

Build a WebDAV server with NGINX

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Introduction

1. Configure a WebDAV Server with NGINX
2. User cloud access specified folder after login

Environment

GCP Instance Ubuntu 18.04 NGINX Root

Install

```
1 apt-get install nginx-full
```

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Turn on gzip

Bandwidth is limited, and the performance of machines is always faster, so we compress data with gzip before sending them to customer to decrease the amount of traffic

```
1 sed -i '/gzip_/ s/#\ //g' /etc/nginx/nginx.conf
```

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`/gzip_/`: Look for lines containing `gzip_ s/#\ //g`: Replace `#` with

It means that we uncomment the gzip

Configure WebDAV Server

Create config file

```
1 vim /etc/nginx/conf.d/webdav.conf
```

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Config

```
1  server {
2      listen 80;
3      listen [::]:80;
4
5      server_name yourDomain;
6
7      auth_basic          realm_name;
8      # The file containing authorized users
9      auth_basic_user_file /etc/nginx/.credentials.list;
10
11     # dav allowed method
12     dav_methods          PUT DELETE MKCOL COPY MOVE;
13     # Allow current scope perform specified DAV method
14     dav_ext_methods      PROPFIND OPTIONS;
15
16     # In this folder, newly created folder or file is to have specified permission. If
17     dav_access           user:rw group:rw all:r;
18
19     # Temporary folder
20     client_body_temp_path /tmp/nginx/client-bodies;
21
22     # MAX size of uploaded file, 0 mean unlimited
23     client_max_body_size 0;
24
25     # Allow autocreate folder here if necessary
26     create_full_put_path on;
27 }
```

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Create users

- 輸入 user

```
1  echo -n 'userName:' | sudo tee -a /etc/nginx/.credentials.list;
```

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Print out the user name, `tee` will print the user and direct it into `/etc/nginx/.credential.list` file

- Enter password

```
1  openssl passwd -apr1 | sudo tee -a /etc/nginx/.credentials.list;
```

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Turn password to encrypted characters with `openssl passwd -apr1` rule, print and direct into `/etc/nginx/credentials.list` file. `-a` = append

It's done!

. . .

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Nginx

Webdav

Backend



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
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
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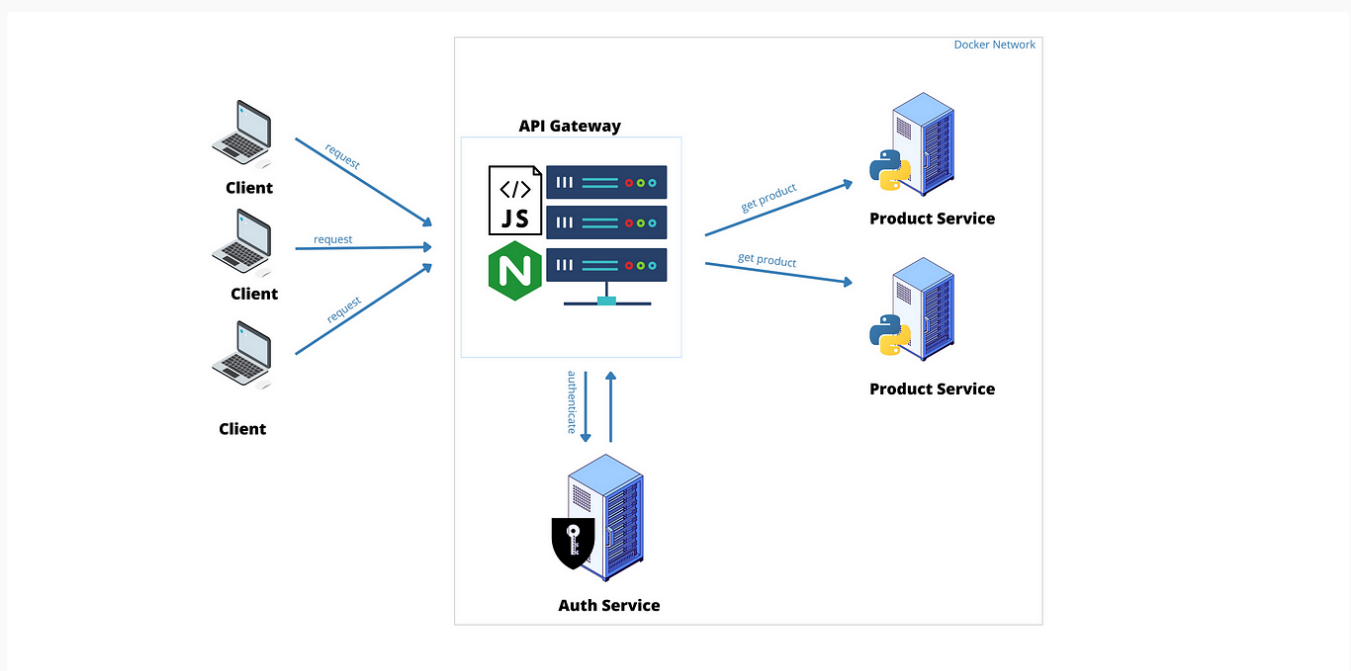
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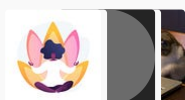


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Scheme *

http

Forward Hostname / IP *

192.168.xx.yy

Forward Port *

5055



Cache Assets

Block Common Exploits

Websockets Support

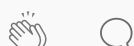
Access List

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