

FreeRADIUS

 , () [RADIUS-](#) , , VPN- [IP-PBX](#) . [RADIUS-](#) [FreeRADIUS](#).

1. **perl** 5.10 .



, **perl**, , :

```
user@server:~$ perl -V | grep USE_ITHREADS
USE_64_BIT_INT USE_ITHREADS USE_LARGE_FILES
```

[RADIUS-](#).

2. [\(deb.hydra-billing.com\)](#). .

FreeRADIUS

[\(deb.hydra-billing.com\)](#). . **freeradius** , . **freeradius-utils**, - .

```
user@server:~$ sudo aptitude update && \
sudo aptitude install freeradius freeradius-utils
```

HARD

/etc/freeradius/hard.pm :

```
...
#      HARD
my @HARD_API_URLS = (                                # API URL
    "http://<hard_ip_addr>:<hard_port1>/<plugin_name>/<plugin_object>",
    "http://<hard_ip_addr>:<hard_port2>/<plugin_name>/<plugin_object>",
    "http://<hard_ip_addr>:<hard_port3>/<plugin_name>/<plugin_object>",
);
use constant HARD_AUTH_USER      => "<hard_login>";      #
use constant HARD_AUTH_PASSWORD => "<hard_password>";      #
...
```

- <hard_ip_addr> — IP-, [HARD](#) ;
- <hard_port1>, <hard_port2>, <hard_port3> — (), [HARD](#) ;
- <plugin_name> — [HARD](#);
- <plugin_object> — , ;
- <hard_login> — [HARD](#);
- <hard_password> — [HARD](#).

:

```
...
#      HARD
my @HARD_API_URLS = (                                # API URL
    "http://127.0.0.1:11080/base/main",
);
use constant HARD_AUTH_USER      => "hydra";              #
use constant HARD_AUTH_PASSWORD => "q123";                #
...
```

RADIUS-

/etc/freeradius/hard.pm RADIUS-, :

```
# RADIUS
use constant HYDRA_AAA_SERV => "<radius_serivce_code>";
```

- <radius_serivce_code> — RADIUS-.

:

```
# RADIUS
use constant HYDRA_AAA_SERV => "RADIUS-VPN";
```

freeradius , **/etc/freeradius.** FreeRADIUS . **/etc/init.d/freeradius:**

```
user@server:~$ sudo /etc/init.d/freeradius <command>
```

<command> :

- start — ,
- stop — ,
- restart — ,
- reload — ,
- configtest — ,
- debug — ().