

# ESR-Series. Release notes. 1.14.0

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## 1.14.0

:

- AAA:
  - TLS/SSL LDAP
- DPI:
  - : **bittorrent-networking, ms-netlogon, ms-rpc, ms-sms, rtp audio, secure-http, secure-smtp, vmware-vsphere**
- IDS/IPS:
  - HTTP FTP
- IPsec:
  - mode transport
- QoS:
  - URL
- Tracking
  - VRRP SLA .
  - VRRP, PBR, , , AS-PATH preference route-map.
- :
  - CLI:
    - ,
    - **ping** IPv4/IPv6/DNS ip/ipv6
    - 8
    - **verify storage-device**
    - **clear storage-device**
  - SSH:
    - host- . ssh host-
    - **rsa1**
    - **crypto key generate** **configure,** **update ssh-host-key** **root :**
  - :
    - Ingress Egress Netflow

## 1.13.0

:

- ESR-1511 ESR-3100

- Content-Filter HTTP-
- Anti-Spam HTTP-
- :
  - BGP:
    - BGP RIB ESR-10/12V/12VF/14VF 1M
    - BGP RIB ESR-20/21/100/200 2,5M
    - BGP RIB ESR-1000/1200/1500/1510 5M

## 1.12.0

- :
- IDS/IPS:
  - Eltex Distribution Manager — , Kaspersky SafeStream II
- IPsec:
  - debug IPsec
- MPLS:
  - VPLS Kompella Mode
  - L2VPN
- USB-Modem:
  - HILINK
- - IS-IS:
    - 3-way handshake
- :
  - CLI:
    - root
- :
  - AAA OpenVPN-
- :
  - HTTP proxy
    -

## 1.11.2

- :
- BRAS:
  - BRAS VRF L3
  - Option 82 DHCP
  - BRAS SNMP
- SNMP:
  - softgre
- :
  - CLI:
    - **merge,** c candidate-config
    - Bridge
    - object-groups c
    - 
    - route-maps
    - 
    - 
    - **clear vrrp-state,** VRRP 3\* Advertisement\_Interval+1. , backup,
  - SLA:
    - IP SLA ICMP-ECHO
- :
  - wireless-controller

## 1.11.1

- :
- IPsec:
  - Mobility and Multihoming Protocol (MOBIKE) IKEv2
  - IPsec
  - CRL Subject-name

## 1.11.0

:

- CLI:
  - TCP/UDP- firewall/NAT-
  - mDNS
- IPsec:
  - - XAUTH /
  - Subject XAUTH
- :
- Multiwan pppoe, l2tp, openvpn, pptp vti-
- - GRE
    - GRE- : USB-modem, pptp, l2tp, pppoe- e1, multilink-
    - GRE- IP- VRF
    - L2 wireless-controller
  - PPPoE
    - ":", "/", "\"
- USB- SD/MMC . FAT

## 1.10.0

:

- :
  - IS-IS
  - RIP NG
  - BGP
  - BGP:
    - BGP Graceful restart
    - BGP Weight
  - OSPF:
    - OSPF Graceful restart
- :
- :
  - CLI-
- :
  - L2TP PPTP-
  - OpenVPN-
- MPLS:
  - LDP
  - L2VPN VPWS
  - L2VPN VPLS Martini mode
  - L3VPN MP-BGP

## 1.8.7

:

- USB-Modem:
  - "no compression" TCP/IP
- :
  - SSH (CLI)

## 1.8.5

:

- Security:
  - demo- IDS/IPS
- SLA:
  - Wellink SLA ESR-10/12V/12VF
- USB-Modem:
  - '\_, '@, ', ' user cellular profile
- :
  - Zabbix-proxy

### 1.8.3

:

- IPsec:
  - IPsec DMVPN L2TPv3
- Multilink:
  - multilink
  - multilink
- OSPF:
  -

### 1.8.2

:

- ESR-20/21/1500/1510
- OpenVPN :
  - 64
- ACL:
  - ESR-1X: 255

### 1.8.1

:

- OpenVPN :
  - IP- OpenVPN-
  - OpenVPN-

### 1.8.0

:

- :
  - DMVPN
- BGP:
  - BGP RIB ESR-20/21/100/200 2M
  - BGP RIB ESR-1000/1200/1500/1510 3M
- SNMP:
  - LLDP-MIB

### 1.7.0

:

- :
  - IDS/IPS
  - HTTP proxy: redirect
- CLI:
  - ESR-1700: object-group network 1024
  - Prefix List, route-map 0.0.0.0/0
  - object-group url
  - MAC-
  - **ip http proxy redirect-port, ip http proxy redirect-port** BRAS HTTP(S) Proxy
- NAT:
  - ESR-1700: NAT pool 1024

### 1.6.6

:

- :
  - keepalive softgre .
  - ping-probe .
  - keepalive mode reactive wireless-controller

### 1.6.5

:

- CLI:
  - 
  - CLI
  - 
  - // CLI
- :
  - sub- softgre Bridge, VRF

## 1.6.4

- :
- BRAS:
  - **show subscriber-control sessions count** BRAS
  - **show subscriber-control services count** BRAS
- mDNS
  - mDNS-reflector
  - mDNS
  - **show ip mdns-reflector** mDNS
  - **clear ip mdns-reflector**
- :
  - CLI
    - dynamic/static tunnel softgre **show/clear mac address-table**
  - :
    - **clear tunnels softgre remote-address <ip>** softgre
    - **clear tunnels softgre** softgre

## 1.6.2

- :
- BRAS:
  - ESR-1X/2X
  - c IP nas-ip
- DHCP:
  - DHCP
  - DHCP 128
- QoS:
  - , ingress
  - ACL
  - DSCP
- VoIP:
  - PBX
- :
  - routerport/switchport/hybrid
  - E1 HDLC
  - Serial (RS-232):
  - Dial up, leased line
  -
- - BGP:
    - Flow Specification Rules
    - weight
    - route-map default route, le/ge/eq
    - remove-private-as all, nearest, replace
  - IP:
    - IP Unnumbered
    - ICMP unreachable/redirect
    - IPv6 Router Advertisement
  - MultiWAN:
    - NAT
- :
  - AAA:
    - IP TACACS/LDAP
    - RADIUS
    - TACACS 60
    -
  - CLI:
    - 
    - 
    - 
    - CPU
    - 
    - 
    -

- 
- 
- 
- **show ip firewall counters**
- HTTP (S)
- (running, candidate, factory)
- 
- commit update
- SNMP:
  - community trap
  - IP trap
  - linkDown/linkUp cisco-like
- SSH:
  - IP SSH
- Cisco SLA responder
- Eltex SLA
- SFTP
- 
- Firewall:
  - ICMP
- HTTP (S) Proxy:
  - : ActiveX, JS, Cookies
  - / /
  - URL RADIUS CoA
- NAT:
  - PPTP/PPPoE
- :
- IPsec:
  - IP , DHCP,
  - 
  - XAuth
  - PFS (perfect forward secrecy) DH

#### 1.4.4

- :
- PPPoE :
  - PAP, MS-CHAP, MS-CHAPv2, EAP

#### 1.4.2

- :
- :
- **show ip firewall screens counters,**
- XMAS TCP all flags
- SNMP:
  - **snmp-server contact snmp-server location. OID**
  - SNMP View: community user OID
- NTP:
  - **show ntp peers:**
- Firewall:
  - **ip firewall sessions tracking sip port,** TCP/UDP SIP session tracking
- Firewall:
  - **ip firewall sessions tracking sip port,** TCP/UDP SIP session tracking
- :
- L2TP IPsec
- IP SLA (Wellink):
  - 
  - 
  - 
  - : , CLI, SYSLOG SNMP

#### 1.4.1

- :
- :
- GRE:
  - keepalive Ethernet over GRE
  - SoftGRE 8 (ESR-1200/ESR-1700)
  - MTU SUB-GRE
- IPsec:
  - **encryption algorithm null config-ipsec-proposal,** ESP-
  - policy-based IPsec VRF

- BRAS:
  - **session ip-authentication config-subscriber-control.** IP-
  - **show subscriber-control radius-servers** RADIUS-
- SNMP:
  - **commitConfirmAndReload** SetRequest
  - RMON,
  - VoIP- SNMP
  - DoS-
  - SNMP traps :
    - GRE/SUB-GRE
    - bridge-group
    - BRAS-
- AAA:
  - **source-address config-tacacs-server config-ldap-server**
- MultiWAN:
  - **wan load-balance config-cellular-modem,** Multiwan USB-
- L3-:
  - BFD
  - BGP:
    - **default-information originate config-bgp-af, default-originate config-bgp-neighbor,**
- CLI:
  - Ctrl-P Ctrl-N
  - **show tracking objects**
- LLDP:
  - MED DSCP, VLAN, PRIORITY . Voice VLAN
- Firewall:
  - **ip firewall logging screen config,** DoS-
- QoS:
  - GRED (Generic RED) IP DSCP IP Precedence
- VRRP:
  - VRF
  - VRRP track-ip
- Zabbix:
  - Zabbix-
- :

## 1.4.0

:

- :
  - PPTP-
  - PPPoE-
  - Ethernet over GRE
  - Ethernet over GRE
  - MTU 10000
  - IPsec:
    - XAuth IPsec-
  - OpenVPN
    -
- BRAS:
  - USER IP - PROXY IP NetFlow
- L2 :
- L3 :
  - IPv6
  - BGP:
    - local preference
    - **show ip bgp neighbors**
    - VRRP tracking: MED AS-path VRRP
- CLI:
  - **terminal resize**
  - APN **config-cellular-profile.** "@", ".", "-"
  - :
    - MAC- /
    - expect- Firewall
    - show ip interfaces
- DHCP:
  - IP- DHCP-
  - IP-, , HEX-
- NAT:
  - Static NAT
- NTP:
  - **ntp enable vrf <NAME> . ntp enable**

- **ntp logging**, NTP-
- **ntp source address** <IP>, IP- NTP peers
- SNMP:
  - **snmp-server vrf** <NAME> . **snmp-server** SNMPv3
  - :
    - , ,
    - (commit, confirm, restore, rollback ..)
    - 
    - ( esr **snmp-server system-shutdown**)
    - VRRP
  - :
  - 
  - ARP-
- SYSLOG:
  - /
- VRRP:
  - **vrrp force-up**. VRRP IP- «Up»

## 1.3.0

- :
- :
  - DoS :
    - ICMP flood
    - Land
    - Limit-session-destination
    - Limit-session-source
    - Syn flood
    - UDP flood
    - Winnuke
  - :
    - Fin-no-ack
    - ICMP type
    - IP sweep
    - Port scan
    - Spoofing
    - Syn-fin
    - TCP-no-flag
  - - ICMP fragment
    - IP fragment
    - Large ICMP
    - Syn fragment
    - UDP fragment
    - Unknown protocols
- DNS-. DNS-
- LLDP
- 3G/4G USB-
- AAA:
  - 
  - 
  - ,
  - 
  - 
  - , / root RS-232 (console)
  - 
  -
- BGP:
- BRAS:
  - Framed-IP-Address, IP- Access-Request RADIUS
  - Proxy
- CLI:
  - SFTP / ,
  - USB-, SD/MMC ,
  - 
  - 
  - ,
- DHCP:
  - DHCP client. IP-
  - DHCP- VRF
  - 150 (tftp-server ip) 61 (client-identifier HH:<MAC>) DHCP-
- Firewall:
  - ALG-
  - , ( , )
- IPSEC:



- any local address IKE gateway
- L2 :
  - BPDU ESR-100/200
  - ESR-100/200
- MultiWAN:
  - (LOSS, jitter, RTT)
  - VRF
  - LT-
- NTP:
  - 
  -
- SNMP:
  - SNMPv1
  - 
  - snmp-server community
- SSH
  - SSH
  - SSH
  - SSH
  - SSH
  - 
  - RSA-
- VLAN
  - VLAN (ESR-1000/ESR-1200)
  - MAC based VLAN
  - VLAN
- VRRP
  - VRRP IP IP- GRE, IP4IP4, L2TPv3 RADIUS-
  - VRRP IP- L2TP/PPTP
  - VRRPv3
  - IP-

## 1.2.0

:

- :
  - GRE Keepalive
- L3 :
  - BGP:
    - 
    - /
    - BGP 1000
    -
  - Multiwan:
    -
  - VRRP:
    - VRRP IP
  - Port-Channel (ESR-100/200)
- IPsec:
  - Policy-based IPsec
  - (margin seconds/packets/bytes, randomization)
  - IPsec /
  - , , SA
- SNMP:
  - ifSpeed IF-MIB
  - SNMP Trap:
    - Trap o CPU, , RAM FLASH
- CLI:
  - 
  - , IP- MAC- ARP/ND
  - log
  - log c **copy**
  - critlog **show syslog**
  - log . **show syslog from-end**
  - . **system config-confirm timeout**
  - :
  - Cisco-like :

v1.2.0: system:..

esr# copy system:running-config

v1.1.0: fs://.../

esr# copy fs://running-config

- AAA:
  -
- NTP:

- 
- Firewall:
  - 512
  - , - . **ip firewall sessions allow-unknown**
- QoS:
  - Basic QoS
- BRAS:
  - SSID
  - MAC-
  - / VRRP

## 1.1.0

:

- BRAS:
  - 
  - RADIUS CoA, AAA
  - / URL
  - 
  - HTTP Proxy
  - HTTP Redirect
  - HTTPS Proxy
  - HTTPS Redirect
  - URL PCRF
  - Netflow
  - MAC-
- Netflow:
  - Netflow v10. URL
  - VRF
  - Domain Observation ID
  - NAT-
  - HTTPS Host
  - L2/L3 location
  - active-timeout
  - IP- Netflow-
  - Firewall
- VRRP:
  - VRRP-
- CLI:
  - 
  - Firewall NAT
  - /
  -
- SYSLOG:
  - IP- SYSLOG
- L2 :
  - Q-in-Q
- L3 :
  - VRF:
    - Virtual Ethernet Tunnel ( VRF)
  - BGP:
    - IP- (update-source)
    - BFD
- DHCP Relay:
  - Option 82
  - VRF
  - point-to-point (GRE, IP-IP ..)
- :
  - SNMP:
    - MAU-MIB
- QoS:
  - QoS policy-map 1024 class-map 1024
- Wi-Fi Controller:
  - ( SSID ) DATA- RADIUS-

## 1.0.8

:

- 
- AAA:
  - source IP RADIUS-
  - SSH-
  - SSH
- L3 :

- MultiWAN: per-flow
- BGP blackhole/unreachable/prohibit Nexthop
- VRF-lite:
  - NTP
  - GRE-
- CLI:
  - **show interfaces status**
  - \*\*\*
  - **no nat { source | destination } NAT**
- VRRP:
  - 3
  - GARP Master
  - 8 Virtual IP
- Firewall Wi-Fi Controller'
- Multiwan:
  -
- ESR-100/ESR-200:
  - 100BASE-X -
- ESR-1000:
  - : unknown-unicast
- :
  - SNMP:
    - SNMP Trap:
      - Trap CPU
    - SNMP MIB:
      - IP-MIB
      - TUNNEL-MIB
      - ELTEX-TUNNEL-MIB
      - RL-PHYS-DESCRIPTION-MIB
      - CISCO-MEMORY-POOL-MIB
      - CISCO-PROCESS-MIB

## 1.0.7

- :
- L3 :
  - VLAN (Internal Usage VLAN)
  - MultiWAN:
  - DirectConnect-
  - TCP MSS
  - (FIB)
  - (RIB)
  - Prefix List
  - BGP
  - BGP ECMP
  - keepalive
  - Policy-based routing (IPv4 only)
  - OSPF BGP
  - route-map OSPF, RIP
  - VRF-lite:
    - BGP
    - OSPF
    - QoS
    - (AAA, Telnet, SSH, SNMP, Syslog, **copy**)
  - IPv6:
    - BGP
    - Nexthop route-map
    - RADIUS/TACACS/LDAP
    - MultiWAN
- :
  - RADIUS PPTP/L2TP
  - OpenVPN
  - Ethernet-over-GRE (Wi-Fi )
  - IPsec:
    - DES
    -
- ARP/ND:
  -
- DHCP Server:
  - netbios-name-server DHCP
- CLI:
  - 
  - ACL

- untagged/tagged VLAN switchport general allowed vlan remove
- VRRP:
  - preempt delay
  - Virtual IP
- Multiwan:
  - target list
- ESR-100/ESR-200:
  - Policy-based QoS
  - ACL
- ESR-1000:
  - SFP- 10G
  - : -
- :
  - IP SLA (Wellink)
- SYSLOG: timezone
- :
  - SNMP:
    - SNMP Trap
    - SNMP MIB:
      - ENTITY-MIB
      - IANA-ENTITY-MIB

## 1.0.6

- :
  - :
    - Netflow v5/v9/v10(IPFIX)
    - sFlow
- MAC-:
  - MAC-
  - MAC-
- Syslog:
  - 
  -
- CLI:
  - | include/exclude/begin/count
  - 
  - syslog
  - , TFTP/SSH/FTP copy
  - ARP/IPv6 Self- show arp show ipv6 neighbors
  - :
    - ip path-mtu-discovery
    - DHCP: ip address dhcp enable ip address dhcp

```
v.1.0.6:(config)# interface gigabitethernet 1/0/1
(config-if-gi)# ip address dhcp
v.1.0.5:(config)# interface gi 1/0/15
(config-if)# ip address dhcp enable
```

- DHCP: ip address dhcp server <IP> ip dhcp server address <IP>

```
v.1.0.6: (config)# interface gigabitethernet 1/0/1
(config-if)# ip dhcp server address 10.10.0.1
v.1.0.5: (config)# interface gigabitethernet 1/0/1
(config-if)# ip address dhcp server 10.10.0.1
```

- DHCP: ip address dhcp {<Ignore, lease-time, reboot, set reboot time, retry, select-timeout, timeout, vendor-class-id>} ip dhcp client {<Ignore, lease-time, reboot, set reboot time, retry, select-timeout, timeout, vendor-class-id>}

```
v.1.0.6: (config)# interface gigabitethernet 1/0/1
(config-if)# ip dhcp client timeout 60
v.1.0.5: (config)# interface gigabitethernet 1/0/1
(config-if)# ip address dhcp timeout 60
```

- Firewall: show security zone-pair counters show ip firewall counters

```
v.1.0.6: # show ip firewall counters
v.1.0.5: # show security zone-pair counters
```

- Firewall: clear security zone-pair clear ip firewall counters

```
v.1.0.6: # clear ip firewall counters
v.1.0.5: # clear security zone-pair
```

- sNAT: **service nat source nat source**

v.1.0.6: (config)# nat source

v.1.0.5: (config)# service nat source

- dNAT: **service nat destination nat destination**

v.1.0.6: (config)# nat destination

v.1.0.5: (config)# service nat destination

- NTP: **service ntp {< broadcast-client, dscp, enable, peer, server>} ntp {< broadcast-client, dscp, enable, peer, server>}**

v.1.0.6: (config)# ntp peer 10.10.10.10

v.1.0.5: (config)# service ntp peer 10.10.10.10

- MULTIWAN: **target <IP> ip address <IP>**

v.1.0.6: (config)# wan load-balance target-list eltex

(config-wan-target-list)# target 3

(config-wan-target)# ip address 10.10.0.1

v.1.0.5: (config)# wan load-balance target-list eltex

(config-wan-target-list)# target 3

(config-wan-target)# target 10.10.0.1

- IPsec: **ipsec authentication method psk ipsec authentication method pre-shared-key**

v.1.0.6: (config)# remote-access l2tp elt

(config)# ipsec authentication method pre-shared-key

v.1.0.5: (config)# remote-access l2tp elt

(config)# ipsec authentication method psk

- QoS:
- 
- Firewall:
- 
- SSH:
- RSA, DSA, ECDSA, Ed25519
- NAT:
- NAT Firewall
- bridge
- MultiWAN:
- SUB-
- SNMP:
- ifXTable
- SNMP IPv6
- /
- MAC-
- L3 :
- BGP:
- 
- 
- ExtCommunity
- AS
- default-
- 

## 1.0.5

:

- CLI:
- 'all'
- :
- Jumbo Frame (MTU 10000 )
- /32 Loopback-
- Firewall:
- /
- Firewall
- QoS:
- /
- DSCP
- QoS (HQoS)
- (shaping), 1/
- (shaping per queue)
- RED, GRED
- SFQ
- Policy-based QoS
- :
- (ACL)
- IP- DHCP- MAC-

- MAC- Firewall
- DHCP- Relay-
- Telnet, SSH-
- E1:
- CHAP
- PPP
- MLPPP (Multilink PPP)
- AAA:
- , RADIUS, TACACS+, LDAP
- TACACS+
- : SYSLOG, RADIUS, TACACS+
- 
- L3 :
- BGP:
  - (local preference, AS-path, community, nexthop, origin, metric, subnet)
  - Route-Reflector
  - 
  - 32-
  - 
  -
- RIP:
  - 
  -
- OSPF:
  - 
  - eligible NBMA-
  - (- eq, le, ge)
  - blackhole/prohibit/unreachable
- VRF Lite:
  - VRF:
    - IPv4/IPv6-
    - 
    - NAT
    - Firewall
- :
- / (flow)
- 
- Syslog
- :
  - Firewall
  - DHCP-
  - SoftGRE Wi-Fi
- IPv6 :
  - 
  - 
  - Firewall
  - OSPFv3
  - Prefix-List
  - NTP
  - Syslog
  - ping, traceroute
  - Telnet client/server
  - SSH client/server
  - DHCP Server/Relay/Client
- SNMP:
  - SNMP v3
  - SNMP MIB () QoS

## 1.0.4

:

- CLI:
  - FTP, SCP
  - 
  - u-boot
  - :
  - NAT: **proxy-arp interface ip nat proxy-arp**

v.1.0.4: (config)# service nat source

(config-snat)# proxy-arp interface gigabitethernet 1/0/15 SPOOL

v.1.0.3: (config)# interface gigabitethernet 1/0/15

(config-if)# **ip nat proxy-arp** SPOOL

- IKE: **policy ike-policy**

v.1.0.4: (config)# security ike gateway gw1  
 (config-ike-gw)# policy ik\_pol1  
 v.1.0.3: (config)# security ike gateway gw1  
 (config-ike-gw)# **ike-policy** ik\_pol1

- IPSec: **vpn-enable enable**

v.1.0.4: (config)# security ipsec vpn vpn1  
 (config-ipsec-vpn)# vpn-enable  
 v.1.0.3: (config)# security ipsec vpn vpn1  
 (config-ipsec-vpn)# enable

- VTI: **interface vti tunnel vti**

v.1.0.4: (config)# tunnel vti 1  
 v.1.0.3: (config)# interface vti 1

- DHCP: **service dhcp-server ip dhcp-server**

v.1.0.4: (config)# ip dhcp-server  
 v.1.0.3: (config)# **service** dhcp-server

- SNMP:
  - SNMP
  - SNMP MIB ()
- :
  - Authentication key-chain
  - OSPF:
    - NSSA
    - Stub Area
    - MD5
    - MTU Ignore
  - RIP:
    - MD5
  - BGP:
    - EBGp Multihop
    - next-hop-self
  - :
  - preference
- :
  - VRRP
  - DualHoming
  - WAN (Wide Area Network)
  - WAN-
- DHCP:
  - DHCP relay
- QOS:
  - 
  - L3- (DSCP)
  - 8-
  - SP, WRR
  -
- :
- NAT/Firewall:
  - 
  - 
  - (H.323, GRE, FTP, SIP, SNMP)
  - 
  - :
- :

## 1.0.3

:

- :
  - VLAN
  - LAG (static LACP)
  - STP/RSTP/MSTP
  - 
  - Bridge-
- :
  - OSFP
  - BGP

- RIP
- NAT:
  - Proxy ARP
  - Source NAT
- :
  - L2TPv3
  - IPv4-over-IPv4
  - GRE
- Syslog:
  - (SSH Telnet)
  - RFC5424
- CLI:
  - CLI
  - ARP-
  - hardware
  - ARP-
- :
  - "Flash"
- :
  - SHA-2 IKE IPsec

## 1.0.2

- :
  - () TFTP-()
  - Hostname
  - ()
  - DNAT
  - DHCP-
  - IPsec,
  - object-group service/network
- :
  - C
- :
  - PPTP
  - L2TP/IPsec
- NTP:
- 10G
- :
  - Ping

## 1.0.1

- :
  - Source NAT
  - Destination NAT
  - Static NAT
- , VPN:
  - IKE
  - (IPsec)
  - (3DES, AES)
  - MD5, SHA1, SHA256, SHA384, SHA512
- :
  - DHCP Server
  - DHCP Client
  - DNS
- L3 :
  - C
- :
  - Firewall



- :
  - :
  - CLI
  - Telnet, SSH
  - ( )
  - 
  - 
  - (u-boot)
- :
  - Syslog

:

<u>Firewall ( )</u>	<u>5.9 /</u>
<u>NAT ( )</u>	<u>5.9 /</u>
<u>IPsec VPN ( )</u>	<u>3.7 / (AES128bit / SHA1)</u>
<u>VPN-</u>	<u>100</u>
—	<u>100</u>
—	<u>512 000</u>

:

- (500M/ IPsec )
- CPU
- policy-based VPN
- u-boot
- switch
- bridging
- VLAN (bridging)
- SNMP, Webs
- timezone
- NTP