



NETASQ Firewall Manager

Remote configuration and administration of NETASQ UTM appliances ⁽¹⁾

Firewall Manager is a tool in the **NETASQ Administration Suite** that enables **configuring and updating** NETASQ UTM appliances. Monitoring, logging and reporting functions are taken care of by the other tools in the suite. Firewall Manager's **intuitive and easy-to-use** graphical interface enables **quick adaptation** to all the aspects of configuring UTM appliances, thereby ensuring that NETASQ technologies can be **quickly applied, implemented and maintained**.

Highlights

- Remote administration
- Proprietary communication protocol (AES+SRP)
- Free administration software
- Configuration wizards
- Bilingual administration software (French and English)
- Common Criteria-certified

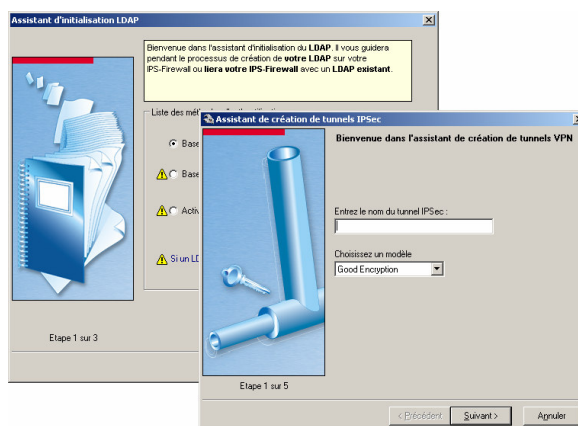


Proprietary communication protocol (AES+SRP) : In order to secure the remote administration of its UTM appliances, NETASQ has developed a standard-based proprietary communication protocol. Communications between UTM appliances and administration tools are based on SRP (Secure Remote Password) exchanges, which is a challenge-response protocol. These communications consist of the user proving his identity to a peer without transmitting any shared secret over the network in any form whatsoever (eg, passwords). Once peer identities have been established, all communications will be encrypted in AES (128-bit encryption key), which is currently the most powerful symmetrical encryption algorithm in terms of robustness and encryption speed).

Remote administration: The proprietary communication protocol that NETASQ uses for exchanges between its UTM appliances and their administration station provides an excellent guarantee of integrity and confidentiality, which makes remote administration of UTM appliances possible (not only connected directly to the UTM appliance) through an insecure network (local network and in particular, over the internet).



Configuration wizards: Each feature found on UTM appliances has a configuration menu that opens up a configuration wizard leading the administrator step by step through the installation of these features. This simplifies the configuration and maintenance of these modules while enabling better understanding and minimizing errors, resulting in a more relevant and efficient configuration of security functions.



Included administration software: NETASQ Firewall Manager, like all of NETASQ's other administration software programs (Firewall Manager, Firewall Monitor, Firewall Reporter) is provided with UTM appliances at no additional charge.

Bilingual administration software: NETASQ Firewall Manager exists in English and in French.

Common Criteria Certification: In conforming with its Common Criteria certification, NETASQ has taken steps to include the configuration software for its products in its security target (elements in the UTM appliances evaluated for Common Criteria certification). This means that when V5.1 Firewall Manager is used for the remote configuration of an UTM appliance, the hypotheses indicated at the beginning of the certification are met, and the certification is coherent.

NETASQ UTM appliances have been built around a unique **real-time intrusion prevention** technology: **ASQ (Active Security Qualification)**. ASQ provides **context-based** intrusion prevention by analyzing traffic from network up to application layer, while applying **multiple methods** to identify and block malicious traffic. ASQ uses **classes** of attacks guaranteeing superior accuracy to protect against zero-day threats at wire speeds of up to 2 Gbps. This unique concept, linked to hardware specifically designed to provide next-generation intrusion prevention, allows NETASQ UTM appliances to provide real-time application layer intrusion prevention **without degrading system performance**.

(1)Description of features in version 6.x of Firewall Manager.



Configuration

- Objects (users, hosts, networks, ranges, groups)
- Network (default gateway and static routes, interfaces, dialup, vlan)
- ASQ (alarms, protocol analyses, probes, plugins)
- Logs (log types, reserved disk space)
- Active Update (frequency, number of attempts)
- Calendars (programming authentication)
- Slot programmer
- Certificates (Management of internal and external PKI certificates)

Policy

- Filters (definition of the filter policy, object editor)
- NAT (definition of the NAT policy, object editor)
- Implicit rules (implicit activation of services)

PKI

- Configuration (configuration wizard)
- Requests (automatic certificate request management)

Authentication

- Configuration (SSL, Radius, Kerberos, SPNEGO, NTLM)
- User database (internal or external LDAP or Active Directory)
- Requests (automatic management of requests to create users)

VPN

- Pre-shared keys
- IPsec Tunnel (configuration wizard)
- PPTP
- VPN SSL (HTTP mode, Full access mode)

Proxy

- SMTP Proxy (activation required to detect spam and viruses)
- POP3 Proxy (activation required to detect spam and viruses)
- HTTP Proxy

Content analysis

- Antispam (Realtime Blackhole List)
- Antivirus (updates, analyzed files)
- URL Filtering (URL groups, filter rules)

Services

- DHCP
- DNS
- NTP
- SNMP
- File sharing (ezadmin)

Minimum hardware specifications needed for installing NETASQ Firewall Manager

The requirements indicated below apply to a full installation of the standard NETASQ Administration Suite.

- ▶ PC Pentium III,
- ▶ 256 MB of RAM,
- ▶ 100 MB hard disk space,
- ▶ 10 or 100 Mbps Ethernet network adapter,
- ▶ Windows Internet Explorer 5,
- ▶ Windows 2000 (SP3), XP (SP1).

Compatibility with UTM appliances

Unless otherwise stated, a major version of Firewall Manager is compatible only with UTM appliances in a corresponding major version. However, minor versions are compatible with each other. Therefore Firewall Manager in V5.0.x is compatible with all 5.0.x versions of the NETASQ UTM appliance firmware (compatibility between minor versions).

With version V5.0.9 of Firewall Manager, NETASQ UTM appliances in version 5.0.7, version 5.0.9 and even version 5.0.11 can be managed.

However, an older version of Firewall Manager cannot manage newer features from more recent firmware and vice-versa.

(1)Description of features in version 6.x of Firewall Manager.