



# User Manual for Shortify API

Welcome to **Shortify API**! This powerful tool allows you to create, manage, and track short URLs for your marketing campaigns. By using Shortify API, you can generate customizable and trackable links that enhance your marketing effectiveness. These short URLs can even be used to generate QR codes, making them versatile for both digital and offline campaigns. Whether you're hosting the service locally or deploying it to the cloud, this guide will help you get started.

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## Key Benefits

1. **Trackable URLs:** Gain valuable insights into user engagement by monitoring click logs.
  2. **Customizable Links:** Create short links that align with your branding.
  3. **QR Code Compatibility:** Easily convert your short URLs into QR codes for offline campaigns.
  4. **Flexible Deployment:** Host the API locally, on a web server, or in a cloud environment using Docker or proxies like NGINX.
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## Getting Started

### 1. Prerequisites

Ensure the following tools are installed on your machine:

- Python 3.8 or higher
- pip (Python package installer)
- Postman (for API testing, optional)

### 2. Installation

1. Clone the repository or download the source code.
2. Navigate to the directory containing the app.py file.
3. Install the required Python libraries:
4. pip install flask flask-cors
5. Run the backend service:
6. python app.py

By default, Flask will start the service at `http://localhost:5000`.

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# API Documentation

## Base URL

The API assumes a base URL of `http://localhost:5000`. Replace this with your deployment URL if hosting externally.

## Available Endpoints

### 1. Create Short Link

- **Endpoint:** `/create`
- **Method:** POST
- **Headers:**

```
{  
  "Content-Type": "application/json"  
}
```

- **Body:**

```
{  
  "project_name": "My Project",  
  "destination_url": "https://example.com"  
}
```

### 2. Redirect to Destination

- **Endpoint:** `/unique_id`
- **Method:** GET
- **Description:** Redirects to the destination URL associated with the unique ID.

### 3. Get Redirect Logs

- **Endpoint:** `/logs/unique_id`
- **Method:** GET
- **Description:** Retrieves logs for clicks on a specific short link.

### 4. Get All Redirect Logs

- **Endpoint:** `/logs/0`
- **Method:** GET
- **Description:** Retrieves logs for all short links.

### 5. Get All Short Links

- **Endpoint:** `/all_links`
- **Method:** GET
- **Description:** Returns all the short links created.

### 6. Update Short Link



- **Endpoint:** /update/{unique\_id}
- **Method:** PUT
- **Headers:**

```
{  
  "Content-Type": "application/json"  
}
```

- **Body:**

```
{  
  "project_name": "Updated Project",  
  "destination_url": "https://updated-example.com"  
}
```

## 7. Delete Short Link

- **Endpoint:** /delete/{unique\_id}
  - **Method:** DELETE
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## Testing the API

Use Postman to interact with the API:

1. Import the provided Postman collection ([ShortifyAPI\\_PostmanCollection.json](#)).
2. Test the endpoints using the included sample requests.
3. Replace localhost with your custom URL when deploying to a server.

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## Example Frontend Integration

There is in the main repository a [frontend.py](#) file for your use as an example. We do however have a separate front end repository that you can fork and use on your own deployments. See the [GIT REPOS](#) section in this document.

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## Deployment Recommendations

1. **Web Server:** Deploy using NGINX, Apache, or any preferred web server.
2. **Cloud Hosting:** Use platforms like Render, AWS, Azure, or Google Cloud.
3. **Proxy Setup:** Employ Cloudflare Tunnels or Nginx Proxy Manager.
4. **Containerization:** Use Docker for easy setup and scalability.

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## Environment Variables

1. **SHORTIFY\_API\_URL:** This is needed for the front end client only

**Windows:**

```
$env:SHORTIFY_API_URL="https://your_url.com"
```

**Linux:**

```
export SHORTIFY_API_URL="https://your_url.com"
```

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## Render.com frontend Configuraiton

1. **Start Command:**

```
./start.sh
```



## GIT Repository

### 1. SHORTIFY API & The Free Front end applicaiton

API:

<https://github.com/dtsoden/shortifyapi>

Front:

<https://github.com/dtsoden/shortifyapi-frontend>

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## Contact and Support

If you have any issues or questions, feel free to reach out via the project repository or community forums.

Enjoy using **Shortify API** to elevate your marketing efforts!