



# docker\_flask\_api

RESTful API Web Service  
Implementation based on Flask  
wrapped in Docker



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# Intro

## Technology used

- Docker / DockerCompose (virtualization)
- MondoDB (database)
- uWsgi (server)
- Flask, FlaskRestful, FlaskMongoAlchemy (Python Libs)

# Main

## Service features

- Fetch available endpoint: **GET /**
- Store car document: **POST /save {json}**
- Fetch a single document: **GET /get/<string:id>**
- Fetch a list of stored documents: **GET /list**

# Data Model

Car Document is JSON document with attributes.

Example of schema and document.

```
{  
  title: String,  
  drive_type: String,  
  transmission: String,  
  engine_size: Float,  
  year: Int,  
  cylinders: Int,  
  width: Float,  
  height: Float,  
  weight: Int  
}
```

```
{  
  title: "Jeep Wrangler Sahara",  
  drive_type: "4wd",  
  transmission: "automatic",  
  engine_size: 3.6,  
  year: 2018,  
  cylinders: 6,  
  width: 73.7,  
  height: 72.6,  
  weight: 4055  
}
```