

v1.20_ RADIUS -

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eltex-radius . . . , .

/etc/eltex-radius/local.conf :

/etc/eltex-radius/local.conf

```
# Proxying
proxy_auth=0
proxy_domain_regex="^(.+\\.)?enterprise\\.root$"
proxy_host="127.0.0.1"
proxy_port=18121
proxy_secret="eltex"
```

- proxy_auth - , 0 1, 0,;
- proxy_domain_regex - , (: "^(.+\\.)?root\$");
- proxy_host - , ;
- proxy_port - ;
- proxy_secret - , eltex-radius , .



eltex-radius NAS.

/etc/eltex-radius/proxy.conf :

```
# -*- text -*-
##
## proxy.conf -- proxy radius and realm configuration directives
##

proxy server {
    default_fallback = no
}

home_server auth_proxy {
    type = auth
    ipaddr = "${proxy_host}"
    port = "${proxy_port}"
    secret = "${proxy_secret}"

    response_window = 20

    #
    # Start "zombie_period" after this many responses have
    # timed out.
    #
    response_timeouts = 1
    zombie_period = 40
    revive_interval = 120
```

```

        status_check = status-server
        check_interval = 30
        check_timeout = 4
        num_answers_to_alive = 3
        max_outstanding = 65536
    }

home_server_pool auth_proxy_failover {
    type = fail-over
    home_server = auth_proxy
}

realm auth_proxy {
    auth_pool = auth_proxy_failover
}

realm LOCAL {
    # If we do not specify a server pool, the realm is LOCAL, and
    # requests are not proxied to it.
}

#realm "~(.*\.)*example\.net$" {
#    auth_pool = my_auth_failover
#}

# Proxy SSID (for example to eltex-eap-tls) #139679
home_server auth_ssid {
    type = auth
    ipaddr = "${proxy_ssid_host}"
    port = "${proxy_ssid_port}"
    secret = "${proxy_ssid_secret}"

    response_window = 20

    #response_timeouts = 1
    zombie_period = 40
    revive_interval = 120

    status_check = status-server
    check_interval = 30
    check_timeout = 4
    num_answers_to_alive = 3
    max_outstanding = 65536
}

home_server_pool auth_ssid_failover {
    type = fail-over
    home_server = auth_ssid
}

realm auth_ssid {
    auth_pool = auth_ssid_failover
}

```

RADIUS-

RADIUS-

/etc/eltex-radius/local.conf :

/etc/eltex-radius/local.conf

```
# Proxying
proxy_auth=1
proxy_domain_regex="^(.+\\.)?enterprise\\.root$"
proxy_host="10.10.10.11"
proxy_port=1812
proxy_secret="topsecret"
```

```
enterprise.root 10.10.10.11 1812, secret topsecret.
```



,...eltex-radius.

/etc/eltex-radius/proxy.conf .

RADIUS-

-, /etc/eltex-radius/proxy.conf.

home_server type auth+acct:

```
home_server auth_proxy {
    type = auth+acct
    ipaddr = "${proxy_host}"
    port = "${proxy_port}"
    secret = "${proxy_secret}"

    response_window = 20

    #
    # Start "zombie_period" after this many responses have
    # timed out.
    #
    # response_timeouts = 1
    zombie_period = 40
    revive_interval = 120

    status_check = status-server
    check_interval = 30
    check_timeout = 4
    num_answers_to_alive = 3
    max_outstanding = 65536
}
```

realm auth proxy auth_pool pool, :

```
realm auth_proxy {
    pool = auth_proxy_failover
}
```

, /etc/eltex-radius/servers/default preacct preprocess proxy_auth:

```

preacct {
    preprocess
    proxy_auth
    acct_counters64
    acct_unique
    acct_ciscoavpair

    # Parse common cisco-avp ('domain' for example)
    common_ciscoavpair
    rewrite_called_station_id

    if (${pcrf_enabled} == 0) {
        fill_ap_domain
        fill_ssid_security
    }

    files
}

```

RADIUS-

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/etc/eltex-radius/local.conf, host, port secret , :

```

# Proxying
proxy_auth=1
proxy_domain_regex="^(.+\.)?root$"

proxy1_host="10.10.10.11"
proxy1_port=1812
proxy1_secret="topsecret"

proxy2_host="10.10.10.12"
proxy2_port=1812
proxy2_secret="topsecret"

```

/etc/eltex-radius/local.conf. home_server .

home_server home_server_pool, , realm auth_proxy. , - , pool.

```

home_server auth_proxy1 {
    type = auth+acct
    ipaddr = "${proxy1_host}"
    port = "${proxy1_port}"
    secret = "${proxy1_secret}"

    response_window = 20

    #
    # Start "zombie_period" after this many responses have
    # timed out.
    #
#    response_timeouts = 1
    zombie_period = 40
    revive_interval = 120

    status_check = status-server
    check_interval = 30
    check_timeout = 4
    num_answers_to_alive = 3
    max_outstanding = 65536
}

home_server auth_proxy2 {
    type = auth+acct
    ipaddr = "${proxy2_host}"
    port = "${proxy2_port}"
    secret = "${proxy2_secret}"

    response_window = 20

    zombie_period = 40
    revive_interval = 120

    status_check = status-server
    check_interval = 30
    check_timeout = 4
    num_answers_to_alive = 3
    max_outstanding = 65536
}

home_server_pool auth_proxy_failover {
    type = fail-over
    home_server = auth_proxy1
    home_server = auth_proxy2
}

realm auth_proxy {
    pool = auth_proxy_failover
}

```

```
/etc/eltex-radius/servers/default preacct preprocess proxy_auth, .
```



failover, type home_server_pool. , .

RADIUS-

Central, North-West , South, Volga . " (, North-West proxy_domain_regex proxy_domain_regex_2) eltex-radius.

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/etc/eltex-radius/local.conf

local.conf

```
# Proxying ( )
proxy_auth=1
proxy_domain_regex="^(.+\\.)?(Central|North-West)\\.root$"
proxy_host="1.1.1.1"
proxy_port=1812
proxy_secret="password1"

#
proxy_domain_regex_2="^(.+\\.)?(South|Volga)\\.root$"
proxy_host_2="2.2.2.2"
proxy_port_2=1812
proxy_secret_2="password2"
```

/etc/eltex-radius/proxy.conf

proxy.conf

```
home_server auth_proxy_2 {
    type = auth
    ipaddr = "${proxy_host_2}"
    port = "${proxy_port_2}"
    secret = "${proxy_secret_2}"

    response_window = 20

    #
    # Start "zombie_period" after this many responses have
    # timed out.
    #
#    response_timeouts = 1
    zombie_period = 40
    revive_interval = 120

    status_check = status-server
    check_interval = 30
    check_timeout = 4
    num_answers_to_alive = 3
    max_outstanding = 65536
}

home_server_pool auth_proxy_failover_2 {
    type = fail-over
    home_server = auth_proxy_2
}

realm auth_proxy_2 {
    auth_pool = auth_proxy_failover_2
}
```

/etc/eltex-radius/policy.d/proxy

policy.d/proxy

```
# Proxy Domain
proxy_auth {
    if ("${proxy_auth}" == 1) {
        if (&Eltex-Domain && &Eltex-Domain =~ /${proxy_domain_regex}/) {
            update control {
                Proxy-To-Realm = "auth_proxy"
            }

            # If request is going to be proxied, local processing is pointless
            handled
        }
        if (&Eltex-Domain && &Eltex-Domain =~ /${proxy_domain_regex_2}/) {
            update control {
                Proxy-To-Realm = "auth_proxy_2"
            }

            # If request is going to be proxied, local processing is pointless
            handled
        }
    }
}
```

eltex-radius.

, , , , SSID South South.root home server 2.2.2.2.

eraddebug

```
sudo eraddebug
```

```
(0) Wed Jun 16 14:35:15 2021: Debug: Starting proxy to home server 2.2.2.2 port 1812
(0) Wed Jun 16 14:35:15 2021: Debug: Sent Access-Request Id 232 from 0.0.0.0:32770 to 2.2.2.2:1812 length 221
(0) Wed Jun 16 14:35:15 2021: Debug:   User-Name = "test"
(0) Wed Jun 16 14:35:15 2021: Debug:   NAS-IP-Address = 10.25.96.115
(0) Wed Jun 16 14:35:15 2021: Debug:   NAS-Identifier = "A8-F9-4B-B2-48-EA"
(0) Wed Jun 16 14:35:15 2021: Debug:   NAS-Port-Id = "10"
(0) Wed Jun 16 14:35:15 2021: Debug:   NAS-Port = 0
(0) Wed Jun 16 14:35:15 2021: Debug:   Called-Station-Id = "A8-F9-4B-B2-48-E0:South"
(0) Wed Jun 16 14:35:18 2021: Debug:   Eltex-Domain = "South.root"
```

status-server

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/etc/eltex-radius/proxy.conf:

home_server auth_proxy :

status_check = none, status-server
revive_interval = 60, 120

home_server_pool auth_proxy_failover :

type = fail-over, load-balance

, :

```
service eltex-radius restart
```

: , 60 .

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1. <https://wiki.freeradius.org/version4/upgrade/proxy>
 2. <https://github.com/FreeRADIUS/freeradius-server/blob/v3.0.x/raddb/proxy.conf>