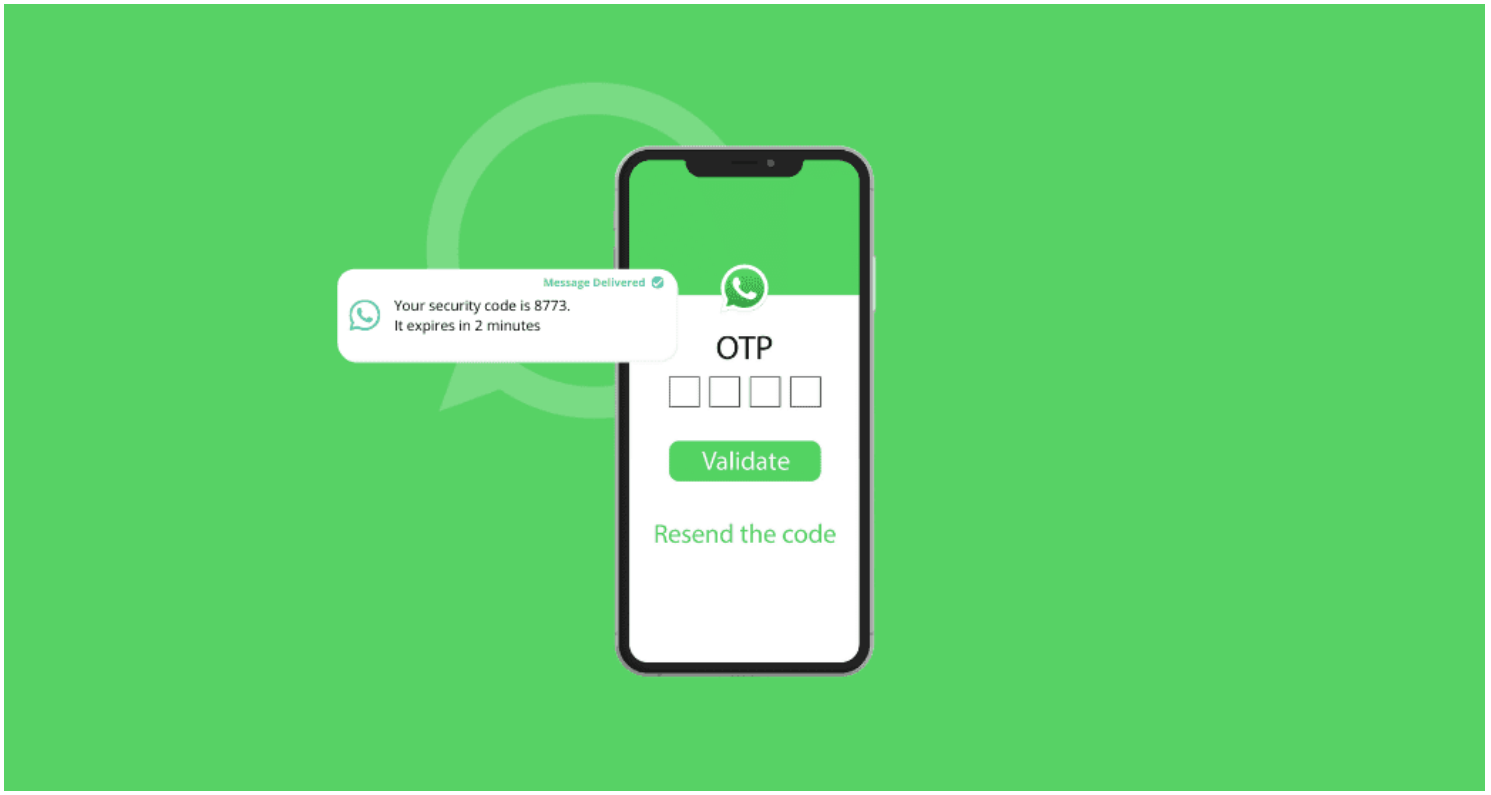
WhatsApp Business API

sending messages (OTP), media, templates, interactives, and more.



Flutter Developer

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How To use the WhatsApp Business API in your Flutter application ?

First, I want to say that it is possible to use **WhatsApp Business API** for many tasks, such as sending contacts and the Media. However, I will explain how to use it to send a text message or to specify sending an OTP to verify the phone number registered with us.
in **3 Steps**

1- Set Up the WhatsApp Business API

2- Get the From Number ID and Access Token

3- Use the WhatsApp package

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step1: Set Up the WhatsApp Business API

1- Go to Meta for Developers and log in (or create a developer account).
2- In My Apps, create a new app and select Business as the app type.
3- On the app dashboard, under Add Products to Your App, find WhatsApp and click Set Up.

step2: Get the From Number ID and Access Token

1- In the app dashboard, navigate to **Settings > WhatsApp > API Settings,** and Generate an **Access Token**.
2- In the WhatsApp section under Phone Numbers, locate the **From Number ID** for each linked number.

```dart
final String accessToken = 'EAAGp6aTb8.....'; // Put Your access token
final String fromNumberId = '1082772452xxxxx'; //Put Your registered WhatsApp Business number ID
```

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step3: **Use the WhatsApp package**

1- Install whatsApp Package

```yaml
dependencies:
  whatsapp: ^3.0.0
```

2- Generate a Random OTP

```dart
//* Generate a random 6-digit OTP
  void generateOtp() {
    final random = Random();
    final otp = List<int>.generate(6, (_) => random.nextInt(10)).join();
    generatedOtp = otp;
    debugPrint('Generated OTP: $generatedOtp');
  }
```

2- Send OTP via WhatsApp

```dart
//* Handle OTP generation and verification
  void handleGenerateOtp() {
    generateOtp();
    whatsappService.sendOtp('919876543210', generatedOtp!);
  }
```

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step3: Use the WhatsApp package

4- Create class For WhatsAppService

```
return Scaffold(
      backgroundColor: Colors.white,
      appBar: AppBar(title: const Text("Send OTP")),
      body: Center(
        child: Padding(
          padding: const EdgeInsets.all(24),
          child: Column(
            crossAxisAlignment: CrossAxisAlignment.center,
            children: [
              ElevatedButton(
                onPressed: handleGenerateOtp,
                child: const Text("Send OTP"),
              ),
              TextField(
                onChanged: (value) => otpInput = value,
                decoration: const InputDecoration(labelText: "Enter OTP"),
              ),
              const SizedBox(height: 20),
              ElevatedButton(
                onPressed: handleVerifyOtp,
                child: const Text("Verify OTP"),
              ),
            ],
          ),
        ),
      ),
    );
```

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step3: Use the WhatsApp package

5- Verify OTP

```dart
//* Verify the OTP entered by the user
  void handleVerifyOtp() {
    if (otpInput == generatedOtp) {
      // OTP is correct
      // Proceed to next step in your app
      debugPrint('OTP is correct');
    } else {
      // Show error message to user
      debugPrint('OTP is Incorrect');
    }
  }
```

6- Build the UI

```dart
ElevatedButton(
  onPressed: handleGenerateOtp,
  child: const Text("Send OTP"),
),
TextField(
  onChanged: (value) => otpInput = value,
  decoration: const InputDecoration(labelText: "Enter OTP"),
),
const SizedBox(height: 20),
ElevatedButton(
  onPressed: handleVerifyOtp,
  child: const Text("Verify OTP"),
```

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THANK YOU

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