# Simple Http Server

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#### **Contents**

1	Introduction	1
	(Simple) Http Server          2.1 Python 3          2.2 Python 3.9.2 with Docker          2.3 Python 2	1 2
3	History	3
4	Disclaimer of Warranty	3
5	Limitation of Liability	3

#### 1 Introduction

Sometimes it is handy to just have simple local web server that serves a web directory in a non complex way. To be used in a web framework development, in a web site development, or just for validating the HTML part of the project documentation.

## 2 (Simple) Http Server

#### 2.1 **Python 3**

As with python3 the module has changed from python2: http.server.

python3 -m http.server 8000

Point your web browser to http://127.0.0.1:8000 or http://localhost:8000.

Simple Http Server 2023-01-18

If you want to be more explicit: py-server-http

In case SSL support is important:

1. Create key

```
openssl req -x509 -newkey rsa:2048 -keyout /path/to/key.pem \
-out /path/to/cert.pem -days 365
```

2. The SSL HTTP (HTTPS) server

Pointyourweb browserto https://127.0.0.1:4443 or https://localhost:4443.

#### 2.2 Python 3.9.2 with Docker

A simple web server can be used with Docker to expose <a href="https://html">https://html</a> pages to the outside world for testing purposes.

```
FROM python:3.9.2

VOLUME ["/code"]

ADD . /code

WORKDIR /code
```

Christian Külker 2/3

Simple Http Server 2023-01-18

```
EXPOSE 5123

CMD ["python", "-m", "http.server", "5123"]

Point your web browser to http://127.0.0.1:5123 or http://localhost:5123.
```

#### 2.3 Python 2

Go into the web directory you want to serve and execute python2 with SimpleHTTPServer.

```
python -m SimpleHTTPServer 8000
```

Point your web browser to http://127.0.0.1:8000 or http://localhost:8000.

### 3 History

Version	Date	Notes
0.1.2	2023-01-18	Improve writing, add SSL and Docker examples
0.1.1	2022-07-13	Format for quick guide, update for python3
0.1.0	2016-07-19	Initial release (as 0.1)

### 4 Disclaimer of Warranty

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Christian Külker 3/3