

Seguridad Informática

Tema 7

Ejercicio 2

PABLO CORNAGO GÓMEZ
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Ejercicio 2

Enunciado

Verifica en tu router particular si es posible configurar el firewall para bloquear el tráfico en determinados días y horas. Si no es así, busca en la web algún modelo con el que sí lo sea.

Resolución

Mi router me permite crear, eliminar o modificar el tráfico que se bloquea o se permite, pero no me deja gestionar las horas a las que lo hace.

The screenshot shows the 'Add Firewall Rule' configuration page in the MitraStar web interface. The interface is in Spanish. The sidebar on the left contains the following menu items: Device Info, Advanced Setup, Layer2 Interface, WAN Service, LAN, NAT, Firewall, General, Rules, Quality of Service, Routing, DNS, UPnP, DNS Proxy, Interface Grouping, IP Tunnel, Certificate, Power Management, and Multicast. The main content area is titled 'Add Firewall Rule' and contains the following fields: Rule Name (text input), Interface (dropdown menu set to 'ppp0.1'), Direction (dropdown menu set to 'Incoming'), Protocol (dropdown menu), Source IP Address (text input), Source Subnet Mask (text input), Source IPv6 Address (text input), Source IPv6 Prefix Length (text input), Source Port (port or port:port) (text input), Destination IP Address (text input), Destination Subnet Mask (text input), Destination IPv6 Address (text input), Destination IPv6 Prefix Length (text input), Destination Port (port or port:port) (text input), and Action (dropdown menu set to 'Permit'). There are 'Back' and 'Apply' buttons at the bottom of the form. The browser address bar shows '192.168.1.1/main.html'.

Ejemplos de routers que si que permiten esta funcionalidad serían: Mikrotik o Cisco.

Por otro lado, en cuanto a software se refiere, PFSense permite realizar estas configuraciones.

Schedule Information

Schedule Name

Description

Month

Date

August_2016						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Click individual date to select that date only. Click the appropriate weekday Header to select all occurrences of that weekday.

Time

Time range description

+ Add Time

↺ Clear selection

Otro ejemplo de software es OPNsense.

Schedule information full help

Name

Description

Month

May_2020						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Time

Start Time

Stop Time

Provya

Bibliografía

<https://www.timigate.com/2018/06/how-to-configure-time-based-firewall-filter-rules-on-mikrotik-routers.html>

<https://community.cisco.com/t5/network-security/asa-firewall-rule-time-based/td-p/996222>

<https://docs.netgate.com/pfsense/en/latest/firewall/time-based-rules.html>