# Konfiguration

## Dienste

| Name | Zweck | ffmd-repo | Ort | inst. Version | autostart | sonstiges | | |
|---|---|---|---|---|---|---|---|---|
| alfred | mesh-metadaten | alfred | | | | alfred | mesh-metadaten | alfred |
| alfred-json | json aus alfred erstellen | alfred-json | | 0.2-5-gad51202 | | | | |
| batman-adv | mesh-protokoll | - | | | | | | |
| fastd | mesh-protokoll | - | | v17 | | | | |
| ffmap-backend | backend zu Map | ffmap-backend | /opt/ffmap-backend/ | | | | | |
| ffmap-d3 | map | ffmap-d3 | /var/www/map/ | | | anpassen der neuen Version (grüner/blauer Punkt) /var/www/map/config.json Variable: current-firmware | | |
| ffmap-stat-panel | Statistik für Panel im Space | - | /opt/ffmap-stat-panel /var/www/map | | | | | |
| ffffng | Registerformular | ffffng | /home/fastdform/opt/ | | | | | |

## Reihenfolge der Dienste

- siehe https://pad.n39.eu/p/freifunk-gateway-startup bzw. https://pad.n39.eu/p/freifunk21
- openvpn (erzeugt device mullvad)
- fastd (erzeugt device ffmd-mesh-vpn, erzeugt nach startup bat0
- ~~tinc (erzeugt device icvpn)~~
- bird
- bird6
- isc-dhcp-server ( (DHCP nur auf GW1 )
- unbounds
- ~~radvd~~
- alfred (alfred nur auf GW1 )
- ~~batadv-vis~~

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## Start der notwendigen Dienste nach reboot

- die Datei start-gateway.sh ausführen (als root)

```
#!/bin/sh
service openvpn start
sleep 5
service fastd start
sleep 5
#service tinc start
#sleep 5
#service bird start
```

```
  #service bird6 start
  service isc-dhcp-server start
  service pdns start
  service unbound start
  service radvd start
  service alfred start
  service batadv-vis start
```

- example Konfiguration

# WEB1: prometheus (Statistik-Datenbank)

- http://37.120.170.49:9090/graph → Oberfläche
- config: /etc/prometheus/prometheus.yml

```
global:
  scrape_interval: 1m
  scrape_timeout: 10s
  evaluation_interval: 1m
scrape_configs:
- job_name: prometheus
  honor_timestamps: true
  scrape_interval: 1m
  scrape_timeout: 10s
  metrics_path: /metrics
  scheme: http
  static_configs:
  - targets:
    - localhost:9090
- job_name: hopglass
  honor_timestamps: true
  scrape_interval: 1m
  scrape_timeout: 10s
  metrics_path: /metrics
  scheme: http
  static_configs:
  - targets:
    - web1.md.freifunk.net:4000
```

- systemctl start/stop prometheus-systemd
- liegt unter: /etc/systemd/system/prometheus-systemd.service

```
  [Unit]
  Description=Prometheus service
  After=network.target

  [Service]
  User=prometheus
  Group=nogroup
  ExecStart=/usr/sbin/prometheus  -config.file
```

```
/etc/prometheus/prometheus.yml -storage.local.path /var/lib/prometheus/data
-web.console.templates /etc/prometheus/consoles -web.console.libraries
/etc/prometheus/console_libraries -storage.local.retention 760h0m0s
  ExecReload=/bin/kill -HUP $MAINPID
  Restart=always

  [Install]
  WantedBy=multi-user.target
```

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