invalid API key
429	 Rate limit exceeded (wait 1 minute)
500	 Server error

## Security Features

-  **API Key Authentication:** Every request requires a valid API key
-  **Rate Limiting:** Maximum 5 requests per minute per API key
-  **URL Validation:** Only TikTok URLs are accepted
-  **Auto Cleanup:** Downloaded files are automatically deleted after sending

## Rate Limiting

- **Limit:** 5 requests per minute
- **Per:** API key
- **Reset:** Automatic after 60 seconds

If you hit the rate limit, you'll receive a `429 Too Many Requests` error. Wait 60 seconds and try again.

## Configuration

### Add New API Keys

Edit the `.env` file:

```
API_KEYS=test-key-123,production-key-456,new-key-789
```

### Change Rate Limit

Edit the `.env` file:

```
THROTTLE_LIMIT=10      # Allow 10 requests
THROTTLE_TTL=60000     # Per 60 seconds (60000ms)
```

### Change Port

Edit the `.env` file:

```
PORt=8080
```

Then restart the service:

```
yarn start:dev
```

## Testing

Test the API without downloading:

```
# Test authentication (should return 401)
curl -X POST http://localhost:3000/download \
-H "Content-Type: application/json" \
-d '{"url":"https://www.tiktok.com/@test/video/123"}'

# Test with valid key but invalid URL (should return 400)
curl -X POST http://localhost:3000/download \
-H "X-API-Key: test-key-123" \
-H "Content-Type: application/json" \
-d '{"url":"https://youtube.com/watch?v=123"}'
```

## Important Notes

### Legal Considerations

- Only download videos you have permission to download
- Respect TikTok's Terms of Service
- Don't download copyrighted content without authorization
- This tool is for personal/educational use only

### Limitations

- Only works with **public TikTok videos**
- **Private or deleted videos** will fail
- **Geo-restricted content** may not be accessible
- Video quality depends on TikTok's availability

## Troubleshooting

### “API key is missing”

→ Add the `X-API-Key` header to your request

### “Invalid API key”

→ Use one of the configured keys: `test-key-123` or `production-key-456`

### “URL must be from tiktok.com domain”

→ Make sure the URL starts with `https://www.tiktok.com/` or `https://vm.tiktok.com/`

### “Rate limit exceeded”

→ Wait 60 seconds before making another request

## “Video unavailable”

→ Check if the video is public and accessible in your region



## Full Documentation

See [README.md](#) (README.md) for complete documentation.



## Ready to Use!

Your API is fully configured and ready to download TikTok videos. Start making requests using any of the methods above!

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Built with ❤️ using **NestJS + TypeScript + yt-dlp**