Docker Stack

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

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AdminTools

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"
```

AdminTools

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
      - --serverstransport.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
```

AdminTools

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"
```

AdminTools

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"
```

AdminTools

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"
```

AdminTools

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"
```

AdminTools

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
```

AdminTools

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_SCRAPE_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"
```

Plex

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
```

Web

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=mytlschallenge"
    restart: unless-stopped
```

Web

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
```