

Docker Stack

My main server machine, pages about what is running and how it is configured

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AdminTools

Portainer

Docker container management

All containers are in docker compose, but this is a good overview screen

```
portainer:
  image: portainer/portainer-ce:latest
  container_name: "portainer"
  volumes:
    - /var/run/docker.sock:/var/run/docker.sock
    - /mnt/user/Share/Docker/portainer:/data
  restart: always
  links:
    - traefik
  networks:
    web:
      ipv4_address: 172.18.0.253
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.portainer-web.rule=Host(`docker.kevinsloan.net`)"
    - "traefik.http.routers.portainer-web.entrypoints=web"
    - "traefik.http.routers.portainer-secured.rule=Host(`docker.kevinsloan.net`)"
    - "traefik.http.routers.portainer-secured.entrypoints=web-secured"
    - "traefik.http.routers.portainer-secured.tls.certresolver=mytlschallenge"
    - "traefik.http.services.portainer.loadbalancer.server.port=9000"
```

Traefik

Traefik used for ingress and cert management

```
traefik:
  image: traefik:v3
  restart: always
  container_name: traefik
  ports:
    - "80:80" # <== http
    #- "8080:8080" # <== :8080 is where the dashboard runs on
    - "443:443" # <== https
  command:
    ##### These are the CLI commands that will configure Traefik and tell it how to work!
    #####
    ## API Settings - https://docs.traefik.io/operations/api/, endpoints -
    https://docs.traefik.io/operations/api/#endpoints ##
    - --api=true # <== Enabling insecure api, NOT RECOMMENDED FOR PRODUCTION
    - --api.dashboard=true # <== Enabling the dashboard to view services, middlewares,
    routers, etc...
    - --api.debug=true # <== Enabling additional endpoints for debugging and profiling
    - --servertransport.insecureskipverify=true
    - --log.level=INFO
    #- --log.filepath=/var/logs/traefik.log
    - --accesslog=true
    #- --accesslog.filepath=/var/logs/traefik-access.log

    ## Log Settings (options: ERROR, DEBUG, PANIC, FATAL, WARN, INFO) -
    https://docs.traefik.io/observability/logs/ ##
    #- --log.level=DEBUG # <== Setting the level of the logs from traefik

    ## Provider Settings - https://docs.traefik.io/providers/docker/#provider-configuration
    ##
    - --providers.docker=true # <== Enabling docker as the provider for traefik
    - --providers.docker.exposedbydefault=false # <== Don't expose every container to
```

traefik, only expose enabled ones

- --providers.file.filename=/dynamic.yml # <== Referring to a dynamic configuration file
- --providers.file.directory=/rules
- --providers.docker.network=web # <== Operate on the docker network named web

Entrypoints Settings - <https://docs.traefik.io/routing/entrypoints/#configuration>

- --entrypoints.web.address=:80 # <== Defining an entrypoint for port :80 named web
- --entrypoints.web-secured.address=:443 # <== Defining an entrypoint for https on port :443 named web-secured
- --entrypoints.web.http.redirections.entrypoint.to=web-secured
- --entryPoints.web.http.redirections.entrypoint.scheme=https
- --entrypoints.web-secured.asDefault=true
- --entrypoints.web-secured.http.tls.certResolver=mytlschallenge

Certificate Settings (Let's Encrypt) -

<https://docs.traefik.io/https/acme/#configuration-examples> ##

- --certificatesResolvers.mytlschallenge.acme.httpChallenge.entryPoint=web
- --certificatesresolvers.mytlschallenge.acme.tlschallenge=true # <== Enable TLS-ALPN-01 to generate and renew ACME certs
- --certificatesresolvers.mytlschallenge.acme.email=kevin@kevinsloan.net # <== Setting email for certs
- --certificatesresolvers.mytlschallenge.acme.storage=/letsencrypt/acme.json # <== Defining acme file to store cert information

volumes:

- ./letsencrypt:/letsencrypt # <== Volume for certs (TLS)
- /var/run/docker.sock:/var/run/docker.sock # <== Volume for docker admin
- ./dynamic.yml:/dynamic.yml # <== Volume for dynamic conf file, **ref: line 27
- ./rules:/rules
- /mnt/user/Share/Docker/Traefik/logs:/var/logs

networks:

Placing traefik on the network named web, to access containers on this network

web:

ipv4_address: 172.18.0.2

labels:

Labels define the behavior and rules of the traefik proxy for this container

- traefik.enable=true # <== Enable traefik on itself to view dashboard and assign subdomain to view it

```
- traefik.http.routers.traefik-web.rule=Host(`traefik.kevinsloan.net`) # <== Setting the domain for the dashboard
- traefik.http.routers.traefik-web.entrypoints=web
- traefik.http.routers.traefik-secured.rule=Host(`traefik.kevinsloan.net`)
- traefik.http.routers.traefik-secured.entrypoints=web-secured
- traefik.http.routers.traefik-secured.service=api@internal # <== Enabling the api to be a service to access
```

rules directory to setup custom entrypoints

aoo-hassio.toml

```
[http.routers]
  [http.routers.hassio-rtr]
    entryPoints = ["web-secured"]
    rule = "Host(`homeassist.kevinsloan.net`)"
    service = "hassio-svc"
  [http.routers.hassio-rtr.tls]
    certresolver = "mytlschallenge"

[http.services]
  [http.services.hassio-svc]
    [http.services.hassio-svc.loadBalancer]
      passHostHeader = true
      [[http.services.hassio-svc.loadBalancer.servers]]
        url = "http://192.168.123.108:8123" # or whatever your external host's IP:port is
```

app-kuma.toml

```
[http.routers]
  [http.routers.kuma-rtr]
    entryPoints = ["web-secured"]
    rule = "Host(`kuma-uptime.kevinsloan.net`)"
    service = "kuma-svc"
  [http.routers.kuma-rtr.tls]
    certresolver = "mytlschallenge"

[http.services]
  [http.services.kuma-svc]
```

```
[http.services.kuma-svc.loadBalancer]
  [[http.services.kuma-svc.loadBalancer.servers]]
    url = "http://192.168.123.101:80" # or whatever your external host's IP:port is
```

app-pihole.toml

```
[http.routers]
  [http.routers.pihole-rtr]
    entryPoints = ["web-secured"]
    rule = "Host(`pihole.kevinsloan.net`)"
    service = "pihole-svc"
  [http.routers.pihole-rtr.tls]
    certresolver = "mytlschallenge"

[http.services]
  [http.services.pihole-svc]
    [http.services.pihole-svc.loadBalancer]
      [[http.services.pihole-svc.loadBalancer.servers]]
        url = "http://192.168.123.107:80" # or whatever your external host's IP:port is
```

MySql

mysql db server used for other apps

```
mysql:
  image: mysql:8.0
  container_name: "mysql"
  restart: "always"
  ports:
    - "3306:3306"
  volumes:
    - /mnt/user/Share/Docker/Webhost/mysql/data:/var/lib/mysql
    - /mnt/user/Share/Docker/Webhost/mysql/logs:/var/log/mysql
    - /mnt/user/Share/Docker/ombi/config:/tempombi/config
  environment:
    MYSQL_ROOT_PASSWORD: ${PASSWORD}
    MYSQL_DATABASE: website
    MYSQL_USER: ${USERNAME}
    MYSQL_PASSWORD: ${PASSWORD}
  networks:
    web:
      ipv4_address: 172.18.0.13
```


Guacamole

GuacD

Guacamole Daemon used for VNC, RDP, and SSH remotely

```
guacd:
  image: guacamole/guacd
  container_name: "guacd"
  restart: always
  networks:
    web:
      ipv4_address: 172.18.0.3
```

Guacamole

Apache Guacamole used for VNC, RDP, and SSH remotely requires GuacD

```
guacamole:
  image: guacamole/guacamole
  container_name: "guacamole"
  restart: always
  networks:
    web:
      ipv4_address: 172.18.0.4
  links:
    - guacd
    - traefik
  environment:
    - GUACD_HOSTNAME=guacd
    - MYSQL_HOSTNAME=mysql
    - MYSQL_DATABASE=guacamole_db
    - MYSQL_USER=${USERNAME}
    - MYSQL_PASSWORD=${PASSWORD}
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.guac-web.rule=Host(`guac.kevinsloan.net`)"
    - "traefik.http.routers.guac-web.entrypoints=web"
```

- "traefik.http.middlewares.add-guacamole.addprefix.prefix=/guacamole"
- "traefik.http.routers.guac-secured.middlewares=add-guacamole"
- "traefik.http.routers.guac-secured.rule=Host(`guac.kevinsloan.net`)"
- "traefik.http.routers.guac-secured.entrypoints=web-secured"

Duplicati

Duplicati used for backups

Backing up both locally and to google drive all app configs

docker compose backup handled by github

```

duplicati:
  image: linuxserver/duplicati
  container_name: duplicati
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=America/New_York
  volumes:
    - /mnt/user/Share/Docker/duplicati/config:/config
    - /mnt/user/FTP/backups:/backups
    - /mnt/user/Share/Docker:/source
  restart: unless-stopped
  links:
    - traefik
  networks:
    web:
      ipv4_address: 172.18.0.254
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.duplicati-web.rule=Host(`backup.kevinsloan.net`)"
    - "traefik.http.routers.duplicati-web.entrypoints=web"
    - "traefik.http.routers.duplicati-secured.rule=Host(`backup.kevinsloan.net`)"
    - "traefik.http.routers.duplicati-secured.entrypoints=web-secured"
```

Visual Studio Code

Web version of VSCode

```
vscode:
  image: ksloan90/code-server:latest
  container_name: vscode
  restart: unless-stopped
  links:
    - traefik
  networks:
    web:
      ipv4_address: 172.18.0.20
  environment:
    - PUID=1000
    - GUID=1000
    - PASSWORD=${PASSWORD}
  volumes:
    - /mnt/user/Share/Docker/vscode:/config
    - /mnt/user/Share:/share
    #- /home/sloan:/home/sloan
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.vscode-web.rule=Host(`vscode.kevinsloan.net`)"
    - "traefik.http.routers.vscode-web.entrypoints=web"
    - "traefik.http.routers.vscode-secured.rule=Host(`vscode.kevinsloan.net`)"
    - "traefik.http.routers.vscode-secured.entrypoints=web-secured"
    - "com.centurylinklabs.watchtower.enable=false"
```

Bookstack

Bookstack pages used for documentation

```
bookstack:
  image: linuxserver/bookstack
  container_name: bookstack
  environment:
    - PUID=1000
    - PGID=1000
    - DB_HOST=mysql
    - DB_USER=${USERNAME}
    - DB_PASS=${PASSWORD}
    - DB_DATABASE=bookstack
    - APP_URL=https://wiki.kevinsloan.net
  networks:
    web:
      ipv4_address: 172.18.0.23
  volumes:
    - /mnt/user/Share/Docker/bookstack/config:/config
  restart: unless-stopped
  depends_on:
    - traefik
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.bookstack-web.rule=Host(`wiki.kevinsloan.net`)"
    - "traefik.http.routers.bookstack-web.entrypoints=web"
    - "traefik.http.routers.bookstack-secured.rule=Host(`wiki.kevinsloan.net`)"
    - "traefik.http.routers.bookstack-secured.entrypoints=web-secured"
```

Droppy

droppy app for quickly sharing files

```
droppy:
  image: silverwind/droppy
  container_name: droppy
  restart: unless-stopped
  networks:
    web:
      ipv4_address: 172.18.0.15
  volumes:
    - /mnt/user/Share/Docker/droppy/config:/config
    - /mnt/user/FTP:/files
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=${TZ}
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.droppy-web.rule=Host(`cloud.kevinsloan.net`)"
    - "traefik.http.routers.droppy-web.entrypoints=web"
    - "traefik.http.routers.droppy-secured.rule=Host(`cloud.kevinsloan.net`)"
    - "traefik.http.routers.droppy-secured.entrypoints=web-secured"
```

watchtower

Watchtower to auto-update containers

```
watchtower:
  image: containrrr/watchtower
  container_name: watchtower
  volumes:
    - /var/run/docker.sock:/var/run/docker.sock
  environment:
    - TZ=${TZ}
    - WATCHTOWER_CLEANUP=true
    - WATCHTOWER_SCHEDULE=0 0 7 * * *
    #- WATCHTOWER_POLL_INTERVAL=10
    - WATCHTOWER_NOTIFICATIONS=slack
    - WATCHTOWER_NOTIFICATION_SLACK_HOOK_URL=${Slack_Watchtower_URL}
  restart: unless-stopped
```

OSTicket

Ticket app to help organize plex issues for working

```
osticket:
  image: devinsolutions/osticket
  container_name: "osticket"
  restart: always
  networks:
    web:
      ipv4_address: 172.18.0.12
  links:
    - mysql:mysql
    - traefik
  environment:
    - MYSQL_HOST=mysql
    - MYSQL_DATABASE=osticket_db
    - MYSQL_USER=${USERNAME}
    - MYSQL_PASSWORD=${PASSWORD}
    - TZ=${TZ}
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.osticket-web.rule=Host(`help.kevinsloan.net`)"
    - "traefik.http.routers.osticket-web.entrypoints=web"
    - "traefik.http.routers.osticket-secured.rule=Host(`help.kevinsloan.net`)"
    - "traefik.http.routers.osticket-secured.tls=true"
    - "traefik.http.routers.osticket-secured.entrypoints=web-secured"
```


Plex

Plex related apps

Transmission

```
transmission:
  container_name: transmission
  image: haugene/transmission-openvpn
  cap_add:
    - NET_ADMIN
  devices:
    - /dev/net/tun
  restart: unless-stopped
  ports:
    - 9091:9091
    - 51413:51413
    - 51413:51413/udp
  dns:
    - 8.8.4.4
    - 8.8.8.8
  volumes:
    - /etc/localtime:/etc/localtime:ro
    - /drivespace/movies/downloads:/data
  environment:
    - OPENVPN_PROVIDER=PIA
    - OPENVPN_CONFIG=CA Montreal
    - OPENVPN_USERNAME=${OPENVPN_USERNAME}
    - OPENVPN_PASSWORD=${PASSWORD}
    - OPENVPN_OPTS=--inactive 3600 --ping 10 --ping-exit 60 --mssfix 1300 #mssfix will
hopefully resolve bad packet id errors
    - LOCAL_NETWORK=192.168.120.0/22
    - TRANSMISSION_RATIO_LIMIT_ENABLED=true #was true but trying false and manual monitoring
    - TRANSMISSION_RATIO_LIMIT=5
    - TRANSMISSION_WEB_UI=kettu #sexier UI
    - TRANSMISSION_SCRAPED_PAUSED_TORRENTS_ENABLED=false #useful if having issue with pulling
down torrent info
    - TRANSMISSION_DHT_ENABLED=false #disallows sharing outside of private tracker
    - TRANSMISSION_PEX_ENABLED=false #similar to above
    - TRANSMISSION_ENCRYPTION=1 #prefer encrypted connections
```

- TRANSMISSION_WATCH_DIR_ENABLED=true
- TRANSMISSION_WATCH_DIR=/data/watching
- TRANSMISSION_INCOMPLETE_DIR=/data/incomplete
- TRANSMISSION_INCOMPLETE_DIR_ENABLED=true
- TRANSMISSION_DOWNLOAD_DIR=/data/completed
- TRANSMISSION_DOWNLOAD_QUEUE_ENABLED=1 #enables download queue to go beyond limit of 5
- TRANSMISSION_DOWNLOAD_QUEUE_SIZE=50 #increase download queue to 50 assuming
- TRANSMISSION_QUEUE_STALLED_ENABLED=false #stop downloads pausing when stalled
- TRANSMISSION_SCRIPT_TORRENT_DONE_ENABLED=true #enable script on download completion
- TRANSMISSION_SCRIPT_TORRENT_DONE_FILENAME=/data/unrar #script to run
- PGID=1000
- PUID=1000

networks:

web:

ipv4_address: 172.18.0.5

labels:

- "traefik.enable=true"
- "traefik.http.routers.transmission-web.rule=Host(`downloads.kevinsloan.net`)"
- "traefik.http.routers.transmission-web.entrypoints=web"
- "traefik.http.routers.transmission-web.middlewares=redirect@file"
- "traefik.http.routers.transmission-secured.rule=Host(`downloads.kevinsloan.net`)"
- "traefik.http.routers.transmission-secured.entrypoints=web-secured"
- "traefik.http.routers.transmission-secured.tls.certresolver=mytlschallenge"
- "traefik.http.routers.transmission-secured.middlewares=test-auth@file"
- "traefik.http.services.transmission.loadbalancer.server.port=9091"

Sonarr

```
sonarr:
  image: linuxserver/sonarr
  container_name: sonarr
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=America/New_York
    - UMASK_SET=022 #optional
  volumes:
    - /Docker/trackers/Sonarr:/config
    - /drivespace/TV:/tv
    - /drivespace/movies/downloads/completed:/downloads
    - /drivespace/movies/downloads/completed:/data/completed
  restart: unless-stopped
  networks:
    web:
      ipv4_address: 172.18.0.7
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.sonarr-web.rule=Host(`sonarr.kevinsloan.net`)"
    - "traefik.http.routers.sonarr-web.entrypoints=web"
    - "traefik.http.routers.sonarr-web.middlewares=redirect@file"
    - "traefik.http.routers.sonarr-secured.rule=Host(`sonarr.kevinsloan.net`)"
    - "traefik.http.routers.sonarr-secured.entrypoints=web-secured"
    - "traefik.http.routers.sonarr-secured.tls.certresolver=mytlschallenge"
    - "traefik.http.routers.sonarr-secured.middlewares=test-auth@file"
```

Radarr

```
radarr:
  image: linuxserver/radarr
  container_name: radarr
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=America/New_York
    - UMASK_SET=022 #optional
  volumes:
    - /Docker/trackers/Radarr:/config
    - /drivespace/movies/movies_real:/movies
    - /drivespace/movies/downloads/completed:/downloads
    - /drivespace/movies/downloads/completed:/data/completed #adding this because importer
was looking for "data"
  restart: unless-stopped
  networks:
    web:
      ipv4_address: 172.18.0.8
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.radarr-web.rule=Host(`radarr.kevinsloan.net`)"
    - "traefik.http.routers.radarr-web.entrypoints=web"
    - "traefik.http.routers.radarr-web.middlewares=redirect@file"
    - "traefik.http.routers.radarr-secured.rule=Host(`radarr.kevinsloan.net`)"
    - "traefik.http.routers.radarr-secured.entrypoints=web-secured"
    - "traefik.http.routers.radarr-secured.tls.certresolver=mytlschallenge"
    - "traefik.http.routers.radarr-secured.middlewares=test-auth@file"
```

Jackett

```
jackett:
  image: linuxserver/jackett
  container_name: jackett
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=America/New_York
  volumes:
    - /Docker/trackers/Jackett:/config
    - /drivespace/movies/downloads/completed:/downloads
  restart: unless-stopped
  networks:
    web:
      ipv4_address: 172.18.0.6
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.jackett-web.rule=Host(`jackett.kevinsloan.net`)"
    - "traefik.http.routers.jackett-web.entrypoints=web"
    - "traefik.http.routers.jackett-web.middlewares=redirect@file"
    - "traefik.http.routers.jackett-secured.rule=Host(`jackett.kevinsloan.net`)"
    - "traefik.http.routers.jackett-secured.entrypoints=web-secured"
    - "traefik.http.routers.jackett-secured.tls.certresolver=mytlschallenge"
```

Plex

```
plex:
  image: linuxserver/plex
  container_name: plex
  environment:
    - PUID=1000
    - PGID=1000
    - VERSION=docker
    - UMASK_SET=022 #optional
    - PLEX_CLAIM="claim-TC4UsrTshyZ2qCUWPY7o"
  volumes:
    - /Docker/Plex/Library:/config
    - /drivespace/TV:/tv
    - /drivespace/movies:/movies
    - /mnt/RAMDISK:/transcode
  restart: unless-stopped
  networks:
    web:
      ipv4_address: 172.18.0.9
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.plex-web.rule=Host(`plex.kevinsloan.net`)"
    - "traefik.http.routers.plex-web.entrypoints=web"
    - "traefik.http.routers.plex-web.middlewares=redirect@file"
    - "traefik.http.routers.plex-secured.rule=Host(`plex.kevinsloan.net`)"
    - "traefik.http.routers.plex-secured.entrypoints=web-secured"
    - "traefik.http.routers.plex-secured.tls.certresolver=mytlschallenge"
    - "traefik.http.services.plex.loadbalancer.server.port=32400"
```

Plex

Tautulli

```
tautulli:
  image: tautulli/tautulli
  container_name: tautulli
  volumes:
    - /Docker/tautulli:/config
    - /Docker/Plex/Library/Library/Application Support/Plex Media Server/Logs:/plex_logs:ro
  environment:
    - PGID=1000
    - PUID=1000
    - TZ=America/New_York
  networks:
    web:
      ipv4_address: 172.18.0.10
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.tautulli-web.rule=Host(`monitorplex.kevinsloan.net`)"
    - "traefik.http.routers.tautulli-web.entrypoints=web"
    - "traefik.http.routers.tautulli-web.middlewares=redirect@file"
    - "traefik.http.routers.tautulli-secured.rule=Host(`monitorplex.kevinsloan.net`)"
    - "traefik.http.routers.tautulli-secured.entrypoints=web-secured"
    - "traefik.http.routers.tautulli-secured.tls.certresolver=mytlschallenge"
  restart: unless-stopped
```


Plex

Ombi

```
ombi:
  image: linuxserver/ombi
  container_name: ombi
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=America/New_York
    - BASE_URL=/ombi
  volumes:
    - /Docker/ombi/config:/config
  restart: unless-stopped
  networks:
    web:
      ipv4_address: 172.18.0.17
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.ombi-web.rule=Host(`plexRequest.kevinsloan.net`)"
    - "traefik.http.routers.ombi-web.entrypoints=web"
    - "traefik.http.routers.ombi-web.middlewares=redirect@file"
    - "traefik.http.routers.ombi-secured.rule=Host(`plexRequest.kevinsloan.net`)"
    - "traefik.http.routers.ombi-secured.entrypoints=web-secured"
    - "traefik.http.routers.ombi-secured.tls.certresolver=mytlschallenge"
```

Web

Web

Apache2

Docker-Compose

```
webserver:
  build:
    context: ./bin/webserver
  container_name: 'apache2'
  restart: 'always'
  volumes:
    - /Docker/Webhost/apache2/www:/var/www/html
    - /Docker/Webhost/apache2/config/php/php.ini:/usr/local/etc/php/php.ini
    - /Docker/Webhost/apache2/config/vhosts:/etc/apache2/sites-enabled
    - /Docker/Webhost/apache2/logs:/var/log/apache2
  ports:
    - 8888:80
  networks:
    web:
      ipv4_address: 172.18.0.11
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.apache-web.rule=Host(`kevinsloan.net`)"
    - "traefik.http.routers.apache-web.entrypoints=web"
    - "traefik.http.routers.apache-web.middlewares=redirect@file"
    - "traefik.http.routers.apache-secured.rule=Host(`kevinsloan.net`)"
    - "traefik.http.routers.apache-secured.entrypoints=web-secured"
    - "traefik.http.routers.apache-secured.tls.certresolver=mytlschallenge"
```

DockerFile

```
FROM php:7.1.20-apache

RUN apt-get -y update --fix-missing
RUN apt-get upgrade -y

# Install useful tools
RUN apt-get -y install apt-utils nano wget dialog
```

```
# Install important libraries
```

```
RUN apt-get -y install --fix-missing apt-utils build-essential git curl libcurl3 libcurl3-dev  
zip
```

```
# Composer
```

```
RUN curl -sS https://getcomposer.org/installer | php -- --install-dir=/usr/local/bin --  
filename=composer
```

```
# Install xdebug
```

```
RUN pecl install xdebug-2.5.0
```

```
RUN docker-php-ext-enable xdebug
```

```
# Other PHP7 Extensions
```

```
RUN apt-get -y install libmcrypt-dev
```

```
RUN docker-php-ext-install mcrypt
```

```
RUN apt-get -y install libsqlite3-dev libsqlite3-0 mysql-client
```

```
RUN docker-php-ext-install pdo_mysql
```

```
RUN docker-php-ext-install pdo_sqlite
```

```
RUN docker-php-ext-install mysqli
```

```
RUN docker-php-ext-install curl
```

```
RUN docker-php-ext-install tokenizer
```

```
RUN docker-php-ext-install json
```

```
RUN apt-get -y install zlib1g-dev
```

```
RUN docker-php-ext-install zip
```

```
RUN apt-get -y install libicu-dev
```

```
RUN docker-php-ext-install -j$(nproc) intl
```

```
RUN docker-php-ext-install mbstring
```

```
RUN apt-get install -y libfreetype6-dev libjpeg62-turbo-dev libpng-dev
```

```
RUN docker-php-ext-configure gd --with-freetype-dir=/usr/include/ --with-jpeg-  
dir=/usr/include/
```

```
RUN docker-php-ext-install -j$(nproc) gd
```

```
# Enable apache modules
```

```
RUN a2enmod rewrite headers
```

PHPMyAdmin

```
phpmyadmin:
  image: phpmyadmin/phpmyadmin
  container_name: 'phpmyadmin'
  environment:
    PMA_HOST: mysql
    PMA_PORT: 3306
  volumes:
    - /sessions
  networks:
    web:
      ipv4_address: 172.18.0.14
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.phpmyadmin-web.rule=Host(`sql.kevinsloan.net`)"
    - "traefik.http.routers.phpmyadmin-web.entrypoints=web"
    - "traefik.http.routers.phpmyadmin-web.middlewares=redirect@file"
    - "traefik.http.routers.phpmyadmin-secured.rule=Host(`sql.kevinsloan.net`)"
    - "traefik.http.routers.phpmyadmin-secured.entrypoints=web-secured"
    - "traefik.http.routers.phpmyadmin-secured.tls.certresolver=mytlchallenge"
  restart: unless-stopped
```

Organizr

```
organizr:
  image: organizrtools/organizr-v2
  container_name: organizr
  environment:
    - PUID=1000
    - PGID=1000
    - TZ=America/New_York
  volumes:
    - /Docker/organizr:/config
  networks:
    web:
      ipv4_address: 172.18.0.16
  labels:
    - "traefik.enable=true"
    - "traefik.http.routers.organizr-web.rule=Host(`home.kevinsloan.net`)"
    - "traefik.http.routers.organizr-web.entrypoints=web"
    - "traefik.http.routers.organizr-web.middlewares=redirect@file"
    - "traefik.http.routers.organizr-secured.rule=Host(`home.kevinsloan.net`)"
    - "traefik.http.routers.organizr-secured.entrypoints=web-secured"
    - "traefik.http.routers.organizr-secured.tls.certresolver=mytlschallenge"
  restart: unless-stopped
```