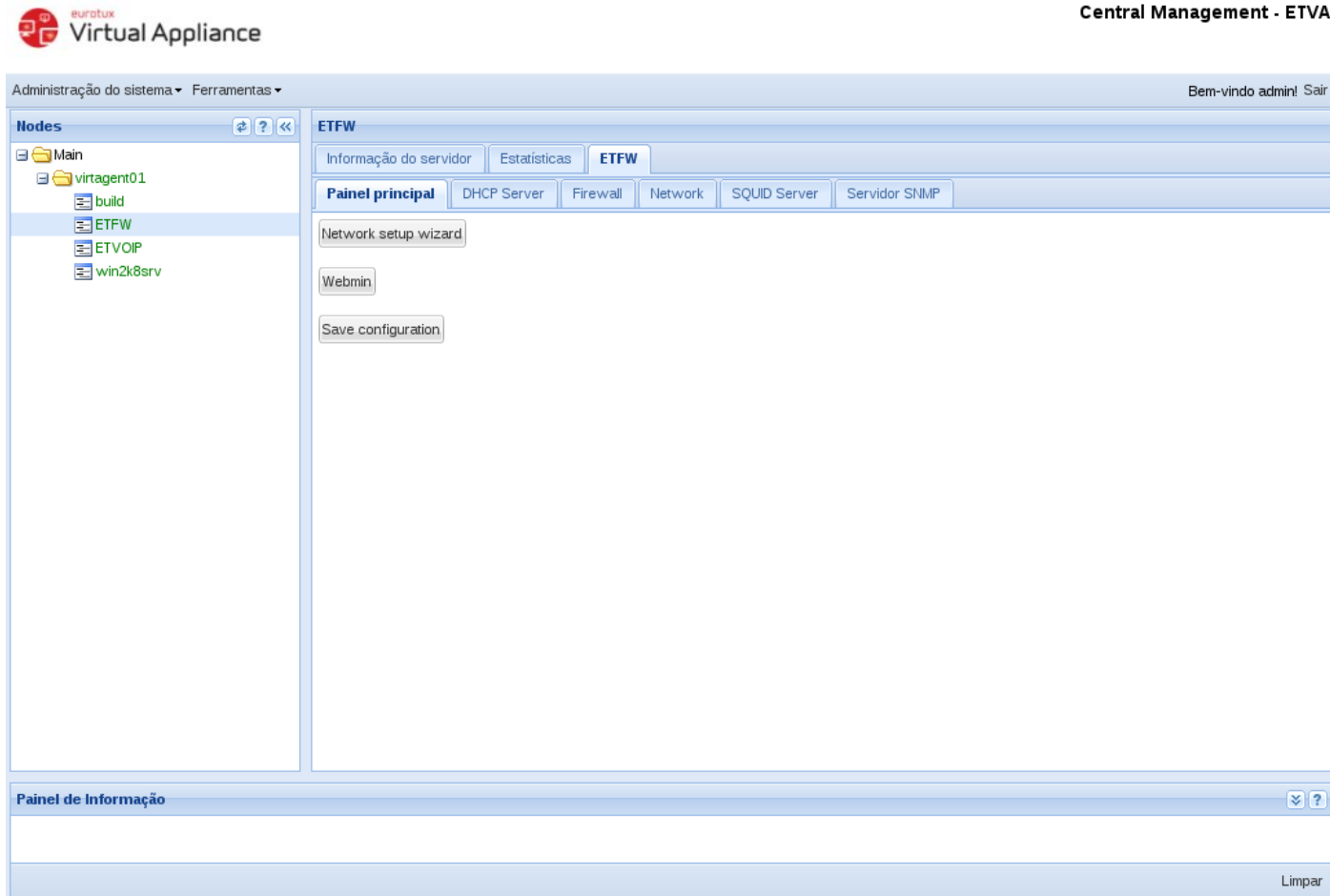
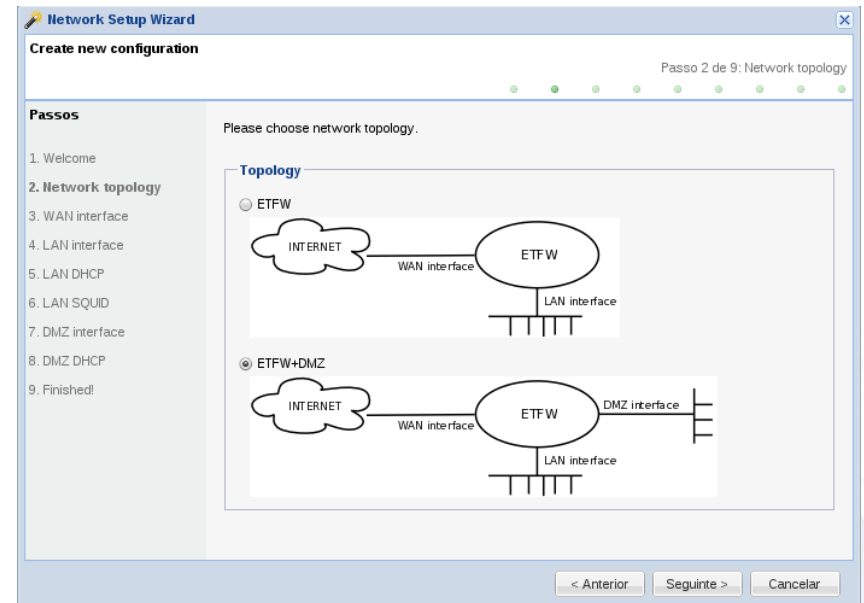
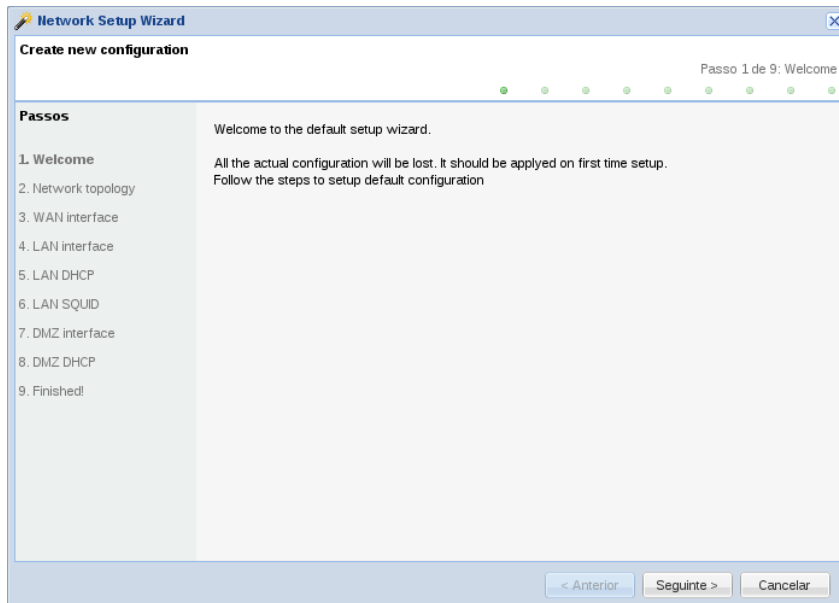


Management Agents ETFW

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

☒ Static config

IP Address:

Netmask:

Broadcast:

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:

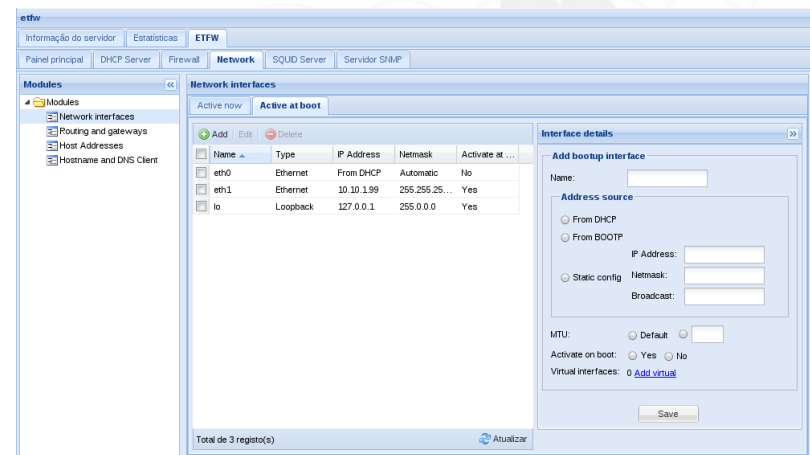
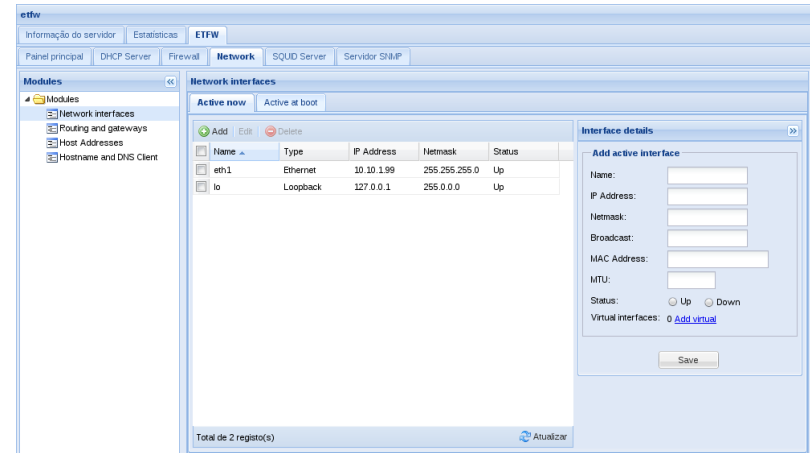
	From address	To address	Dynamic BOOTP?
1	10.10.2.1	10.10.2.253	<input type="checkbox"/>

You have 1 address range(s) inserted

< Anterior Seguinte > Cancelar

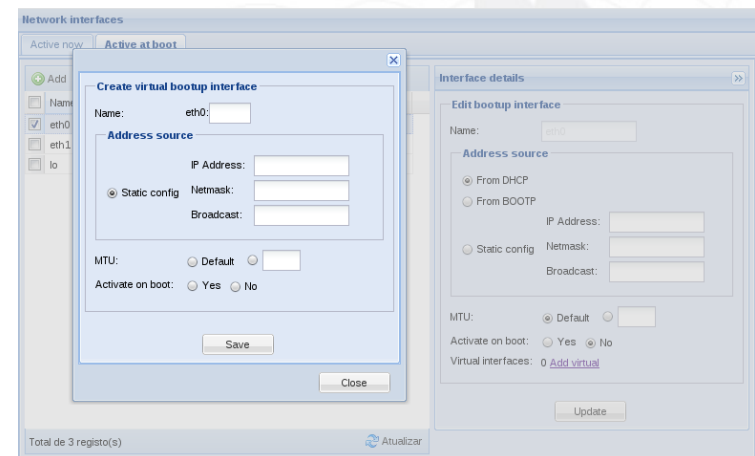
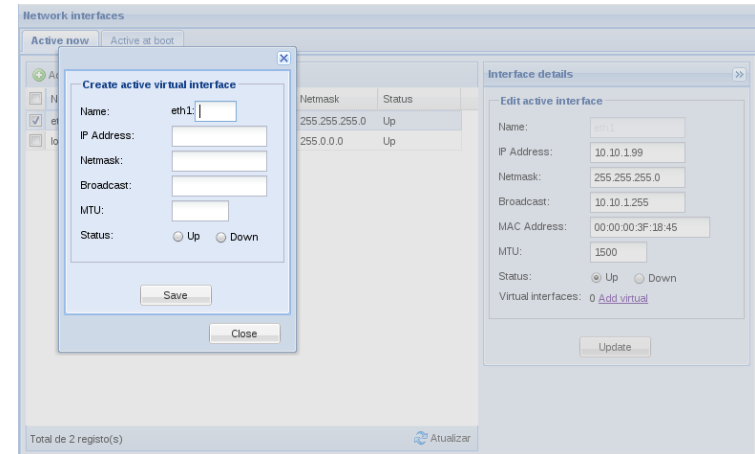
Edição de redes – Networking

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



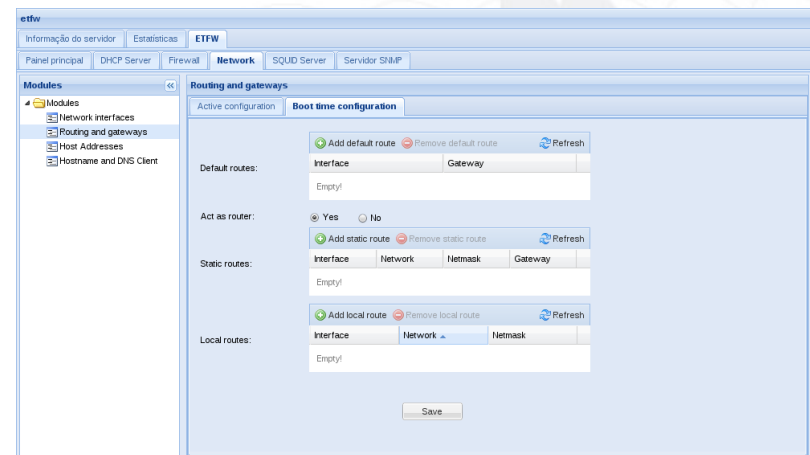
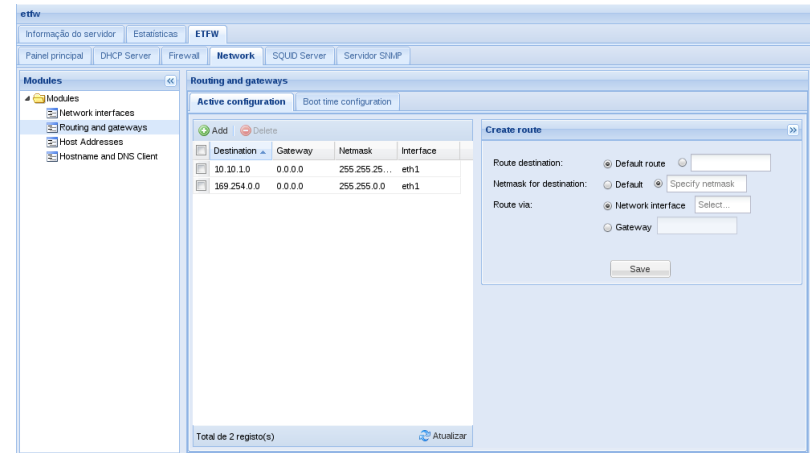
Edição de redes – Networking

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



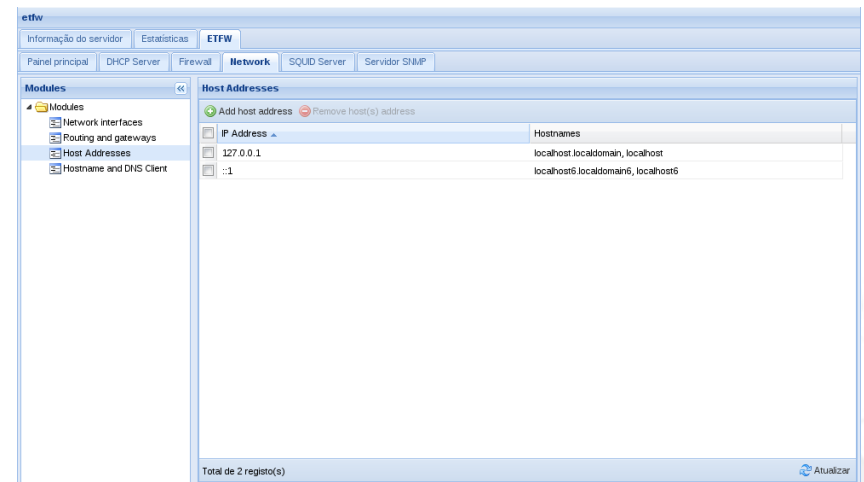
Edição de redes – Networking

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



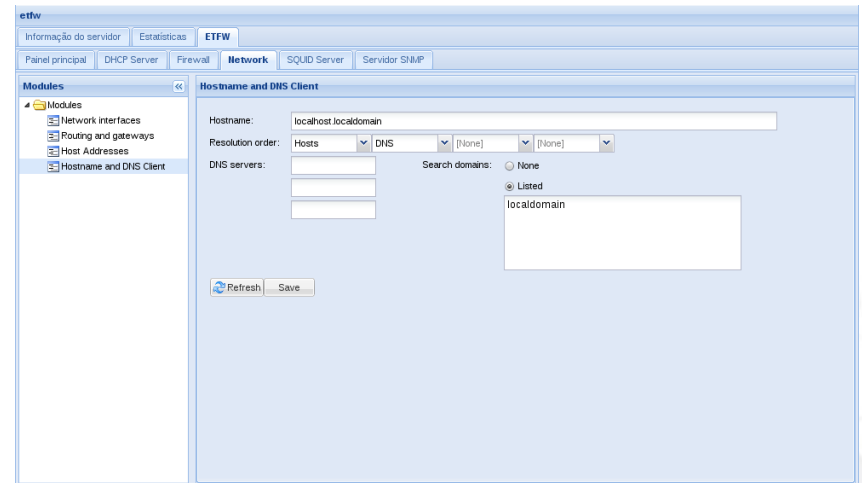
Edição de redes – Networking

- 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

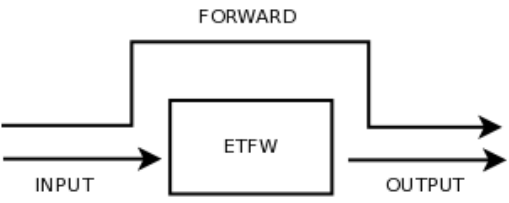
etfw

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

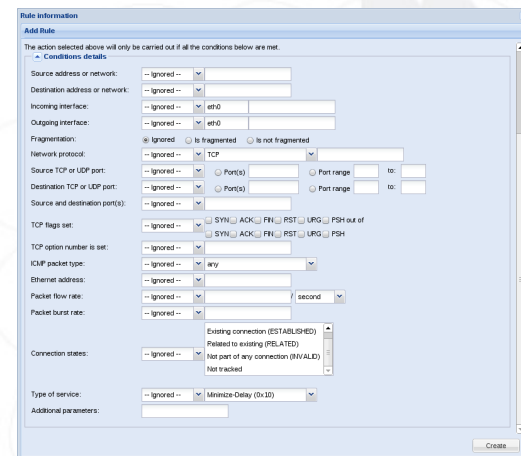
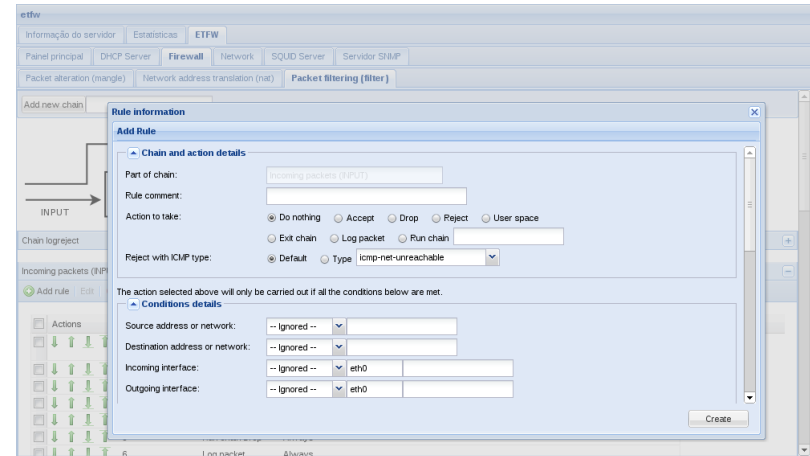
Incoming packets (INPUT)

+ 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 the Mikrotik WinBox interface. The dialog is divided into two main sections: 'Chain and action details' and 'Conditions details'.

Chain and action details:

- Part of chain:** Incoming packets (INPUT)
- Rule comment:** (Empty text field)
- Action to take:** Radio buttons for Do nothing, Accept, Drop, Masquerade, and Source NAT. 'Masquerade' is selected.
- Source ports for masquerading:** Radio buttons for Any and Port range. 'Any' is selected.
- Target ports for redirect:** Radio buttons for Default and Port range. 'Default' is selected.
- IPs and ports for SNAT:** Radio buttons for Default and IP range. 'Default' is selected.
- IPs and ports for DNAT:** Radio buttons for Default and IP range. 'Default' is selected.

Conditions details:

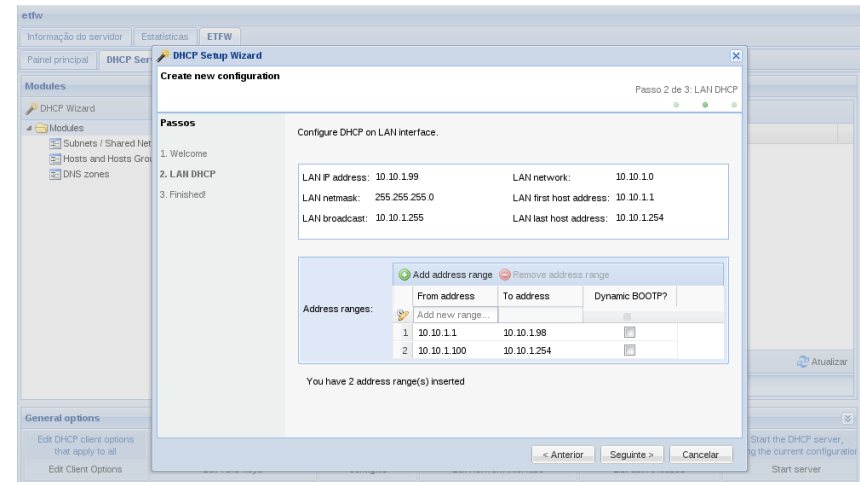
The action selected above will only be carried out if all the conditions below are met.

- Source address or network:** -- Ignored --
- Destination address or network:** -- Ignored --
- Incoming interface:** -- Ignored -- eth0
- Outgoing interface:** -- Ignored -- eth0
- Fragmentation:** Radio buttons for Ignored, Is fragmented, and Is not fragmented. 'Is not fragmented' is selected.
- Network protocol:** -- Ignored -- TCP

A 'Create' button is located at the bottom right of the dialog.

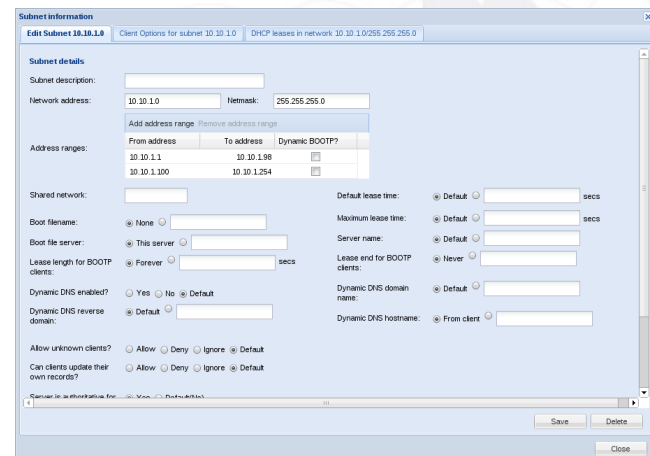
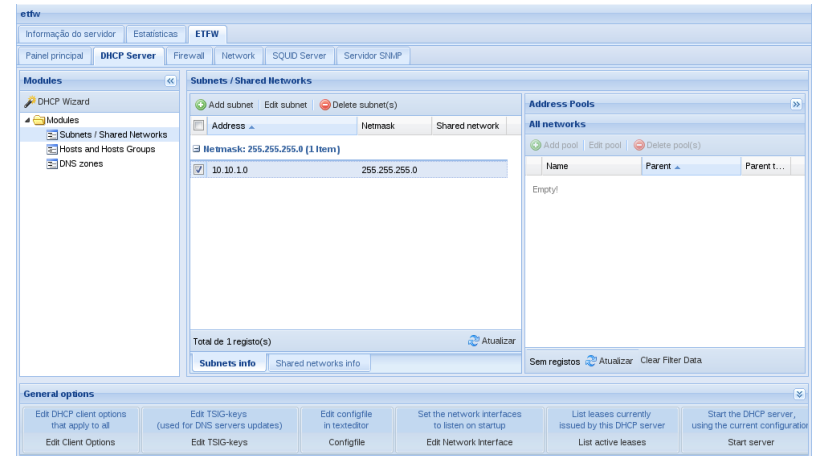
Servidor DHCP

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



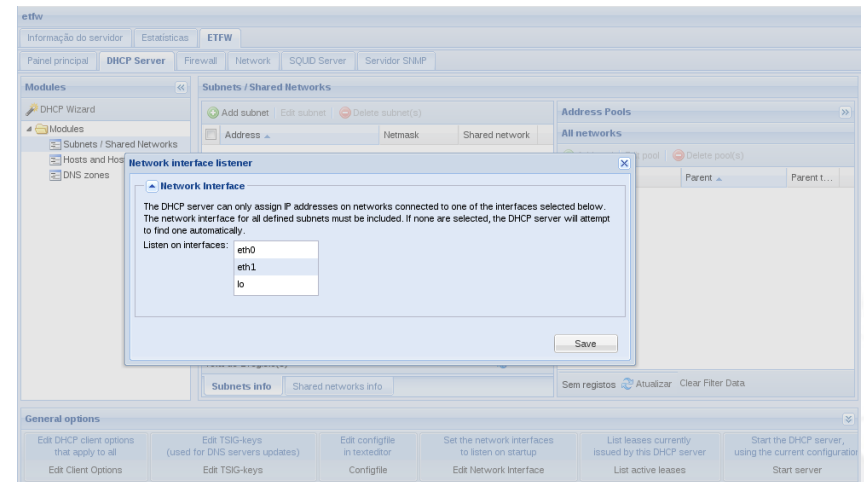
Servidor DHCP

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



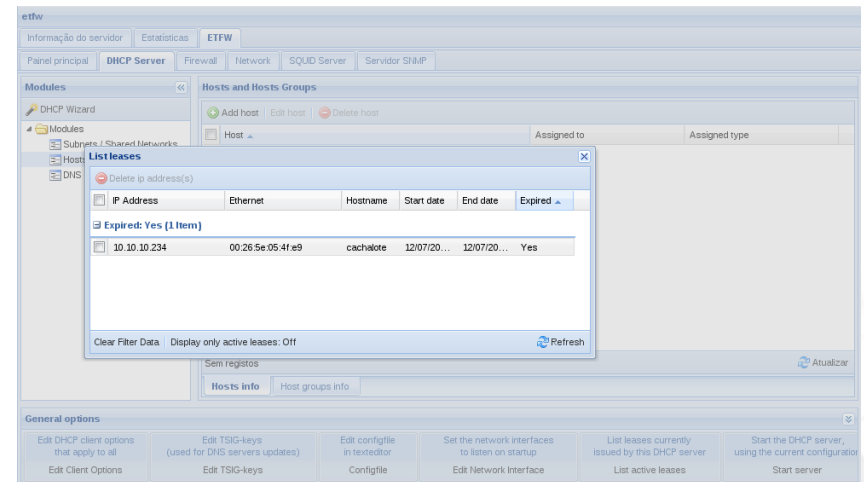
Servidor DHCP

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



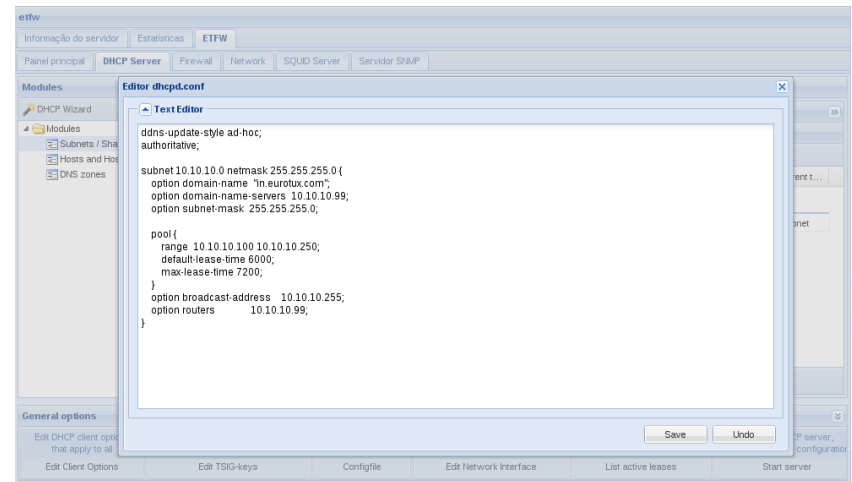
Servidor DHCP

- 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' (eTFS) 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) section with '2. LAN SQUID' selected. The 'SQUID proxy' section is active, showing two options: 'Transparent Proxy' (selected) and 'Proxy with AD (Active Directory)'. The 'Transparent Proxy' option has fields for 'Server IP:', 'Realm name:', 'Workgroup name:', 'Host name:', 'Username:', and 'Password:'. The 'Proxy with AD' option has fields for 'IP Address:' and 'Base DN:'. The bottom of the wizard has 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)

☐ Proxy with LDAP

Server IP:

Realm name:

Workgroup name:

Host name:

Username:

Password:

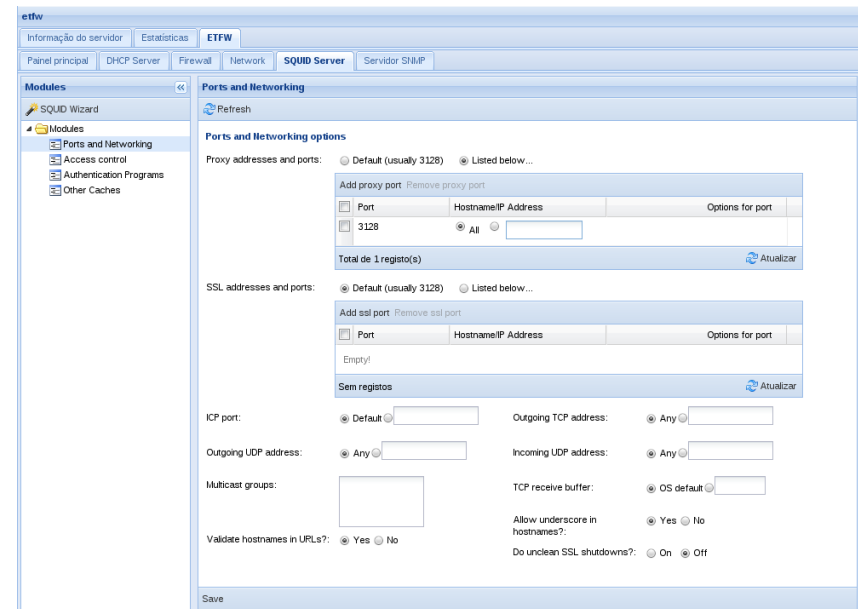
IP Address:

Base DN:

< Anterior Seguinte > Cancelar

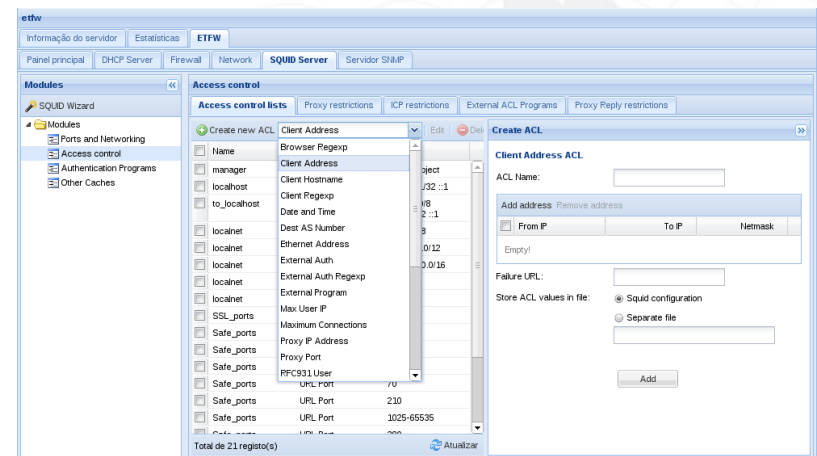
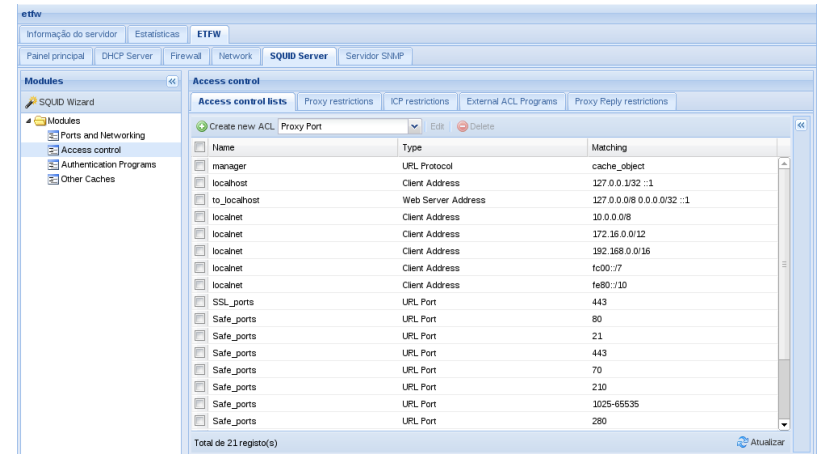
Servidor SQUID

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



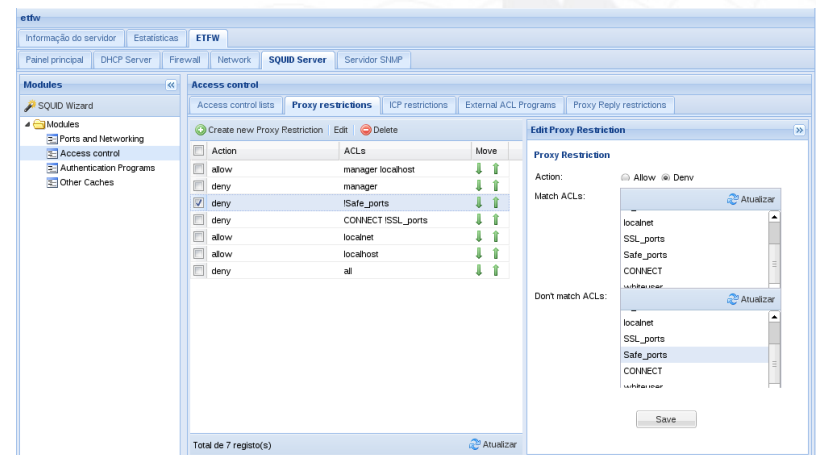
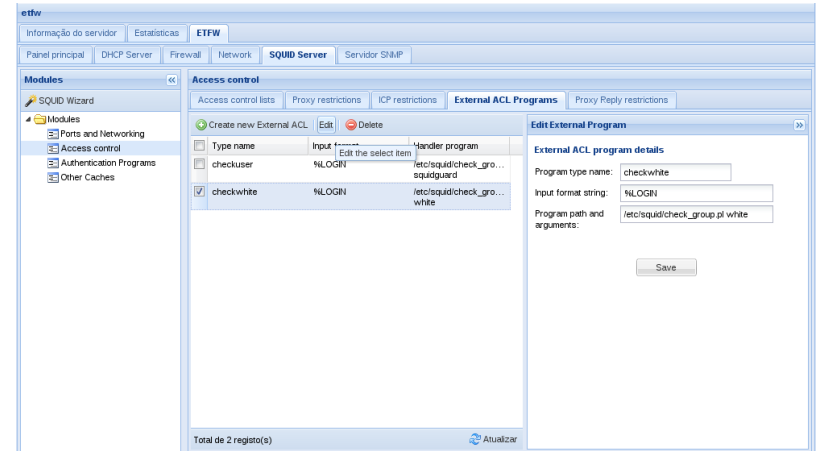
Servidor SQUID

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



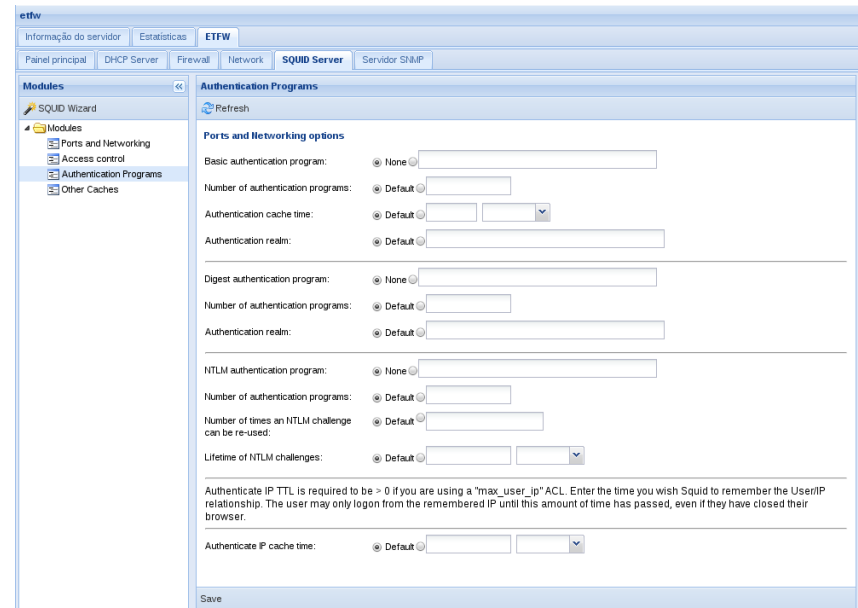
Servidor SQUID

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



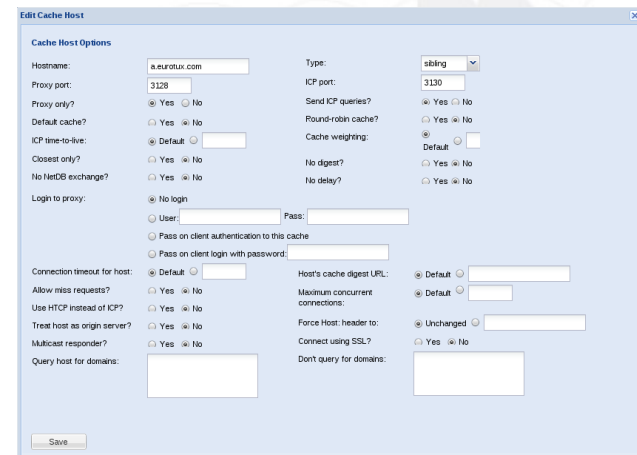
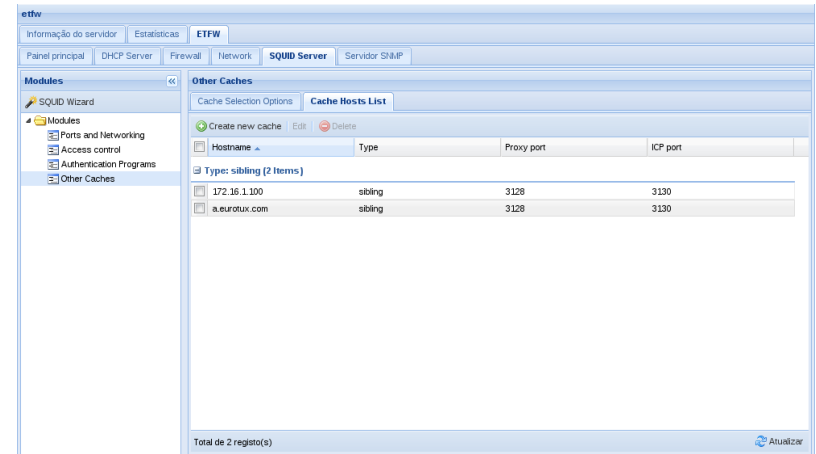
Servidor SQUID

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



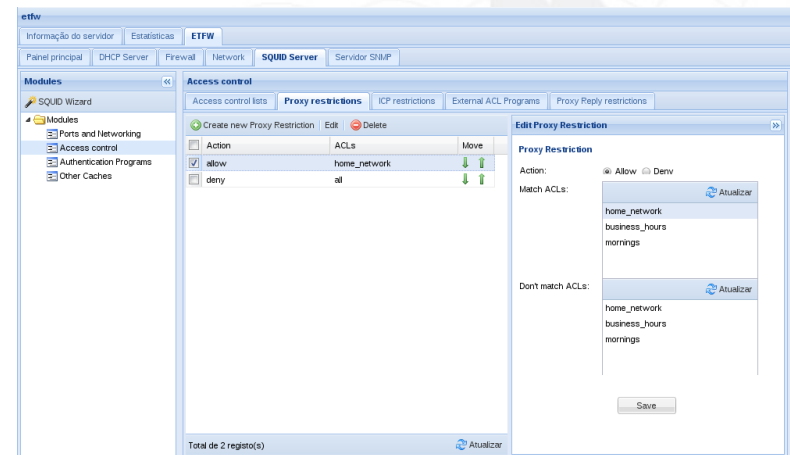
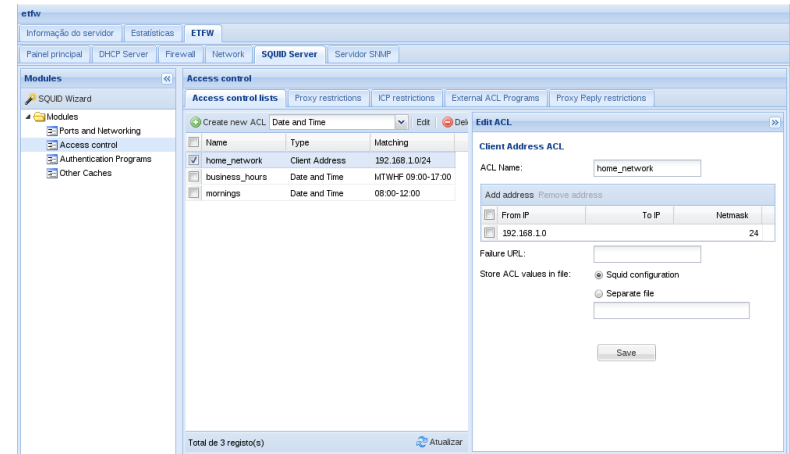
Servidor SQUID

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



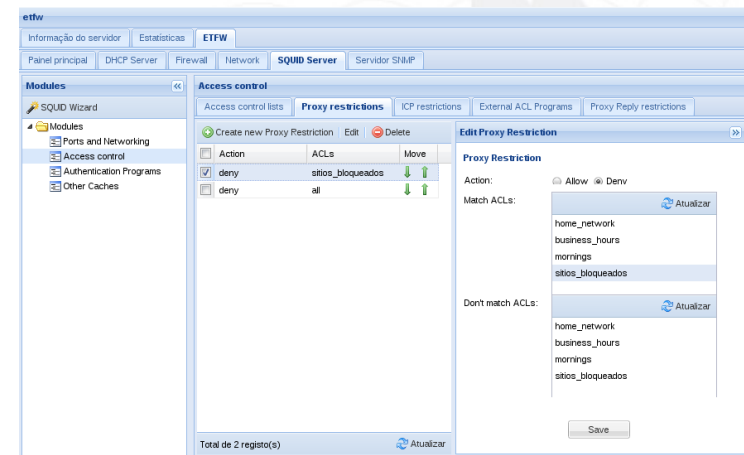
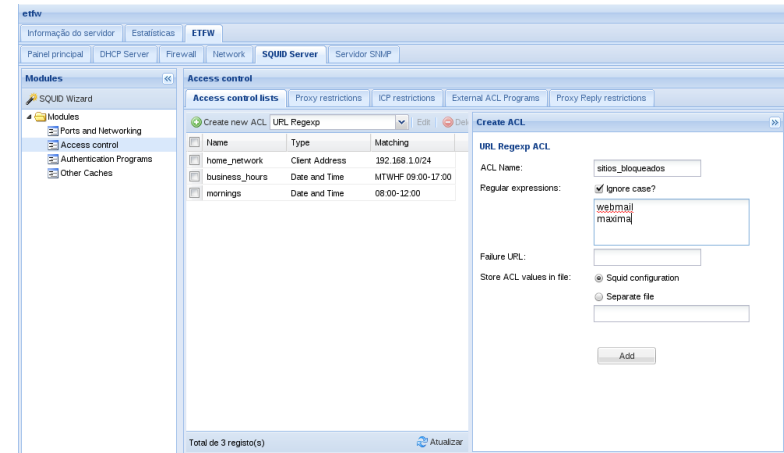
Servidor SQUID

- 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 shows the ETFW web interface for configuring the SNMP server. The interface has a top navigation bar with tabs for 'Informação do servidor', 'Estatísticas', and 'ETFW'. Below this is a sub-navigation bar with tabs for 'Painel principal', 'DHCP Server', 'Firewall', 'Network', 'SQUID Server', and 'Servidor SNMP'. The 'Servidor SNMP' tab is selected. The main content area is titled 'Atualizar' and contains three sections: 'Informação do sistema', 'Informação de Trap', and 'Estações de gestão'. The 'Informação do sistema' section has two text input fields: 'Localização do sistema:' with the value 'Portugal' and 'Contacto do sistema:' with the value 'Eurotux tec@eurotux.com'. The 'Informação de Trap' section has two text input fields: 'Trap community:' and 'Servidor Trap:'. The 'Estações de gestão' section has three buttons: 'Adicionar estação', 'Editar estação', and 'Remover estação'. Below these buttons is a table with two columns: 'Source' and 'Community'. The table contains three rows of data: '216.75.63.6' with 'eurotux', '8184.255.161' with 'eurotux', and 'localhost' with 'eurotux'. At the bottom of the interface is a 'Guardar' button.

Source	Community
216.75.63.6	eurotux
8184.255.161	eurotux
localhost	eurotux