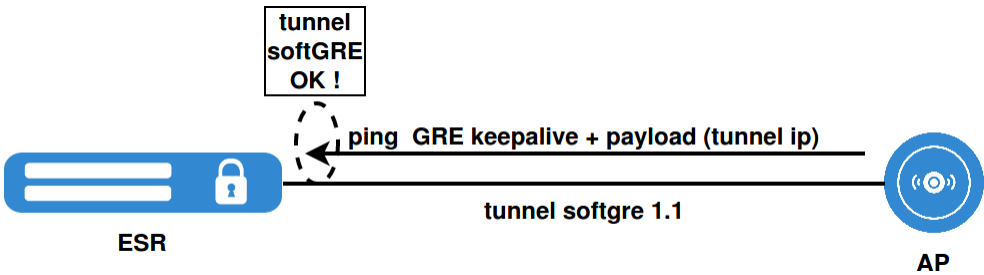


EoGRE keepalive reactive

1.6.6, ESR, wireless-controller (100/200/1000/1200/1700), EoGRE keepalive. ESR ping-probe EoGRE, icmp echo EoGRE keepalive, GRE, wireless-controller ... keepalive - "reactive"., ESR GRE keepalive "proactive".

! , ESR10/20/100/200 1.6.6, WEP/WOP 1.19.0.

. 1.



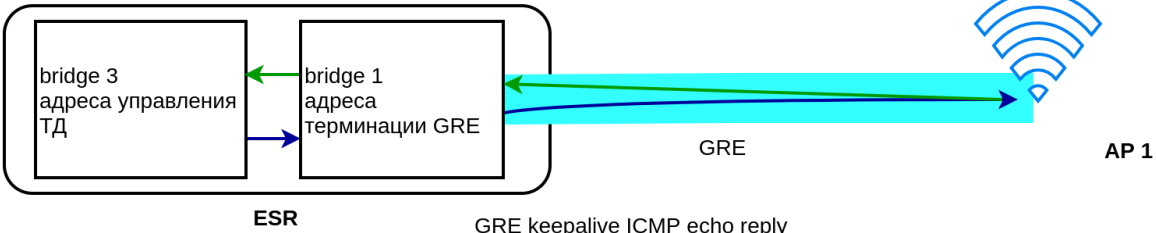
. 1.

1. (), 43- 11,12 (GRE) GRE ;
2. () icmp echo GRE , ;
3. icmp echo payload () ;
4. ESR, icmp echo, payload , , ;
5. (failure-count) - icmp echo reply GRE keepalive (retry-time) - .

, . 2, EoGRE keepalive :

GRE keepalive ICMP echo request

| | | | |
|--------------------------------------|------------|------------------------------------|--------------------------------------------------|
| AP 1 tunnel ip / bridge 1 SRC/DST IP | GRE header | AP 1 mgmt ip / bridge 3 SRC/DST IP | unique key payload: "ELTEX_GRE IPv4 <tunnel ip>" |
|--------------------------------------|------------|------------------------------------|--------------------------------------------------|



GRE keepalive ICMP echo reply

| | | | |
|--------------------------------------|------------|------------------------------------|--------------------------------------------------|
| bridge 1 / AP 1 tunnel ip SRC/DST IP | GRE header | bridge 3 / AP 1 mgmt ip SRC/DST IP | unique key payload: "ELTEX_GRE IPv4 <tunnel ip>" |
|--------------------------------------|------------|------------------------------------|--------------------------------------------------|

. 2.

ESR-10/20/100/200 WEP/WOP - : ESR - 1.6.6, - 1.19.0, payload icmp echo GRE keepalive.

ESR, wireless-controller, "reactive" keepalive, wireless-controller "keepalive mode reactive":

```
wireless-controller
  keepalive mode reactive
exit
```

, ESR ping-probe EoGRE keepalive, icmp echo EoGRE keepalive. ESR .

:

- 1) icmp echo, , failure-count (5, ESR1700, 10);
- 2), , icmp echo EoGRE keepalive , 1 icmp echo, retry-time (60 , ESR-1700, 120).

```
wireless-controller
  failure-count <1-100>
  retry-time <60-3600>
  keepalive mode reactive
  enable
exit
```

, failure-count = 5 retry-time 60, 300 icmp echo EoGRE keepalive (1200 ESR1700).

icmp echo EoGRE keepalive retry-time, syslog debug ESR :

```
1700-ipsec# 2020-01-31T16:51:15+07:00 %APTD-W-TUNNELS: no request from tunnel 3, remote ip 198.18.24.3 [2]
```

, IP , icmp echo EoGRE keepalive .

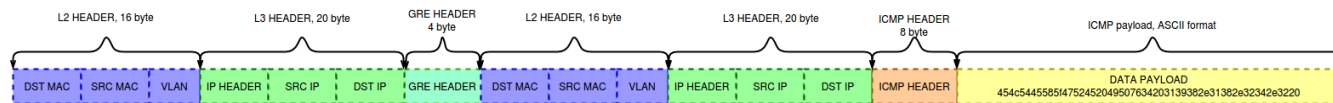
:

```
2020-01-31T17:10:00+07:00 %APTD-W-TUNNELS: ping failure count 5 reached, killing dead tunnel 3 198.18.24.3
```

ESR, wireless-controller, proactive EoGRE keepalive keepalive mode proactive:

```
wireless-controller
  keepalive mode proactive
exit
```

, . 3, (IP) icmp echo EoGRE keepalive, ESR10/20/100/200 1.6.6, WEP/WOP 1.19.0.



. 3.

payload ASCII "ELTEX_GRE IPv4 < ip address > ". "ELTEX_GRE IPv4 198.18.24.2 ". payload EoGRE keepalive 23 31 .