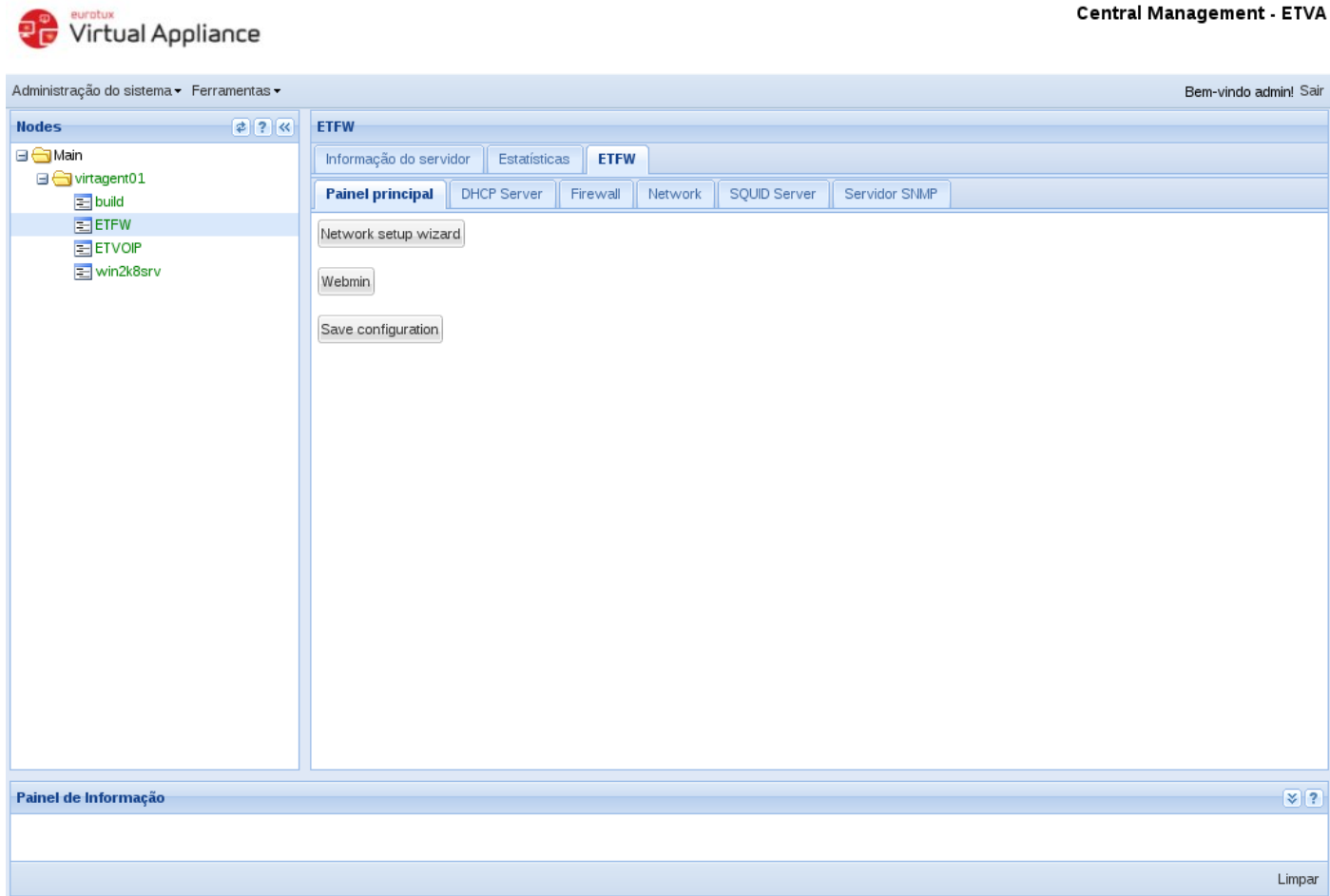
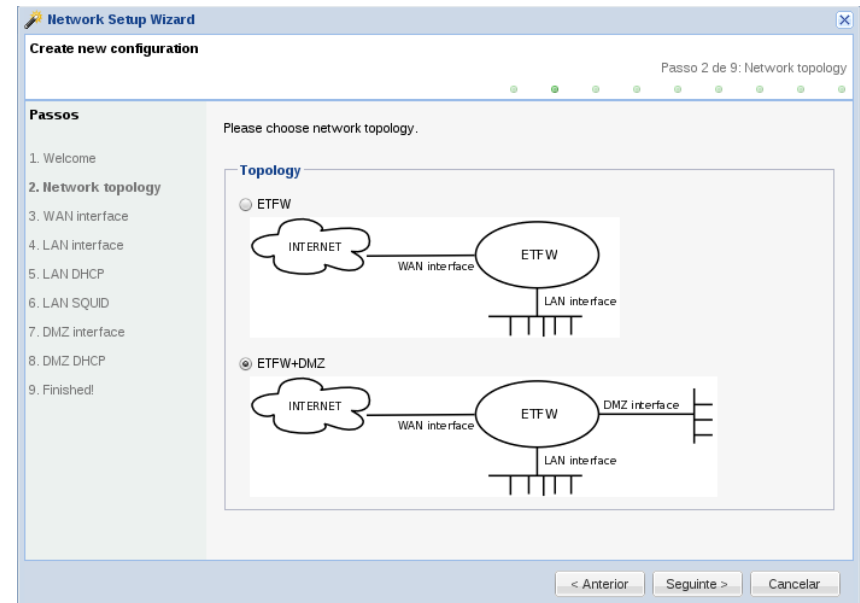
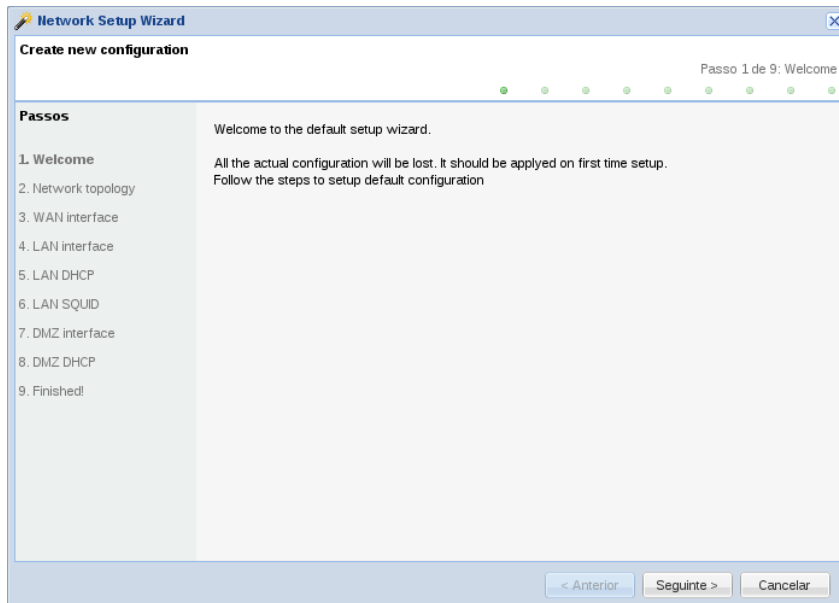


Management Agents ETFW

Painel Principal



Network setup Wizard



Network setup Wizard

Network Setup Wizard

Create new configuration

Passo 3 de 9: WAN interface

Passos

1. Welcome
2. Network topology
3. WAN interface
4. LAN interface
5. LAN DHCP
6. LAN SQUID
7. DMZ interface
8. DMZ DHCP
9. Finished!

Specify the external (WAN) interface address.

Interface:

Address source

☒ From DHCP

☐ Static config

IP Address:

Netmask:

Broadcast:

Gateway:

< Anterior Seguinte > Cancelar

Network Setup Wizard

Create new configuration

Passo 4 de 9: LAN interface

Passos

1. Welcome
2. Network topology
3. WAN interface
4. LAN interface
5. LAN DHCP
6. LAN SQUID
7. DMZ interface
8. DMZ DHCP
9. Finished!

Specify the LAN interface address.

Interface:

Address source

☒ Static config

IP Address:

Netmask:

Broadcast:

Configure LAN interface DHCP now? ☐ Yes ☒ No

Configure LAN interface SQUID now? ☒ Yes ☐ No

< Anterior Seguinte > Cancelar

Network setup Wizard

Network Setup Wizard

Create new configuration

Passo 5 de 9: LAN DHCP

Passos

1. Welcome
2. Network topology
3. WAN interface
4. LAN interface
5. LAN DHCP
6. LAN SQUID
7. DMZ interface
8. DMZ DHCP
9. Finished!

Configure DHCP on LAN interface.

LAN IP address: 10.10.1.254 LAN network: 10.10.1.0
LAN netmask: 255.255.255.0 LAN first host address: 10.10.1.1
LAN broadcast: 10.10.1.255 LAN last host address: 10.10.1.254

Address ranges:

	From address	To address	Dynamic BOOTP?
1	10.10.1.1	10.10.1.253	<input type="checkbox"/>

You have 1 address range(s) inserted

< Anterior Seguinte > Cancelar

Network Setup Wizard

Create new configuration

Passo 6 de 9: LAN SQUID

Passos

1. Welcome
2. Network topology
3. WAN interface
4. LAN interface
5. LAN DHCP
6. LAN SQUID
7. DMZ interface
8. DMZ DHCP
9. Finished!

Configure SQUID on LAN.

SQUID proxy

☒ Transparent Proxy

☐ Proxy with AD (Active Directory)

Server IP:
Realm name:
Workgroup name:
Host name:
Username:
Password:

☐ Proxy with LDAP

IP Address:
Base DN:

< Anterior Seguinte > Cancelar

Network setup Wizard

Network Setup Wizard [X]

Create new configuration

Passo 7 de 9: DMZ interface

Passos

1. Welcome
2. Network topology
3. WAN interface
4. LAN interface
5. LAN DHCP
6. LAN SQUID
7. DMZ interface
8. DMZ DHCP
9. Finished!

Specify the DMZ interface address.

Interface:

Address source

<input checked="" type="radio"/> Static config	IP Address: <input type="text" value="10.10.2.254"/>
	Netmask: <input type="text" value="255.255.255.0"/>
	Broadcast: <input type="text" value="10.10.2.255"/>

Configure DMZ interface DHCP now? ☒ Yes ☐ No

< Anterior Seguinte > Cancelar

Network Setup Wizard [X]

Create new configuration

Passo 8 de 9: DMZ DHCP

Passos

1. Welcome
2. Network topology
3. WAN interface
4. LAN interface
5. LAN DHCP
6. LAN SQUID
7. DMZ interface
8. DMZ DHCP
9. Finished!

Configure DHCP on DMZ interface.

DMZ IP address: 10.10.2.254	DMZ network: 10.10.2.0
DMZ netmask: 255.255.255.0	DMZ first host address: 10.10.2.1
DMZ broadcast: 10.10.2.255	DMZ last host address: 10.10.2.254

Address ranges:

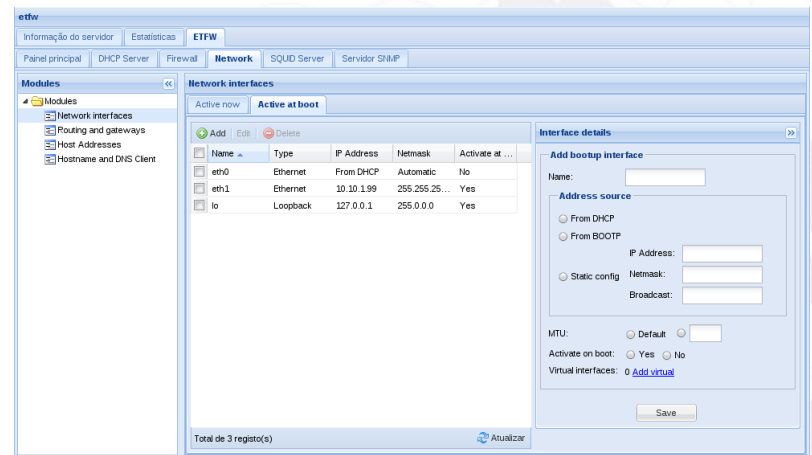
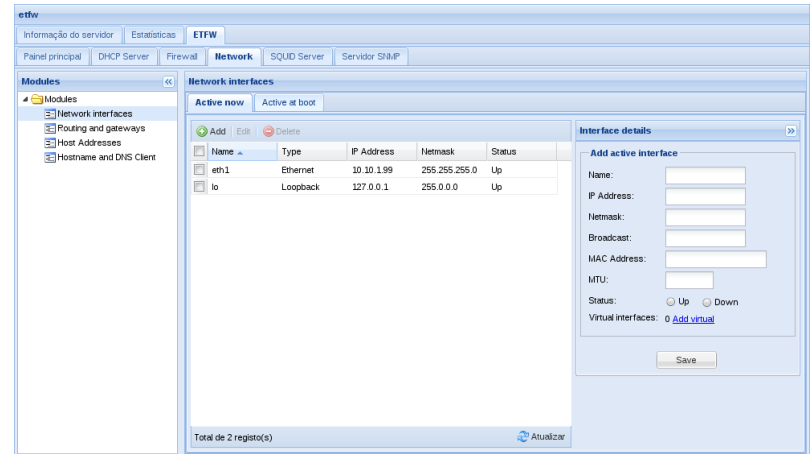
	From address	To address	Dynamic BOOTP?
1	10.10.2.1	10.10.2.253	<input type="checkbox"/>

You have 1 address range(s) inserted

< Anterior Seguinte > Cancelar

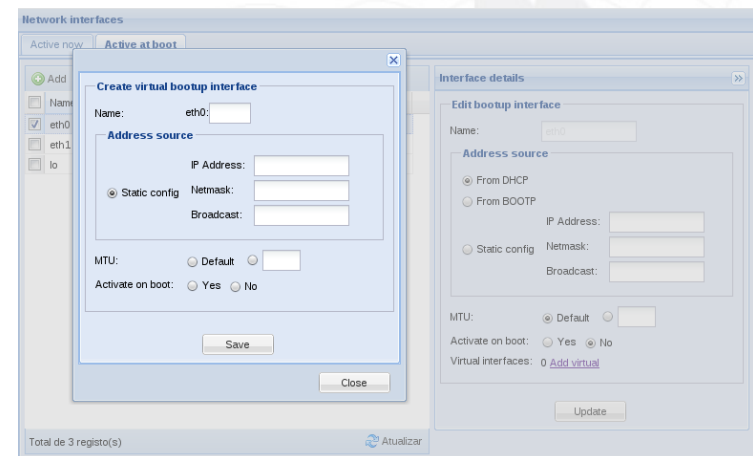
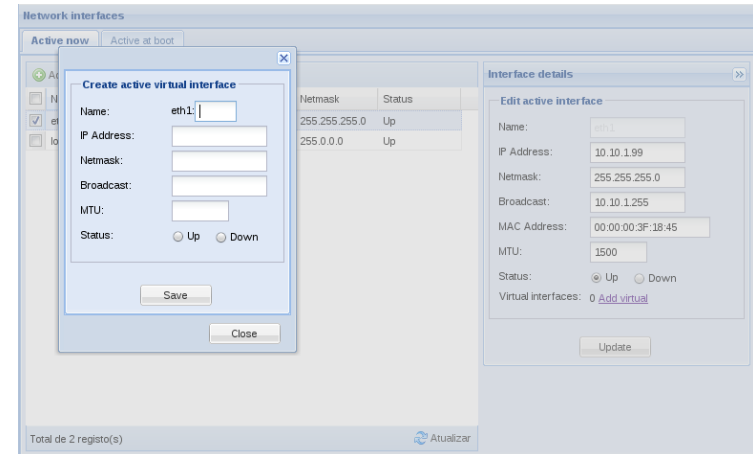
Edição de redes – Networking

- Interfaces de Rede
 - Interfaces ativas
 - Interfaces ativas no arranque
 - Alias interface
 - Alias interface no arranque
- Routing and gateways
- Host Addresses
- Hostname and DNS Client



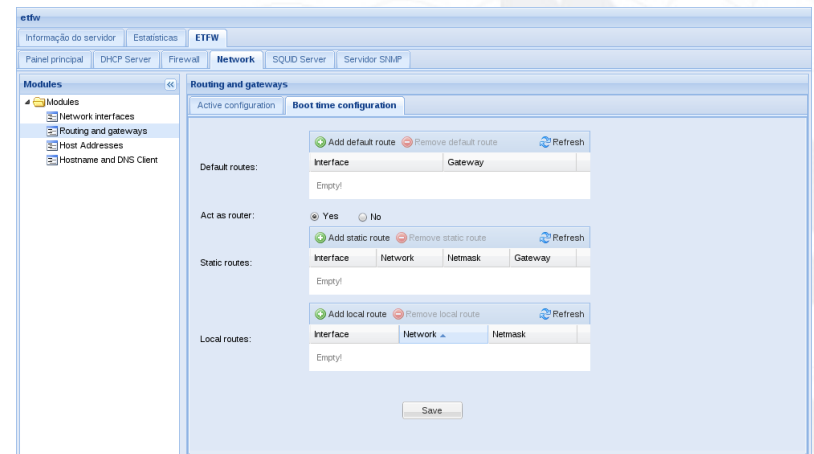
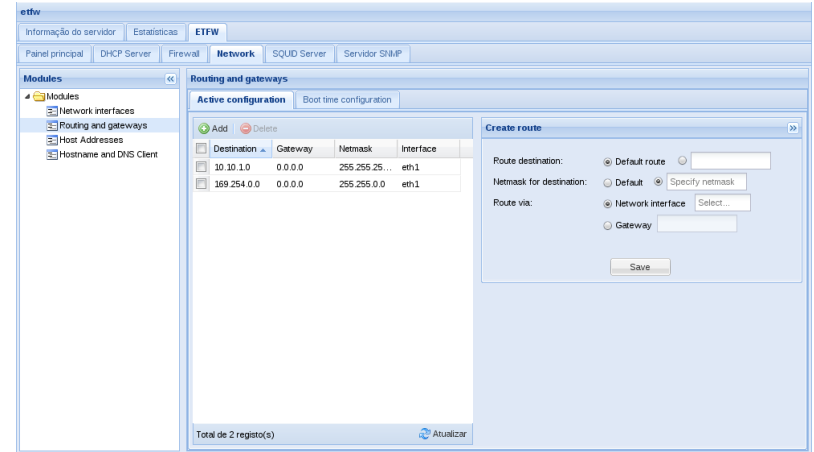
Edição de redes – Networking

- Interfaces de Rede
 - Interfaces ativas
 - Interfaces ativas no arranque
 - Alias interface
 - Alias interface no arranque
- Routing and gateways
- Host Addresses
- Hostname and DNS Client



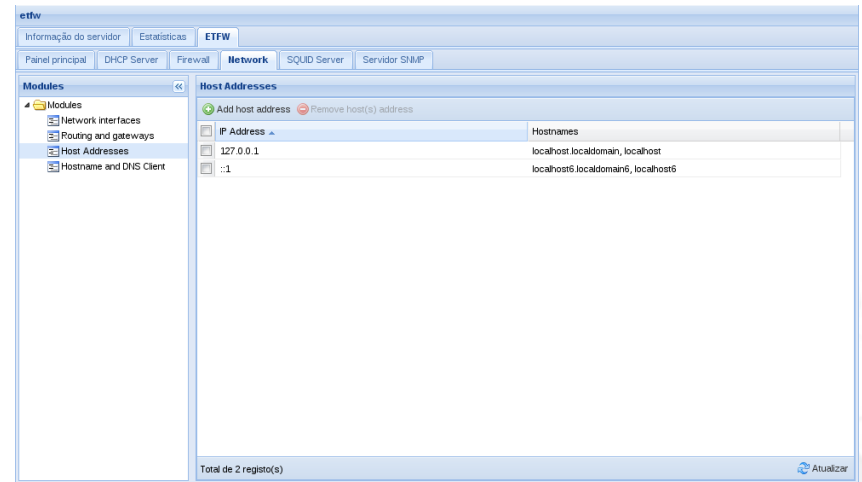
Edição de redes – Networking

- Interfaces de Rede
- Routing and gateways
 - Regras ativas
 - Regras definidas no arranque
- Host Addresses
- Hostname and DNS Client



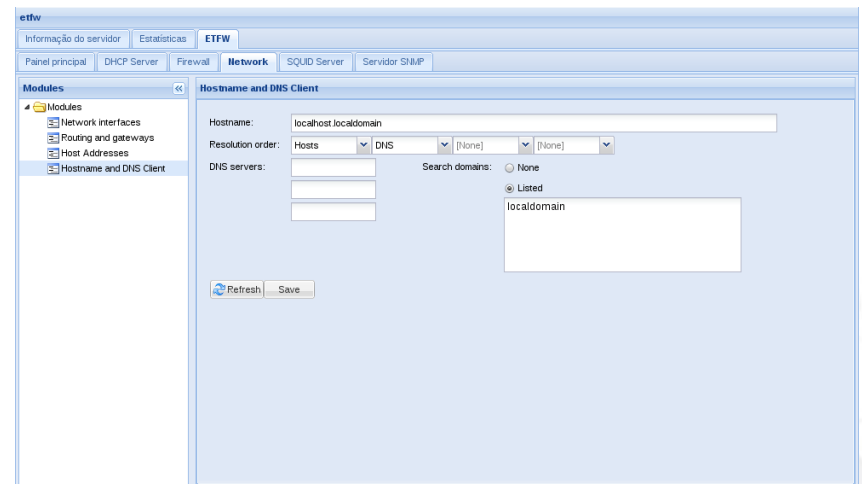
Edição de redes – Networking

- Interfaces de Rede
- Routing and gateways
- Host Addresses
- Hostname and DNS Client



Edição de redes – Networking

- Interfaces de Rede
- Routing and gateways
- Host Addresses
- Hostname and DNS Client



Regras Firewall

etfw

Informação do servidor | Estatísticas | **ETFW**

Painel principal | DHCP Server | **Firewall** | Network | SQUID Server | Servidor SNMP

Packet alteration (mangle) | Network address translation (nat) | **Packet filtering (filter)**

Add new chain

Chain logreject

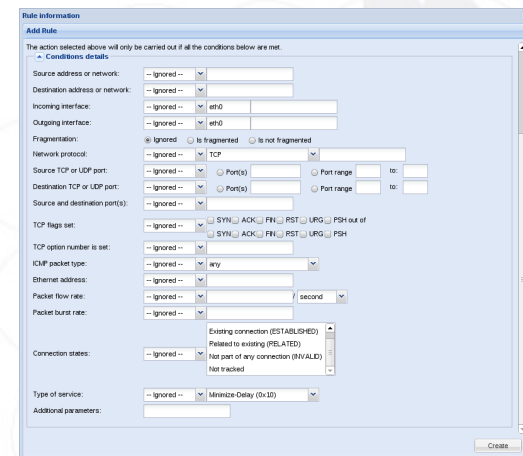
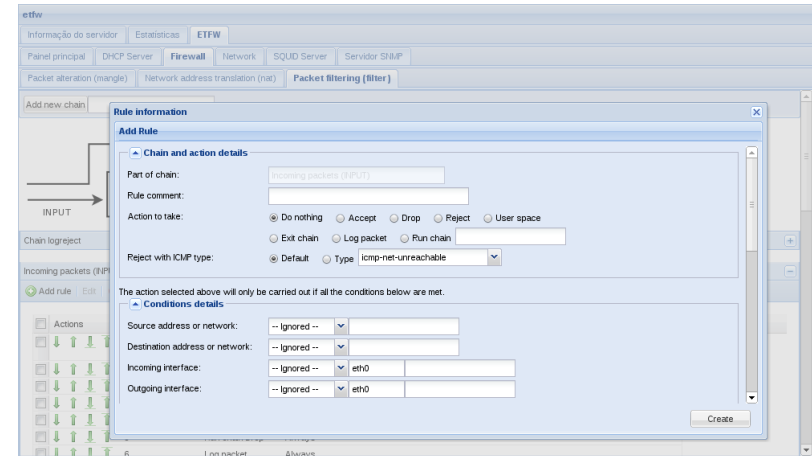
Incoming packets (INPUT)

+ Add rule | Edit | - Delete

Actions	Id	Action	Condition
	0	Run chain dynamic	Always
	1	Run chain net2fw	If input interface is eth0
	2	Run chain loc2fw	If input interface is eth1
	3	ACCEPT	If input interface is lo
	4	ACCEPT	Always
	5	Run chain Drop	Always
	6	Log packet	Always

Regras Firewall

- Tabela Filter – Packet Filtering
- Tabela NAT – Network address translation



Regras Firewall

- Tabela Filter – Packet Filtering
- Tabela NAT – Network address translation

The screenshot shows the 'Add Rule' dialog box in Mikrotik WinBox. The 'Chain and action details' section is active, showing 'Incoming packets (INPUT)' as the part of the chain. The 'Action to take' section has radio buttons for 'Do nothing', 'Accept', 'Drop', 'Masquerade', and 'Source NAT'. The 'Conditions details' section shows various conditions like 'Source address or network', 'Destination address or network', 'Incoming interface', 'Outgoing interface', 'Fragmentation', and 'Network protocol'. The 'Create' button is at the bottom right.

Rule information
Add Rule

Chain and action details

Part of chain: Incoming packets (INPUT)

Rule comment:

Action to take: ☒ Do nothing ☐ Accept ☐ Drop ☐ Masquerade ☐ Source NAT

☐ Redirect ☐ Destination NAT ☐ Run chain

Source ports for masquerading: ☒ Any ☐ Port range to:

Target ports for redirect: ☒ Default ☐ Port range to:

IPs and ports for SNAT: ☒ Default ☐ IP range to: Port range: to:

IPs and ports for DNAT: ☒ Default ☐ IP range to: Port range: to:

The action selected above will only be carried out if all the conditions below are met.

Conditions details

Source address or network: -- Ignored --

Destination address or network: -- Ignored --

Incoming interface: -- Ignored -- eth0

Outgoing interface: -- Ignored -- eth0

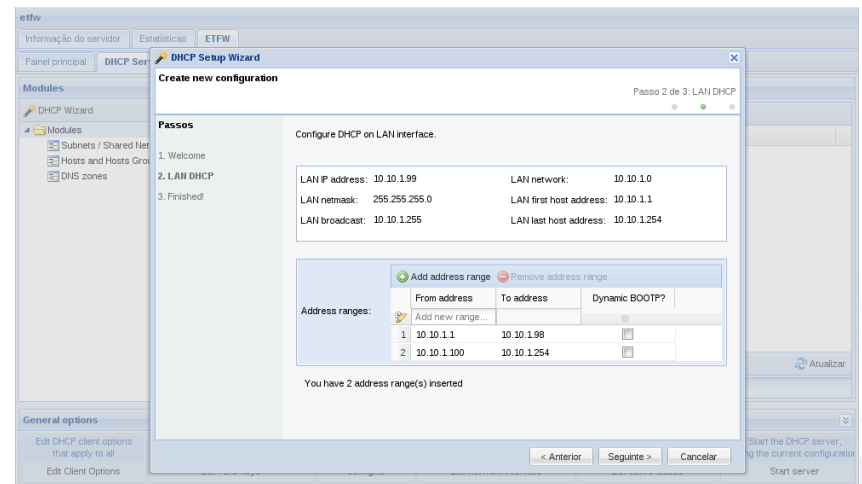
Fragmentation: ☒ Ignored ☐ Is fragmented ☐ Is not fragmented

Network protocol: -- Ignored -- TCP

Create

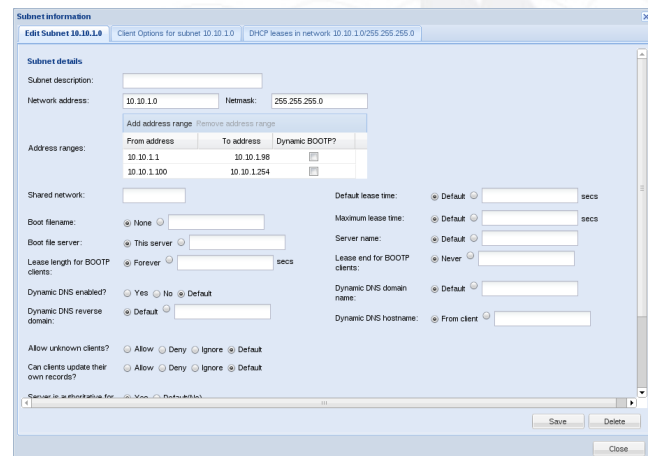
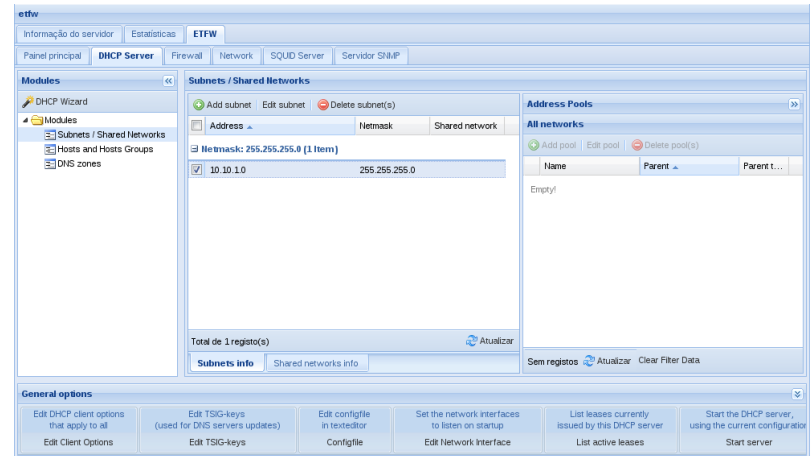
Servidor DHCP

- Wizard configuração intervalos de IP
- Configuração sub-redes
- Escolha de interface
- Lista de concessões activas
- Edição do ficheiro configuração



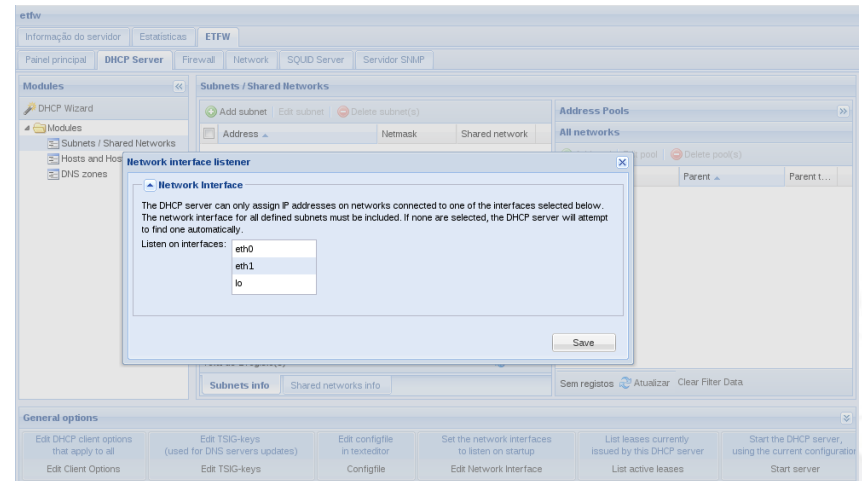
Servidor DHCP

- Wizard configuração intervalos de IP
- Configuração sub-redes
- Escolha de interface
- Lista de concessões ativas
- Edição do ficheiro configuração



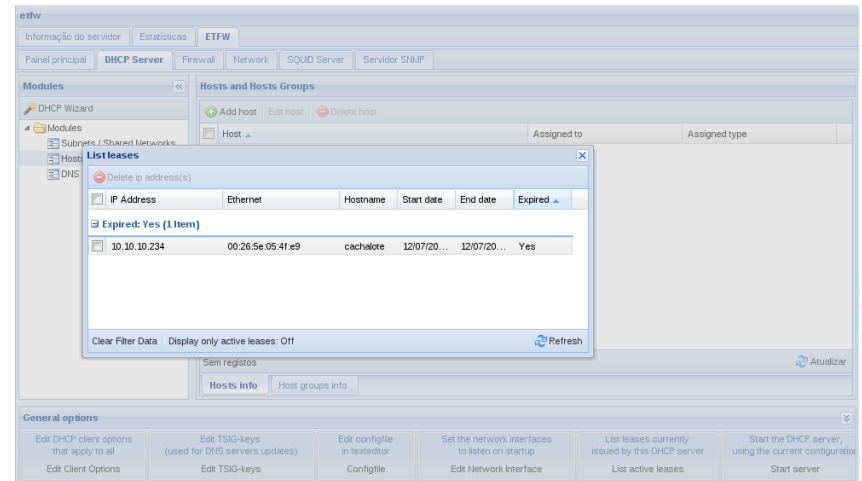
Servidor DHCP

- Wizard configuração intervalos de IP
- Configuração sub-redes
- Escolha de interface
- Lista de concessões ativas
- Edição do ficheiro configuração



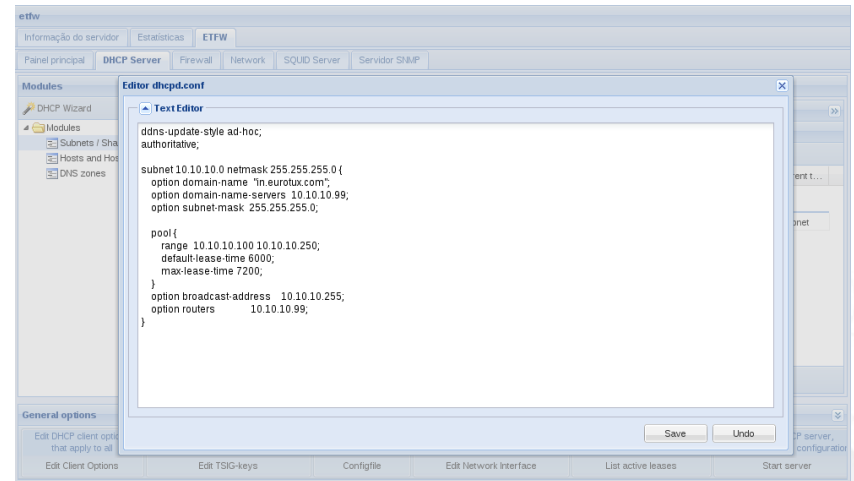
Servidor DHCP

- Wizard configuração intervalos de IP
- Configuração sub-redes
- Escolha de interface
- Lista de concessões ativas
- Edição do ficheiro configuração



Servidor DHCP

- Wizard configuração intervalos de IP
- Configuração sub-redes
- Escolha de interface
- Lista de concessões ativas
- Edição do ficheiro configuração



Servidor SQUID

The screenshot shows the 'etfw' (Educação Tecnológica de Formação) interface with the 'SQUID Setup Wizard' open. The wizard is titled 'Create new configuration' and is on 'Passo 2 de 3: LAN SQUID'. The left sidebar shows the 'Modules' list with 'SQUID Wizard' selected. The main window displays the 'Passos' (Steps) on the left: 1. Welcome, 2. LAN SQUID (current), and 3. Finished!. The right pane is titled 'Configure SQUID on LAN.' and contains the 'SQUID proxy' section. Under 'SQUID proxy', there are two radio button options: 'Transparent Proxy' (selected) and 'Proxy with AD (Active Directory)'. Below these are input fields for 'Server IP:', 'Realm name:', 'Workgroup name:', 'Host name:', 'Username:', and 'Password:'. There is also a section for 'Proxy with LDAP' with input fields for 'IP Address:' and 'Base DN:'. At the bottom of the wizard, there are buttons for '< Anterior', 'Seguinte >', and 'Cancelar'.

etfw

Informação do servidor Estatísticas EFW

Painel principal DHCP Server

Modules

SQUID Wizard

Modules

Ports and Networking

Access control

Authentication Programs

Other Caches

SQUID Setup Wizard

Create new configuration

Passo 2 de 3: LAN SQUID

Passos

1. Welcome
2. LAN SQUID
3. Finished!

Configure SQUID on LAN.

SQUID proxy

☒ Transparent Proxy ⓘ

☐ Proxy with AD (Active Directory)

Server IP:

Realm name:

Workgroup name:

Host name:

Username:

Password:

☐ Proxy with LDAP

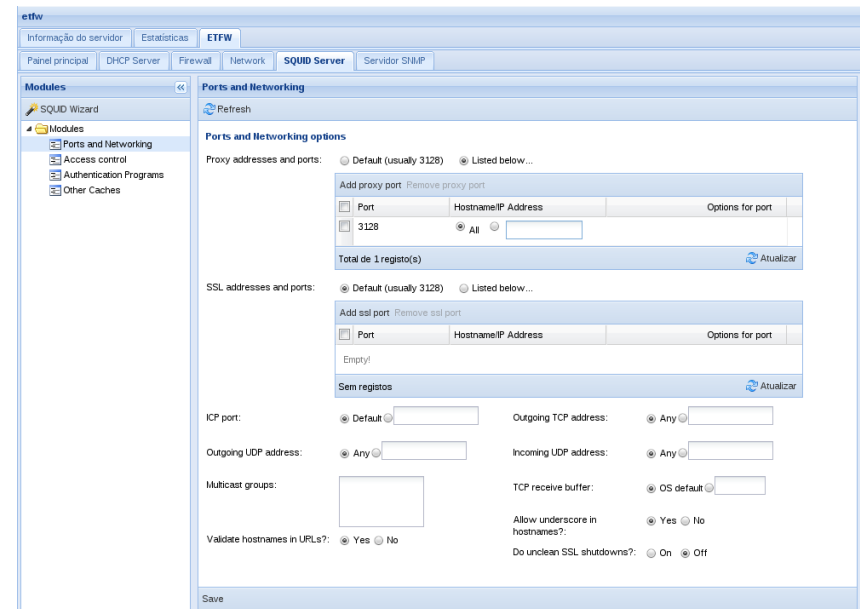
IP Address:

Base DN:

< Anterior Seguinte > Cancelar

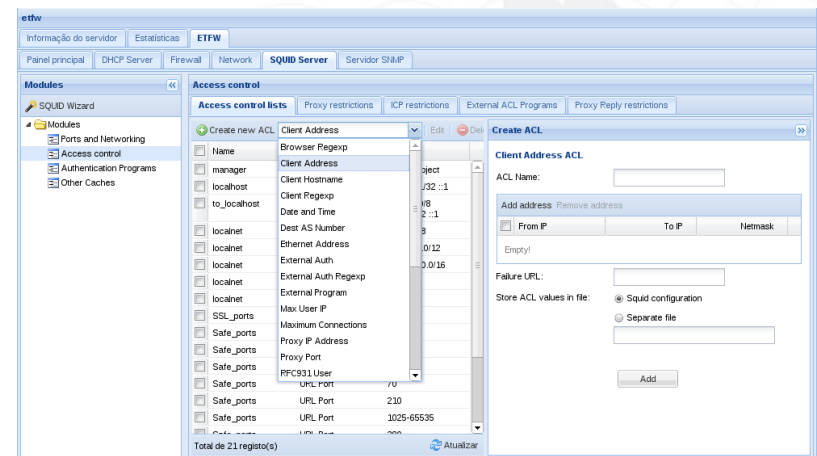
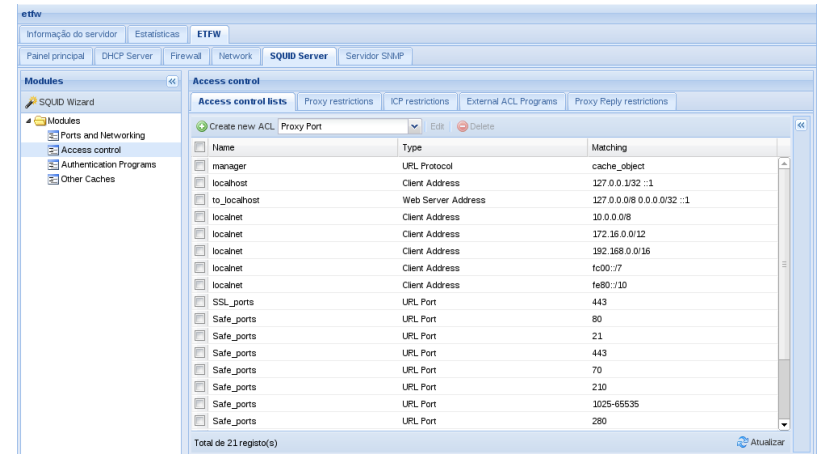
Servidor SQUID

- Ports and Networking
- Access Control
- Authentication Programs
- Other Caches
- Exemplos Utilização



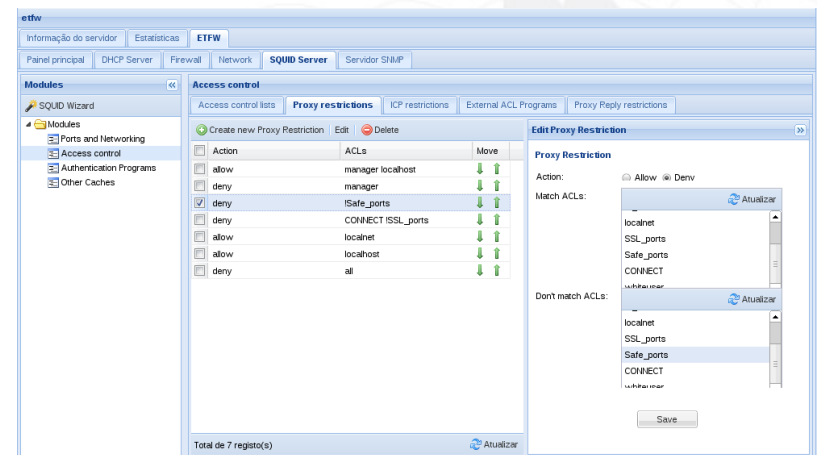
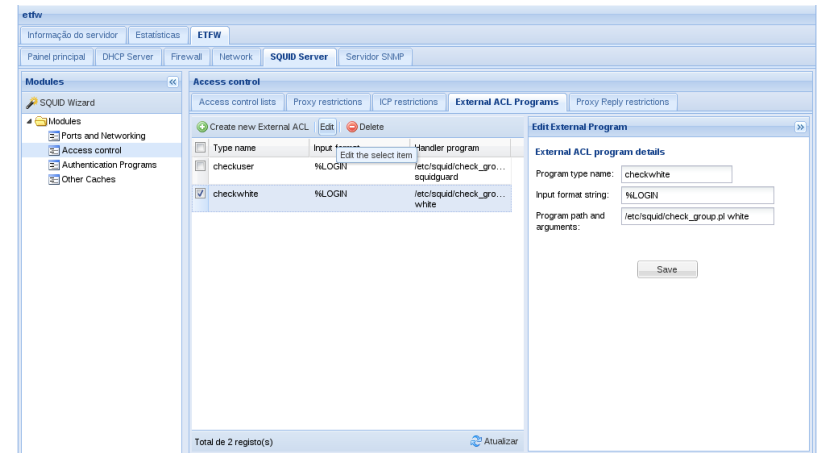
Servidor SQUID

- Ports and Networking
- Access Control
 - ACL
 - External Acl
 - Proxy restrictions
- Authentication Programs
- Other Caches
- Exemplos Utilização



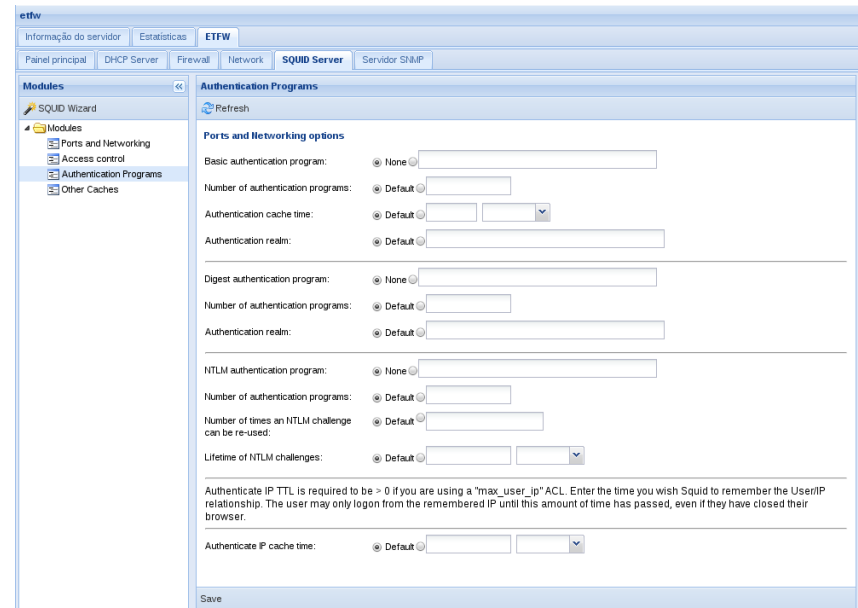
Servidor SQUID

- Ports and Networking
- Access Control
 - ACL
 - External Acl
 - Proxy restrictions
- Authentication Programs
- Other Caches
- Exemplos Utilização



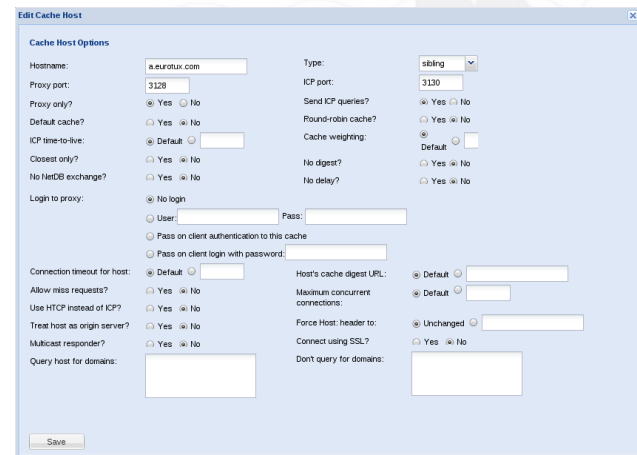
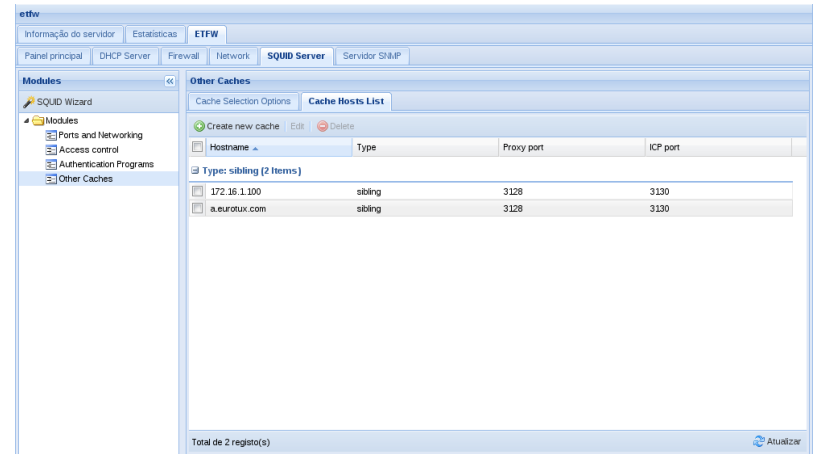
Servidor SQUID

- Ports and Networking
- Access Control
- Authentication Programs
- Other Caches
- Exemplos Utilização



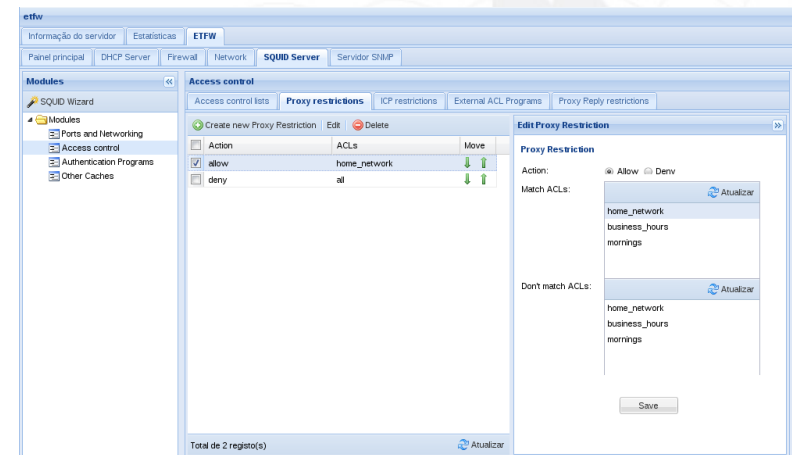
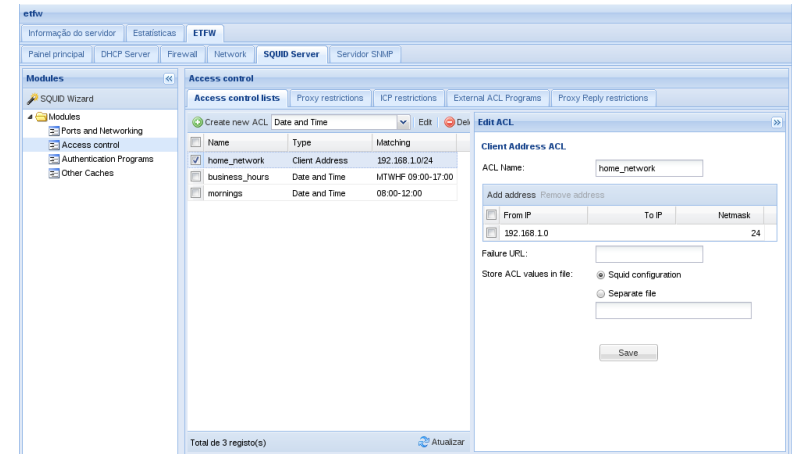
Servidor SQUID

- Ports and Networking
- Access Control
- Authentication Programs
- Other Caches
- Exemplos Utilização



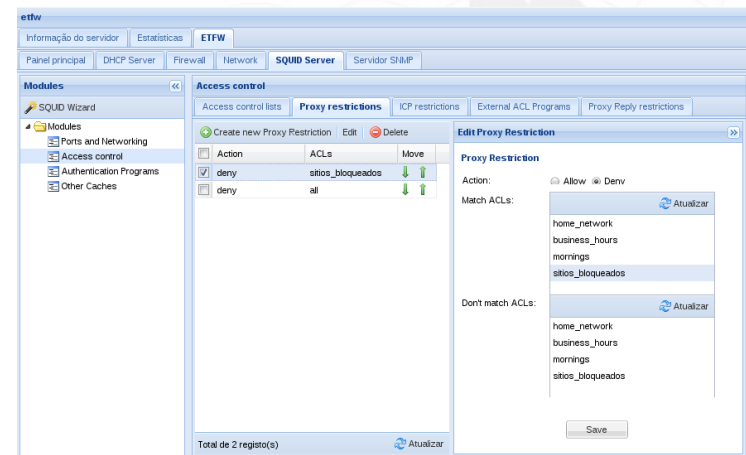
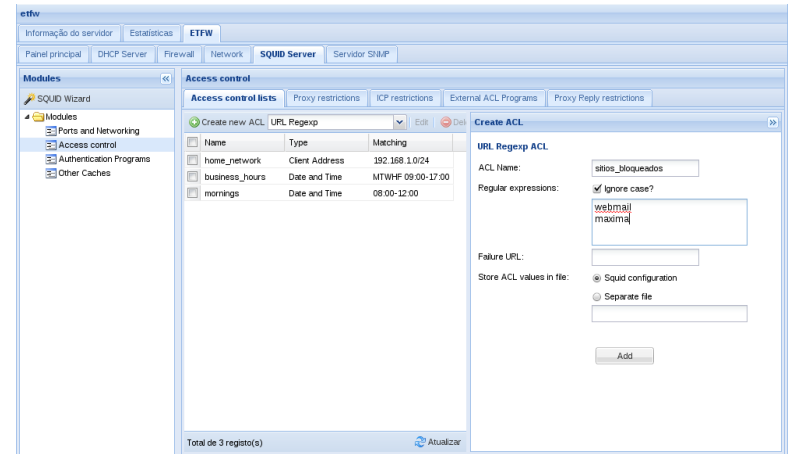
Servidor SQUID

- Ports and Networking
- Access Control
- Authentication Programs
- Other Caches
- Exemplos Utilização



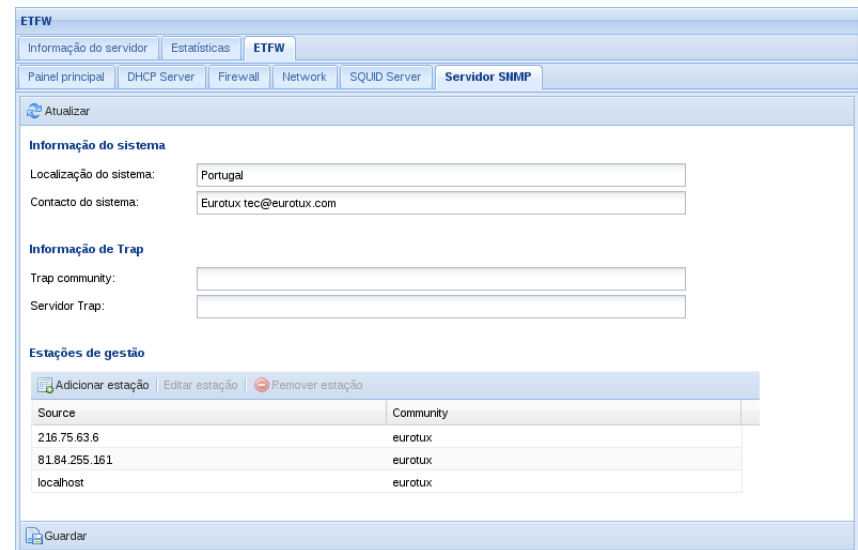
Servidor SQUID

- Ports and Networking
- Access Control
- Authentication Programs
- Other Caches
- Exemplos Utilização



Servidor SNMP

- Informação do sistema: localização e contacto
- IP do servidor de Trap
- Community de Trap
- Estações de monitorização



The screenshot displays the ETFW (Eurotux Firewall Web) interface. The top navigation bar includes tabs for 'Informação do servidor', 'Estatísticas', and 'ETFW'. Below this, a sub-navigation bar shows 'Painel principal', 'DHCP Server', 'Firewall', 'Network', 'SQUID Server', and 'Servidor SNMP'. The main content area is titled 'Atualizar' and contains three sections: 'Informação do sistema' with fields for 'Localização do sistema:' (filled with 'Portugal') and 'Contacto do sistema:' (filled with 'Eurotux tec@eurotux.com'); 'Informação de Trap' with fields for 'Trap community:' and 'Servidor Trap:'. The 'Estações de gestão' section features a table with columns 'Source' and 'Community', listing three entries: '216.75.63.6' with community 'eurotux', '81.84.255.161' with community 'eurotux', and 'localhost' with community 'eurotux'. At the bottom, there are buttons for 'Adicionar estação', 'Editar estação', 'Remover estação', and 'Guardar'.

Source	Community
216.75.63.6	eurotux
81.84.255.161	eurotux
localhost	eurotux