

Whatsapp Api Documents:-

Here is the **complete, correct, step-by-step WhatsApp API account creation guide**, from **creating Meta Developer Account → setting up Business → getting permanent token → connecting number → sending message**.

I'll give this in the **exact order required** (with API documentation links & JSON examples).

Links:

<https://youtu.be/p2j9NeqORTM?si=uNc7ZL39LBPWywpZ>

https://youtu.be/uI_9qe_fiTY?si=TvJpHCJ6GTcFQERo

<https://youtu.be/PVFDQeVyeQw?si=-1rEl8TFt9crG1UW>

<https://youtu.be/01kF-HXN6QU?si=7Ju4x-5Bhwr6W9GL>

<https://youtu.be/LmoiCMJJ6S4?si=93YyIXFg8tkpQbj>

STEP 1 — Create Facebook Developer Account

1. Open
👉 <https://developers.facebook.com>
2. Log in with your Facebook account
3. Accept *Developer Terms*
4. Click **Create App**
5. Choose App Type → **Business**
6. App Name: (Example: MyEducate API)
7. Create App

🎉 Your Developer Account is now ready.

STEP 2 — Create a Business in Meta Business Suite

1. Open
👉 <https://business.facebook.com/settings>
2. Create New Business
3. Fill:
 - Business Name
 - Website
 - Address
4. Verify email

 Now you have a **Business Manager**.

STEP 3 — Assign App to Business

1. Go to
👉 Business Settings → Accounts → Apps
 2. Click **Add** → **Add an App** → Enter App ID
 3. Select your app → Add
-

STEP 4 — Add System User & Generate Permanent Token

This is important.

1. Go to Business Settings
2. System Users
3. Add System User
 - Name: API User
 - Role: Admin
4. **Add assets** -> Select your App ->enable full control
5. Click: **Generate New Token** -> **select app**

6. Select permissions:
 - `whatsapp_business_management`
 - `whatsapp_business.messaging`
 - `business_management`

Permanent access token its showing only one time 60 days:

 Copy the **PERMANENT ACCESS TOKEN** (Never expires!)

STEP 5 — Add WhatsApp API to Your App

<https://developers.facebook.com/apps/>

1. Open your App → Add Products
 2. Select **WhatsApp**
 3. Click x` **API Set Up**
-

STEP 6 — Create Your WhatsApp Business Account (WABA)

Meta will automatically create:

- ✓ **WABA_ID**
- ✓ **Phone Number List**
- ✓ **Phone Number ID**

You can see it here:

- 👉 App → WhatsApp → Getting Started
 - 👉 Or Business Settings → WhatsApp Accounts
-

STEP 7 — Connect Your Own Phone Number

Inside WhatsApp Dashboard:

1. Go to “**Configuration**”
2. Click **Add Phone Number**
3. Enter business details
4. Receive OTP
5. Verify the number

You now have:

- ✓ **WABA_ID**
- ✓ **PHONE_NUMBER_ID**
- ✓ **PERMANENT_TOKEN**

This is enough to send API messages.



STEP 8 — Call Send Message API (Test)

Endpoint:

POST

`https://graph.facebook.com/<API_VERSION>/<PHONE_NUMBER_ID>/messages`

Body:

```
{  
  "messaging_product": "whatsapp",  
  "to": "916361849001",  
  "type": "text",  
  "text": {  
    "body": "Hello from WhatsApp API!"  
  }  
}
```

Headers:

`Authorization: Bearer <ACCESS_TOKEN>`

`Content-Type: application/json`

Call Send Template Message API (Test)

Endpoint:

POST

`https://graph.facebook.com/<API_VERSION>/<PHONE_NUMBER_ID>/messages`

Body:

```
{  
  "messaging_product": "whatsapp",  
  "to": "916361849001", //RECIPIENT_PHONE_NUMBER  
  "type": "text",  
  "text": {  
    "name": "hello_world", //Template Name  
    "language": { code: "en_US" },  
  }}  
}
```

Headers:

Authorization: Bearer <ACCESS_TOKEN>

Content-Type: application/json



STEP 9 — Setup Webhook (Receive Messages)

1. Go to App → Webhooks
2. Add Callback URL

URL example (your backend):

<https://yourdomain.com/webhook>

- 3.
4. Verify Token (your string)

5. Subscribe to:

- o `messages`
 - o `Message_template_status`
 - o `messaging_echoes`
-

If using local test ngrok:

Run backend port 9000

Run ngrok command: `ngrok http 9000`

Run rgrok copy Forwarding url past in callback url



Create Template Message API (Test)

Endpoint:

POST

`https://graph.facebook.com/<API_VERSION>/<PHONE_NUMBER_ID>/message_templates`

```
{  
  name: "template_name" //template name,  
  language: "en_US",  
  category: "UTILITY",  
  components: [  
    {  
      type: "HEADER",  
      format: "TEXT",  
      text: "Order Update", //text  
    },
```

```
{  
  type: "BODY",  
  text: "Hi {{1}}, your order #{{2}} has been shipped!",  
//text  
  
  example: {  
    body_text: [["Mithun", "12345"]], //parameter  
  },  
}  
  
{  
  type: "FOOTER",  
  text: "Order update", // text  
},  
],};
```

Get Templates API

Endpoint:

GET

https://graph.facebook.com/<API_VERSION>/<WABA_ID>/message_templates

Update Template API (Test)

(Only update rejected Temolate)

Endpoint:

POST https://graph.facebook.com/<API_VERSION>/<templateId>

```
{  
  name:"template_name" //template name,  
  language: "en_US",  
  category: "UTILITY",  
  components: [  
    {  
      type: "HEADER",  
      format: "TEXT",  
      text: "Order Update", //text  
    },  
    {  
      type: "BODY",  
      text: "Hi {{1}}, your order #{{2}} has been shipped!",  
      //text  
      example: {  
        body_text: [["Mithun", "12345"]], //parameter  
      },  
    },  
    {  
      type: "FOOTER",  
      text: "Order update", // text  
    },  
  ],};
```



Delete Template By Name API

Endpoint:

DELETE

https://graph.facebook.com/<API_VERSION>/<WABA_ID>/message_templates

Body:

```
{  
    name: "hello_world", //Template Name  
}
```

Headers:

Authorization: Bearer <ACCESS_TOKEN>

Content-Type: application/json



.env

PORT=9000

API_VERSION=v22.0

RECIPIENT_PHONE_NUMBER=916361849001

FACEBOOK_URL=https://graph.facebook.com

WABA_ID=3290411324456505

PHONE_NUMBER_ID=871192099414913

WEB_HOOK_VERIFY_TOKEN=myeduate_webhook_verify

ACCESS_TOKEN=



PostgreSQL Tables for WhatsApp Business Integration

1. business_accounts

Stores your WhatsApp Business Account (WABA) details.

```
CREATE TABLE business_accounts (
    id SERIAL PRIMARY KEY,
    waba_id VARCHAR(50) NOT NULL,
    business_name VARCHAR(150) NOT NULL,
    created_at TIMESTAMP DEFAULT NOW(),
    updated_at TIMESTAMP DEFAULT NOW()
);
```

2. phone_numbers

Stores each registered WhatsApp number.

```
CREATE TABLE phone_numbers (
    id SERIAL PRIMARY KEY,
    business_account_id INT REFERENCES business_accounts(id) ON DELETE CASCADE,
    phone_number VARCHAR(20) NOT NULL,
    display_phone_number VARCHAR(20),
    verified BOOLEAN DEFAULT FALSE,
    status VARCHAR(50),
    created_at TIMESTAMP DEFAULT NOW()
);
```

3. templates

Stores message template requests + status from Meta.

```
CREATE TABLE templates (
    id SERIAL PRIMARY KEY,
    name VARCHAR(100) NOT NULL,
```

```
        category VARCHAR(50),
        language VARCHAR(20),
        status VARCHAR(50),
        template_id VARCHAR(100),
        created_at TIMESTAMP DEFAULT NOW(),
        updated_at TIMESTAMP DEFAULT NOW()
    );
```

4. template_components

Stores header/body/footer/buttons for each template.

```
CREATE TABLE template_components (
    id SERIAL PRIMARY KEY,
    template_id INT REFERENCES templates(id) ON DELETE CASCADE,
    type VARCHAR(20) NOT NULL,    -- HEADER / BODY / FOOTER / BUTTONS
    format VARCHAR(20),
    text TEXT,
    example_values JSONB,
    created_at TIMESTAMP DEFAULT NOW()
);
```

5. messages

Stores all outgoing & incoming WhatsApp messages.

```
CREATE TABLE messages (
    id SERIAL PRIMARY KEY,
    phone_number_id INT REFERENCES phone_numbers(id) ON DELETE CASCADE,
    to_number VARCHAR(20),
    from_number VARCHAR(20),
    direction VARCHAR(20), -- inbound/outbound
    type VARCHAR(20),
    status VARCHAR(50),
    message_text TEXT,
    template_name VARCHAR(100),
    meta_message_id VARCHAR(100),
    created_at TIMESTAMP DEFAULT NOW()
);
```