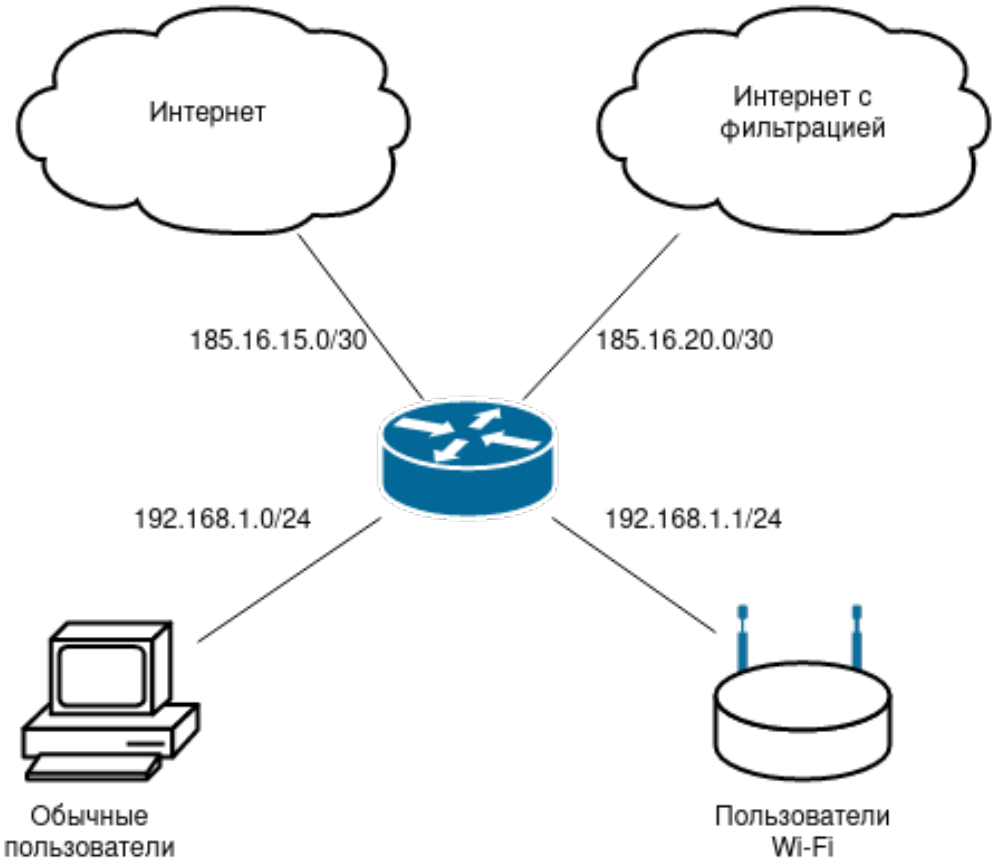
ESR UpLink'

: 2 2 . , . 192.168.1.0/24 "" , 192.168.2.0/24 .



VRF.

ESR VRF c kids:

```
esr-12v# config
esr-12v(config)# ip vrf kids
esr-12v(config-vrf)# exit
```

. untrusted, trusted:

```
esr-12v(config)# security zone trusted
esr-12v(config-zone)# exit
esr-12v(config)# security zone untrusted
esr-12v(config-zone)# exit
```

, VRF . vrf kids.

```
esr-12v(config)# security zone trust-kids
esr-12v(config-zone)# ip vrf forwarding kids
esr-12v(config-zone)# exit
esr-12v(config)# security zone untrust-kids
esr-12v(config-zone)# ip vrf forwarding kids
esr-12v(config-zone)# exit
```

:

```
esr-12v(config)# interface gigabitethernet 1/0/1
esr-12v(config-if-gi)# ip address 185.16.15.2/30
esr-12v(config-if-gi)# security-zone untrusted
esr-12v(config-if-gi)# exit
```

:

```
esr-12v(config)# ip route 0.0.0.0/0 185.16.15.1
```

. vrf kids:

```
esr-12v(config)# interface gigabitethernet 1/0/2
esr-12v(config-if-gi)# ip vrf forwarding kids
esr-12v(config-if-gi)# ip address 185.16.20.2/30
esr-12v(config-if-gi)# security-zone untrust-kids
esr-12v(config-if-gi)# exit
```

, vrf kids:

```
esr-12v(config)# ip route vrf kids 0.0.0.0/0 185.16.20.1
```

. vrf, uplink.

```
esr-12v(config)# interface gigabitethernet 1/0/3
esr-12v(config-if-gi)# ip address 192.168.1.1/24
esr-12v(config-if-gi)# security-zone trusted
esr-12v(config-if-gi)# exit
esr-12v(config)# interface gigabitethernet 1/0/4
esr-12v(config-if-gi)# ip vrf forwarding kids
esr-12v(config-if-gi)# ip address 192.168.2.1/24
esr-12v(config-if-gi)# security-zone trust-kids
esr-12v(config-if-gi)# exit
```

nat source:

```
esr-12v(config)# nat source

esr-12v(config-snat)# ruleset factory

esr-12v(config-snat-ruleset)# to zone untrusted

esr-12v(config-snat-ruleset)# rule 10

esr-12v(config-snat-rule)# action source-nat interface

esr-12v(config-snat-rule)# enable

esr-12v(config-snat-rule)# exit

esr-12v(config-snat-ruleset)# exit
```

ruleset vrf kids:

```
esr-12v(config-snat)# ruleset kids
esr-12v(config-snat-ruleset)# ip vrf forwarding kids
esr-12v(config-snat-ruleset)# to zone untrust-kids
esr-12v(config-snat-ruleset)# rule 10
esr-12v(config-snat-rule)# action source-nat interface
esr-12v(config-snat-rule)# enable
esr-12v(config-snat-rule)# exit
esr-12v(config-snat-ruleset)# exit
esr-12v(config-snat)# exit
```

:

```
esr-12v(config)# security zone-pair trusted untrusted
esr-12v(config-zone-pair)# rule 1
esr-12v(config-zone-pair-rule)# action permit
esr-12v(config-zone-pair-rule)# enable
esr-12v(config-zone-pair-rule)# exit
esr-12v(config-zone-pair)# exit
esr-12v(config)# security zone-pair trusted trusted
esr-12v(config-zone-pair)# rule 1
esr-12v(config-zone-pair-rule)# action permit
esr-12v(config-zone-pair-rule)# enable
esr-12v(config-zone-pair-rule)# exit
esr-12v(config-zone-pair)# exit
sr-12v(config)# security zone-pair trusted self
esr-12v(config-zone-pair)# rule 1
esr-12v(config-zone-pair-rule)# action permit
esr-12v(config-zone-pair-rule)# enable
esr-12v(config-zone-pair-rule)# exit
esr-12v(config-zone-pair)# exit
```

vrf kids:

```
esr-12v(config)# security zone-pair trust-kids untrust-kids
esr-12v(config-zone-pair)# rule 1
esr-12v(config-zone-pair-rule)# action permit
esr-12v(config-zone-pair-rule)# enable
esr-12v(config-zone-pair-rule)# exit
esr-12v(config-zone-pair)# exit
esr-12v(config)# security zone-pair trust-kids trust-kids
esr-12v(config-zone-pair)# rule 1
esr-12v(config-zone-pair-rule)# action permit
esr-12v(config-zone-pair-rule)# enable
esr-12v(config-zone-pair-rule)# exit
esr-12v(config-zone-pair)# exit
esr-12v(config)# security zone-pair trust-kids self
esr-12v(config-zone-pair)# rule 1
esr-12v(config-zone-pair-rule)# action permit
esr-12v(config-zone-pair-rule)# enable
esr-12v(config-zone-pair-rule)# exit
esr-12v(config-zone-pair)# exit
esr-12v(config)# exit
esr-12v# commit
esr-12v# confirm
```

:

```
esr-12v# show running-config
ip vrf kids
exit

security zone trusted
exit
security zone untrusted
exit
security zone trust-kids
  ip vrf forwarding kids
exit
security zone untrust-kids
  ip vrf forwarding kids
exit


interface gigabitethernet 1/0/1
  security-zone untrusted
  ip address 185.16.15.2/30
exit
interface gigabitethernet 1/0/2
  ip vrf forwarding kids
  security-zone untrust-kids
```

```
  ip address 185.16.20.2/30
exit
interface gigabitethernet 1/0/3
  security-zone trusted
  ip address 192.168.1.1/24
exit
interface gigabitethernet 1/0/4
  ip vrf forwarding kids
  security-zone trust-kids
  ip address 192.168.2.1/24
exit
security zone-pair trusted untrusted
  rule 1
    action permit
    enable
  exit
exit
security zone-pair trusted trusted
  rule 1
    action permit
    enable
  exit
exit
security zone-pair trust-kids untrust-kids
  rule 1
    action permit
    enable
  exit
exit
security zone-pair trust-kids trust-kids
  rule 1
    action permit
    enable
  exit
exit
security zone-pair trusted self
  rule 1
    action permit
    enable
  exit
exit
security zone-pair trust-kids self
  rule 1
    action permit
    enable
  exit
exit

nat source
  ruleset factory
    to zone untrusted
    rule 10
      description "replace 'source ip'by outgoing interface ip address"
      action source-nat interface
      enable
    exit
  exit
  ruleset kids
    ip vrf forwarding kids
    to zone untrust-kids
    rule 10
      action source-nat interface
      enable
    exit
  exit
exit

ip route 0.0.0.0/0 185.16.15.1
ip route vrf kids 0.0.0.0/0 185.16.20.1
```