# Translation API Documentation

## Overview

This document describes the API endpoints for the Translation Service. The service provides an interface for translating text from English to Hindi using a deep learning model.

## Base URL

The base URL for the API is dependent on where it is deployed. For local development, use http://127.0.0.1:5000. For production, replace this with the production base URL provided after deployment.

## Authentication

Currently, no authentication is required to access the API endpoints.

## Headers

All API requests should be made with the following headers:

* Content-Type: application/json

## Endpoints

### Translate Text

* **URL**: /translate
* **Method**: POST
* **Description**: This endpoint translates English text to Hindi.
* **Request Body**:
  + text (required): The English text string to be translated.
* **Request Example**:
* {  
   "text": "Hello, world!"  
  }
* **Success Response**:
  + **Code**: 200 OK
  + **Content**:
  + {  
     "translation": "नमस्कार, दुनिया!"  
    }
* **Error Response**:
  + **Code**: 400 Bad Request
  + **Content**:
  + {  
     "error": "Bad Request. The request body is not properly formatted."  
    }
  + **Code**: 500 Internal Server Error
  + **Content**:
  + {  
     "error": "Internal Server Error. A problem occurred on the server."  
    }
* **Curl Example**:
* curl -X POST http://127.0.0.1:5000/translate \  
  -H "Content-Type: application/json" \  
  -d "{\"text\":\"Hello, world!\"}"
* **Notes**:
  + The API currently only supports text strings of up to 128 characters in length.
  + Ensure the request body is properly formatted as JSON.

## Status Codes

The API will return the following status codes in its API responses:

* 200 OK: The request was successful, and the server returned the expected data.
* 400 Bad Request: There was a problem with the request. This often occurs due to a missing or malformed request body.
* 500 Internal Server Error: An error has occurred on the server side. Please contact the API provider if this occurs.