# Подключение агента KUMA через HA Proxy

????? ?????? ?????? KUMA ????? ????????????? ???? ? ?????????????? haproxy




??? ????????? ?????? KUMA ? ??????? Core ???????????? ????? 7210/tcp ? 8429/tcp

**Правила МЭ для работы**

| ??/? | ????????? ??? ????????? | ip-????? ????????? | ????????? ??? ????????? ? | ip-????? ????????? ? | ????? | ????????? ? |
|---|---|---|---|---|---|---|
| 1 | ????? KUMA | 10.10.15.15 | ???? ? HA Proxy | 10.10.15.15 | 7210/tcp 8429/tcp | |
| 2 | ???? ? HA Proxy | 10.10.15.15 | ???? KUMA | 192.168.11 0.5 | 7210/tcp 8429/tcp | |

**Для работы необходимо:**

1. ? ????? hosts ?? ?????, ??? ??????????? ?????????? ????? kuma ????????? fqdn- ??? core kuma ? ip-????? ? ????????????? haproxy (?????-?? ?????? ??? ?? ????????, ??? ??? ????? ???????????? kuma ????????????? ?????????? ?? ????????????)
2. ?? ????????????? ????? ? ???????????? ?????????? haproxy
3. ?????????? ????? kuma ?? ??????, ??? ??????????? ??????, ? ????????? fqdn ????? core kuma

### Для нашего примера

1. ? ???? hosts ??????????? `10.10.15.15  core.kuma.example`
2. ? ???????????? ? haproxy ? ????? `/etc/haproxy/haproxy.cfg`

???????? ????????? ??????

```
frontend core.kuma.example:7210
        bind            *:7210
        mode            tcp
        log             global
        default_backend core_kuma_api

frontend core.kuma.example:8429
        bind            *:8429
        mode            tcp
        log             global
        default_backend core_kuma_agent

backend core_kuma_api
        mode                    tcp
        log                         global
        balance                 roundrobin
        option          tcp-check
        server          core   192.168.110.5:7210

backend core_kuma_agent
        mode                    tcp
        log                         global
        balance                 roundrobin
        option          tcp-check
        server          core   192.168.110.5:8429
```

3. ?????????? ?????? kuma

```
kuma.exe agent --core https://core.kuma.example:7210 --id 334b673f-b9a0-4dde-8398-45a7648ef767 --user ???_??????\???_???????????? --install
```

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Revision #6
Created 2025-10-22 14:18:43 UTC by lerat
Updated 2025-10-23 16:31:44 UTC by lerat