

# Platform Setup Guide

Complete step-by-step guide to get all required API credentials for Meta, Snapchat, and TikTok.

## Meta (Facebook/Instagram)

### Prerequisites

- Facebook Business Account
- A Facebook Page where you'll run Lead Ads
- (Optional) Instagram Business Account linked to your Page

### Step 1: Create a Meta App

1. Go to [developers.facebook.com](https://developers.facebook.com)
2. Click **My Apps** → **Create App**
3. Select **Business** as the app type
4. Fill in:
  - App name: **Leads CRM** (or your choice)
  - App contact email: your email
  - Business Account: select yours
5. Click **Create App**

### Step 2: Get META\_APP\_SECRET

1. In your app dashboard, go to **Settings** → **Basic**
2. Find **App Secret** - click "Show" and enter password
3. Copy this value → This is your **META\_APP\_SECRET**

```
META_APP_SECRET=abc123def456...
```

### Step 3: Set META\_VERIFY\_TOKEN

This is **any string you create yourself**. It's used to verify Facebook is calling your real webhook.

1. Make up a random secure string, e.g.: **my\_super\_secret\_token\_123**
2. Save it in your **.env**:

```
META_VERIFY_TOKEN=my_super_secret_token_123
```

 Keep this secret! You'll enter this same value in Facebook's webhook setup.

### Step 4: Add Webhooks Product

1. In your app dashboard, click **Add Product**
2. Find **Webhooks** and click **Set Up**
3. Click **Webhooks** in the left sidebar
4. Select **Page** from the dropdown
5. Click **Subscribe to this object**
6. Enter:
  - **Callback URL:** <https://yourdomain.com/webhooks/meta>
  - **Verify Token:** Same value as `META_VERIFY_TOKEN` in your .env
7. Click **Verify and Save**
8. Subscribe to the **leadgen** field (check the box)

## Step 5: Get META\_ACCESS\_TOKEN (Page Access Token)

1. Go to [Graph API Explorer](#)
2. Select your app from the dropdown
3. Click **Generate Access Token**
4. Add these permissions:
  - `pages_show_list`
  - `pages_read_engagement`
  - `pages_manage_metadata`
  - `leads_retrieval`
  - `ads_management`
5. Click **Generate Access Token** and approve
6. This gives you a **User Access Token** (expires in ~1 hour)

### To get a long-lived Page Access Token:

1. In Graph API Explorer, paste:

```
GET /me/accounts
```

2. Click Submit
3. Find your Page in the response
4. Copy the `access_token` for that page → This is your `META_ACCESS_TOKEN`

### Make it permanent (never expires):

```
GET /oauth/access_token?  
grant_type=fb_exchange_token&client_id=YOUR_APP_ID&client_secret=YOUR_APP_SECRET&fb_exchange_token=YOUR_SHORT_TOKEN
```

## Step 6: Complete App Review (for Production)

For development/testing, you can skip this. For production:

1. Go to **App Review → Permissions and Features**

2. Request these permissions:

- `leads_retrieval`
- `pages_manage_metadata`
- `pages_read_engagement`

3. Submit for review with a screencast showing your integration

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## ● Snapchat

### Prerequisites

- Snapchat Business Account
- Snapchat Ads Manager access

### Step 1: Create OAuth App

1. Log in to [Ads Manager](#)
2. Click on your profile → **Business Settings**
3. Go to **Business Details**
4. Scroll down to **OAuth Apps**
5. Click + **OAuth App**
6. Accept the Developer Terms
7. Fill in:
  - **App Name:** Leads CRM
  - **Redirect URI:** `https://yourdomain.com/auth/snapchat/callback` (or any valid URL)
8. Click **Create**

### Step 2: Get SNAPCHAT\_CLIENT\_SECRET

After creating the OAuth App:

1. You'll see **Client ID** and **Client Secret**
2. Copy the **Client Secret** → This is your `SNAPCHAT_CLIENT_SECRET`

```
SNAPCHAT_CLIENT_SECRET=your_client_secret_here
```

⚠ The Client Secret is only shown once! Save it immediately.

### Step 3: Configure Lead Webhook

1. In Ads Manager, go to **Lead Generation** settings
  2. Find webhook configuration
  3. Set your webhook URL: `https://yourdomain.com/webhooks/snapchat`
  4. Snapchat will sign webhooks using your Client Secret
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## ■ TikTok

## Prerequisites

- TikTok For Business account
- TikTok Ads Manager access

## Step 1: Create Developer App

1. Go to [TikTok for Developers](#)
2. Click **Manage Apps** → **Create App**
3. Select **Marketing API** as the product
4. Fill in app details:
  - **App Name:** Leads CRM
  - **Description:** Lead management system
5. Submit for approval (usually quick)

## Step 2: Get TIKTOK\_APP\_SECRET

1. After app approval, go to **Manage Apps**
2. Click on your app
3. Go to **App Credentials or Basic Information**
4. Find **App Secret** → This is your **TIKTOK\_APP\_SECRET**

```
TIKTOK_APP_SECRET=your_tiktok_app_secret_here
```

## Step 3: Configure Lead Generation Webhook

1. Go to [TikTok Ads Manager](#)
2. Navigate to **Tools** → **Lead Generation**
3. Click on **Settings** or **Data Connection**
4. Set your webhook callback URL: <https://yourdomain.com/webhooks/tiktok>
5. TikTok will use your App Secret to sign webhook payloads

## Final .env Configuration

After completing all steps, your **.env** should look like:

```
# Environment Variables
PORT=3000
NODE_ENV=development

# MongoDB
MONGODB_URI=mongodb://localhost:27017/leads-crm

# Meta (Facebook/Instagram)
META_VERIFY_TOKEN=my_super_secret_token_123
META_APP_SECRET=1234567890abcdef1234567890abcdef
META_ACCESS_TOKEN=EAAGxxx...very_long_token...xxx
```

```
# Snapchat  
SNAPCHAT_CLIENT_SECRET=abc123-your-client-secret-xyz789  
  
# TikTok  
TIKTOK_APP_SECRET=your_tiktok_secret_key_here
```

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## ⚠️ Important Notes

1. **HTTPS Required:** All platforms require your webhook URL to use HTTPS with a valid SSL certificate

2. **Development vs Production:**

- Meta: App must be in "Live" mode and pass App Review for production
- Snapchat: Test mode available for development
- TikTok: Sandbox mode available for testing

3. **Token Expiration:**

- Meta Page Access Token: Can be made permanent (never expires)
- Snapchat/TikTok: App secrets don't expire

4. **Testing Without Real Server:**

- Use [ngrok](#) to create a public HTTPS URL for your localhost:

```
ngrok http 3000
```

- Use the ngrok URL as your webhook endpoint for testing

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## 📝 Quick Testing Checklist

- Meta: Use [Lead Ads Testing Tool](#)
- Snapchat: Create test ad account with `test: true`
- TikTok: Use Sandbox mode in Developer Portal
- Verify your webhook receives the test payload
- Check leads appear in your database