Shortify API

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.

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.

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.

© 2025 ShortifyAPI – https://davidsoden.com

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

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.

Example Frontend Integration

The frontend.py file demonstrates how to interact with the API programmatically. While this is a basic example, it can be expanded to suit your application's needs. Make sure the required imports are included:

import requests

To run the frontend example, install the requests library:

pip install requests

Deployment Recommendations

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

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!