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- □□ virtualbox □ □□□□ □□□□ □□ □□□ □ □ □□. □□□ □□□ □□□□ □□ □ □□ □□□ □□□□ □□ □□□ □□□ □□ □□□□.
- virtualbox □ □□□□ □□ □ □□ □ □□ □□□□.
- synoboot.img □□□ VHD □□□ □□□□ □□.
    - □□, VHD □□□ IMG □□□ □□□□ □□□ □□□ □□□ □□ □ □□□ □□ □ □□. □□□ VHD □□□ □□□.
    - synoboot □□□ □□ grub.cfg □□□ □□□ MAC □□□ □□□□. (OSFMount □□□□ □□)
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    - NAT □□
        - MAC □□□ synoboot □□□□ grub.cfg □ □□ □□□ □□□□.
        - synology assistant (find.synology.com) □□ □ □□□□□□□, □□ □□□ □□.

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        - http://[PC □□□]:5000/web_index.html
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        - ssh □ □□□□, □□□□□ □□ □□□ □□□□. (□□□□ SSD □□□

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  - ln /dev/[□□□□1] /dev/synoboot1
  - ln /dev/[□□□□2] /dev/synoboot2

DS Audio □□ □□ □□ □□□□

[□] https://blog.acidpop.kr/308

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DSM > ds audio > □□ > □□ □□□□ > □□

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https://blog.kakaocdn.net/dn/ASGtY/btqz4KcjtQU/lxFGKo1s3j92kK2pcnyvaK/alsong_lyric_0.6.aum?attach=1&knm=tfile.aum

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https://github-releases.githubusercontent.com/203561885/715efe80-3661-11ea-9edf-e52c025dfe24?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20210609%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210609T083249Z&X-Amz-Expires=300&X-Amz-Signature=e7dc3888ea45fef1a4b8c2e6a2e08ae85dcbe4bd2219d4b9f7e26d920f10cb0a&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=203561885&response-content-disposition=attachment%3B%20filename%3Dfujirou_musix_match-1.3.aum&response-content-type=application%2Foctet-stream

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[□] http://m.ppomppu.co.kr/new/bbs_view.php?id=nas&no=40068

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- SSH □ □□
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fdisk -l

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- [illegible] COVID-19 [illegible], [illegible]([illegible])[illegible]. [illegible], [illegible] T [illegible], COVID-19 [illegible].
- [[illegible]][illegible] COVID-19 [illegible], [illegible]. [illegible] COVID-19[illegible]. [illegible] '[illegible]'[illegible]. [illegible] COVID-19 [illegible]. [illegible]. [illegible] T [illegible] B [illegible].
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webclient □□ □ reactive □□□□

- □□□ □□
    - doOnError() : □□□ □□□□ □□, □□ □□□ □□□□ □□ □□
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        - 2xx □ □□ □□□ Exception □ □□ call □
    - doOnSuccess() : □□ □□ □, □□□
    - onErrorReturn : □□□ □□□□ □ □□ □□ Return □
        - □□□ □□ □□□ □□□□ □□□□ □□□□ □□ □ □□
    - onErrorResume : □□□ □□□□ □ □□ Flux□□□ Return □
        - □□□ □□ □□□ □□□□ □□□□ □□□□ □□ □ □□
    - onErrorContinue : □□□ □□□□ □ □□□ □□ □□ □□□ skip□□ □□□.
        - □□□□ □ □□ □ □□ □ □□ □ □□

```
public Mono<Object> doExec(
                ServerHttpRequest request, ServerHttpResponse
clientResponse, RbcAuth rbcAuth) {

        String finalAuthToken = ...;
```

```
        try{
                return webClient.get()
                                .uri(rbcUrl.getCategories())
.accept(MediaType.APPLICATION_JSON)
                                   .headers(httpHeaders ->
httpHeaders.setBearerAuth(finalAuthToken))
                                .retrieve()
                                .onStatus(HttpStatus::isError,
res -> doError(res))
.bodyToMono(CustomResult.class)
                                          .doOnError(ex ->
doExcept(clientResponse, ex))
                                           .flatMap(res ->
doSucc(clientResponse, res))
                                      .doOnSuccess(res ->
doFinish(clientResponse, res))
                                .subscribe()
                                .log()
                                ;
        }catch (Exception e){
                      log.error("webClient fail. e={}",
e.getMessage(), e);
                return doExcept(clientResponse, e);
        }
}

private Mono<Object> doFinish(ServerHttpResponse response,
CustomResult res) {
        ...
        return Mono.just("finish");
}

private Mono<Object> doSucc(ServerHttpResponse response,
CustomResult res) {
        ...
        return Mono.just("success");
}

private Mono<Object> doExcept(ServerHttpResponse response,
Throwable ex) {
        ...
```

```
        return Mono.just("fail. e={}", e.getmessage());
}

private Mono<Exception> doError(ClientResponse res) {
        if (res.statusCode().isError()) {
                                            return  Mono.error(new
RuntimeException(res.toString()));
        }
        else{
                                            return  Mono.error(new
RuntimeException(res.toString()));
        }
}
```

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Docker □□ : Portainer □□

Docker □□ □□□□ □, □□□ □□□ □□□□□ □□□ portainer □□ docker-compose □□□ □□□□□.

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  - docker-compose -f [□□□□/□□□] up -d
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  - □) /volume1/□□□□/□□□
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- □□□□ □□□ endpoint□ □□□□.
  - □□ docker □ □□□□□, docker □ □□□□.

```
# docker-compose.yml □□
version: '2'

volumes:
  portainer_data:

services:

  portainer:
    # □□□
    image: portainer/portainer-ce:2.5.0
    restart: always
    ports:
      # □□□ □□
      - 39005:9000
    environment:
      # □□□□
      TZ: Asia/Seoul
```

```
volumes:
  - portainer_data:/data
  - /var/run/docker.sock:/var/run/docker.sock
```

[illegible] [illegible] [illegible]

docker hub[illegible] [illegible] [illegible], docker image[illegible] [illegible] [illegible] [illegible] docker image[illegible] [illegible] remote [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] docker[illegible] 3[illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

[Save]

1. [illegible]

– [illegible] image[illegible] [illegible] [illegible] file[illegible] export

2. [illegible]

– [illegible] [illegible] [illegible] [illegible] image[illegible] [illegible] [illegible] [illegible]

– import, commit[illegible] [illegible] [illegible]

3. example

> docker save ubuntu | gzip > ubuntu-golden.tar.gz

> zcat ubuntu-golden.tar.gz | docker load

[export]

1. [illegible]

– [illegible] [illegible] container[illegible] [illegible]([illegible]/[illegible], log [illegible])[illegible] [illegible] [illegible]

– [illegible] image[illegible] [illegible] [illegible] [illegible] image[illegible] export

2. [illegible]

— □□ □□□□□ □□□ □□□□ container□ □□□□ □□

3. □□□□

— Dockerfile□ □□□□ □□, □□□ □□□ □□□□ □□□.

4. example

> docker export <containerid> | gzip > mariadb-10-1.tar.gz

> zcat mariadb-10-1.tar.gz | docker import – mariadb:10.1

5. Troubleshooting

— export -> import -> docker run□ □□□□, □□ □□ □□ “docker: Error response from daemon: No command specified.”

— export□ □□□ filesystem□ export□□, Dockerfile□ ENV, CMD, ENTRYPOINT□□ □□□□ □□.

— □□

* save □□□□ □□

* import□□ □□□ □□□□ □□□□ □□□ □ □□□, save -> load□ □□□□ □□□□ □□ □□□□ □ □□.

[commit]

1. □□

— □□□□ container□ image□ □□

— export□ □□ □□ □□□□□ □□□ image□ □□□□ □.

— save/export□ □□ image□ file□ □□.

— □□□ image□ □□□□□ -c □□□□ CMD, ENV□□ □□□□ □□□ □ □□.

2. □□

— □□□□ □□□□□ □□□ export□ □□ □□.

— commit□ □□ container□□ □□□ □□□ □□ □□□ □□□□□ □□, □□ □□□ □□□□

□□□ image□ □□□□ □□? (□□..)

3. example

> docker commit –change “ENV DEBUG true” c3f279d17e0a svendowideit/testimage:version3

[□□] [docker] import vs save vs commit|□□□ freepsw

□□□□-jitsi □□

- □□□□□
  - https://softmagic.tistory.com/92
- □□□□
  - □□ □□□□
    - sudo git clone https://github.com/jitsi/docker-jitsi-meet && cd docker-jitsi-meet
  - .env □□ □□ □ □□□□ □□
    - sudo cp env.example .env
    - sudo ./gen-passwords.sh
  - config □□ □□
    - sudo mkdir -p /data1/jitsi/docker-jitsi-meet/.jitsi-meet-cfg/{web/letsencrypt,transcripts,prosody/config,prosody/prosody-plugins-custom,jicofo,jvb,jigasi,jibri}
  - SSL □□
    - sudo mkdir -p .jitsi-meet-cfg/web/keys/
    - sudo cp -p /etc/apache2/ssl/ectech.co.kr_202003113US6.crt.pem .jitsi-meet-cfg/web/keys/cert.crt
    - sudo cp -p

/etc/apache2/ssl/ectech.co.kr_202003113US6.key.pem .jitsi-meet-cfg/web/keys/cert.key

- .env □□ □□ □□
  - HTTP_PORT=**31080**
  - HTTPS_PORT=**31443**
  - TZ=**Asia/Seoul**
  - PUBLIC_URL=**https://ectech.co.kr:31001**
  - CONFIG=<u>□□□□</u>/docker-jitsi-meet/.jitsi-meet-cfg
  - ENABLE_AUTH=1 # □□□ □□ □□□ □□□ □□ □□
  - ENABLE_GUESTS=1 # □□□ □□□ □□ □□□ □ □□□ □□
  - AUTH_TYPE=**<u>internal</u>** # □□□ □□□□□ □□ (internal : □□ □□□ □□□□ □□, ldap)
- □□□ □□
  - **10000 UDP** – for general network video/audio communications
  - **3478 UDP** – for quering the stun server (coturn, optional, needs config.js change to enable it)
  - **5347 TCP** – for fallback network video/audio communications over TCP (when UDP is blocked for example), served by coturn
- □□
  - # □□
    - **docker-compose up -d**
  - # □□ □□ □ □□
    - docker-compose -f docker-compose.yml -f etherpad.yml up
  - # jisi □□
    - docker-compose -f docker-compose.yml -f jigasi.yml -f jibri.yml up
- □□
  - https://□□□:31443
- □□
  - □□□ □□
    - docker exec -it dockerjitsimeet_prosody_1 /bin/bash
    - prosodyctl –config /config/prosody.cfg.lua

register [illegible]meet.jitsi [illegible]

- [illegible] [illegible] [illegible]..
    - [illegible] [illegible]
        - .env
        - /.jitsi-meet-cfg/web/
            - config.js
            - interface_config.js
- [illegible]
    - https://blog.daum.net/sakwon/283
    - https://blog.daum.net/sakwon/294