# WhatsApp Messaging Service using Meta Cloud API (Laravel)

## ✅ Requirements

- Meta (Facebook) Developer Account  
- WhatsApp Business Account (WABA)  
- Verified phone number (from Meta dashboard)  
- Cloud API access token  
- Laravel project (v8+ or v10+)

## 🔐 Step 1: Set up Meta WhatsApp Cloud API

1. Go to: https://developers.facebook.com/  
2. Create an app → Select "Business" type.  
3. Add WhatsApp product.  
4. Go to WhatsApp > Getting Started:  
 - Note your Phone Number ID  
 - Note your WhatsApp Business Account ID  
 - Generate a Permanent Token (or use the test token for dev)  
 - Verify recipient number (for testing)

## 📦 Step 2: Laravel Setup

Create a service class:  
  
```bash  
php artisan make:service WhatsAppService  
```  
  
Then add the following code to app/Services/WhatsAppService.php:

```php  
<?php  
  
namespace App\Services;  
  
use Illuminate\Support\Facades\Http;  
  
class WhatsAppService  
{  
 protected $token;  
 protected $phoneNumberId;  
  
 public function \_\_construct()  
 {  
 $this->token = env('META\_WA\_API\_TOKEN');  
 $this->phoneNumberId = env('META\_WA\_PHONE\_NUMBER\_ID');  
 }  
  
 public function sendTextMessage($to, $message)  
 {  
 $url = "https://graph.facebook.com/v19.0/{$this->phoneNumberId}/messages";  
  
 $response = Http::withToken($this->token)->post($url, [  
 'messaging\_product' => 'whatsapp',  
 'to' => $to,  
 'type' => 'text',  
 'text' => [  
 'preview\_url' => false,  
 'body' => $message,  
 ],  
 ]);  
  
 return $response->json();  
 }  
}  
```

## 🔑 Step 3: Update .env

```  
META\_WA\_API\_TOKEN=EAAGrU.....your\_long\_token\_here  
META\_WA\_PHONE\_NUMBER\_ID=123456789012345  
```

## 🧪 Step 4: Use the Service in a Controller

```php  
use App\Services\WhatsAppService;  
  
public function sendWhatsAppMessage(Request $request, WhatsAppService $whatsApp)  
{  
 $to = $request->input('number'); // e.g., '919876543210'  
 $message = $request->input('message'); // e.g., 'Hello from Laravel!'  
  
 $response = $whatsApp->sendTextMessage($to, $message);  
  
 return response()->json($response);  
}  
```

## ✅ Example JSON Response (Success)

```json  
{  
 "messages": [  
 {  
 "id": "wamid.HBgLNzkxMjM0NTY3ODk0FQIAEhggMjc3QzNGNz..."  
 }  
 ]  
}  
```

## 🔐 Notes

- All phone numbers must be in international format (e.g., 919876543210 for India).  
- During development, only test numbers can receive messages unless your number is approved for production.  
- You can also extend this service for sending images, templates, buttons, etc.