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Session Policing



Configuring Session Policing via CLI

You can manage Session Policing in the GUI under SSG control → Services → Session Policing.
The process of configuring session policing consists of two steps:

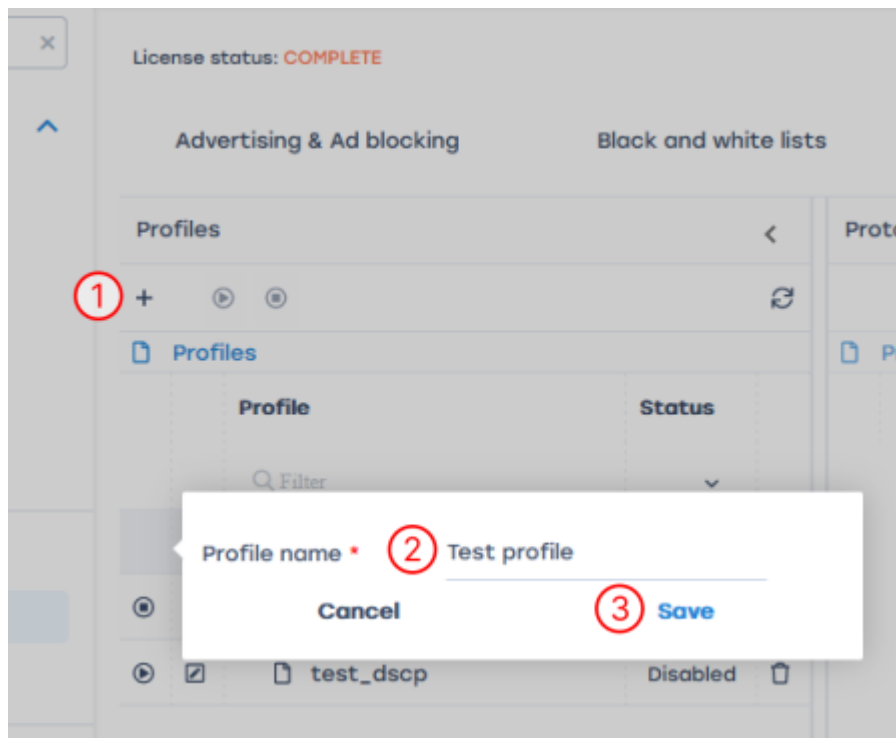
1. Creating a service profile and configuring policing within the profile: selecting protocols and assigning them priority (policing class) or speed.
2. Overlaying a Policing Profile on a subscriber.

Creating and customizing the Service Profile

Create a profile to which we will then add protocols and configure policies.
One protocol can be added to different profiles, and one profile can be overlaid on multiple subscribers.

To create a profile, you need to perform the following actions on the corresponding panel:

1. Press the + (Add Profile) button.
2. Enter a profile name
3. Save



4. Add the necessary protocols to the created profile: click the + (Add Protocol) button on the Protocols panel
5. Fill in the details of the protocol/protocol group:
 - Select Mode (Protocol or Protocols Group), fill in the name of the protocol or select the name of the group from the drop-down list

- Prioritize the selected protocol or group. There are two ways to do this: set the priority or rate.

Description of parameters:

- The **Priority** parameter overrides the class with respect to global DSCP markup
- With the **Inbound rate** and **Outbound rate** parameters, you can set the traffic rate for a particular session
- The parameters **Burst inbound rate** and **Burst outbound rate** show what the short-term rate interruption equals

6. Save

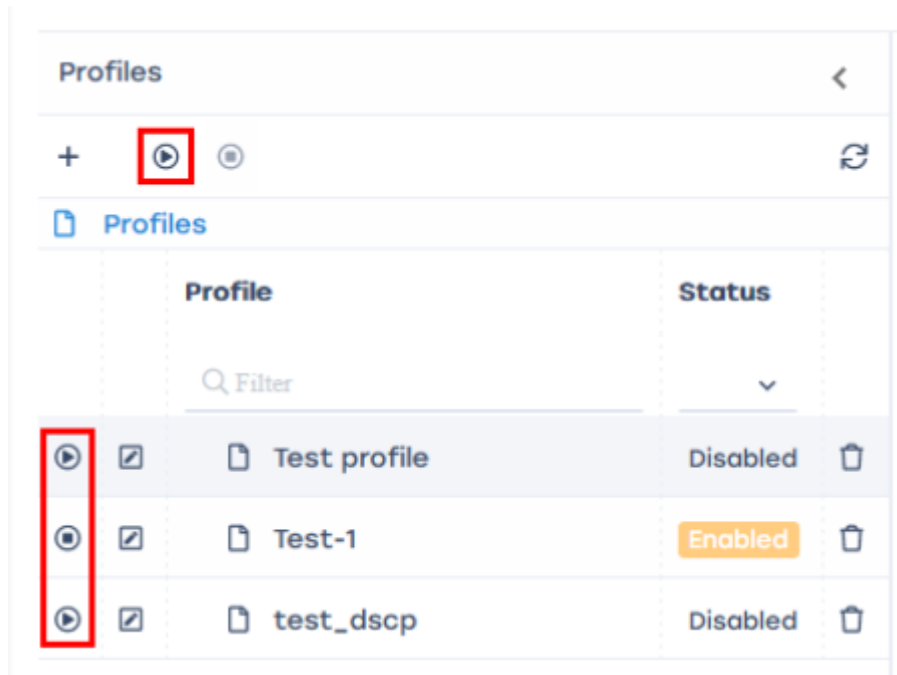
The screenshot shows a web interface for configuring protocols. A modal form is open for editing a protocol. The form has the following fields:

Field	Value	Unit
Mode	Protocol	
Application protocol	speedtest	
Priority	cs1	
Inbound rate	64	bps
Outbound rate	32	bps
Burst inbound rate	0	Mbps
Burst outbound rate	0	Mbps

At the bottom of the form, there are two buttons: "Cancel" and "Save". The "Save" button is highlighted with a red circle and the number 6. There is also a red circle with the number 5 next to the "Mode" dropdown menu.

Applying Session Policing to a Subscriber

Before applying a profile to a subscriber, it is necessary to enable the profile by clicking on the "Start" icon to the left of the profile or above the profile table:



From the graphical interface, you can overlay a service profile on a subscriber in two ways:

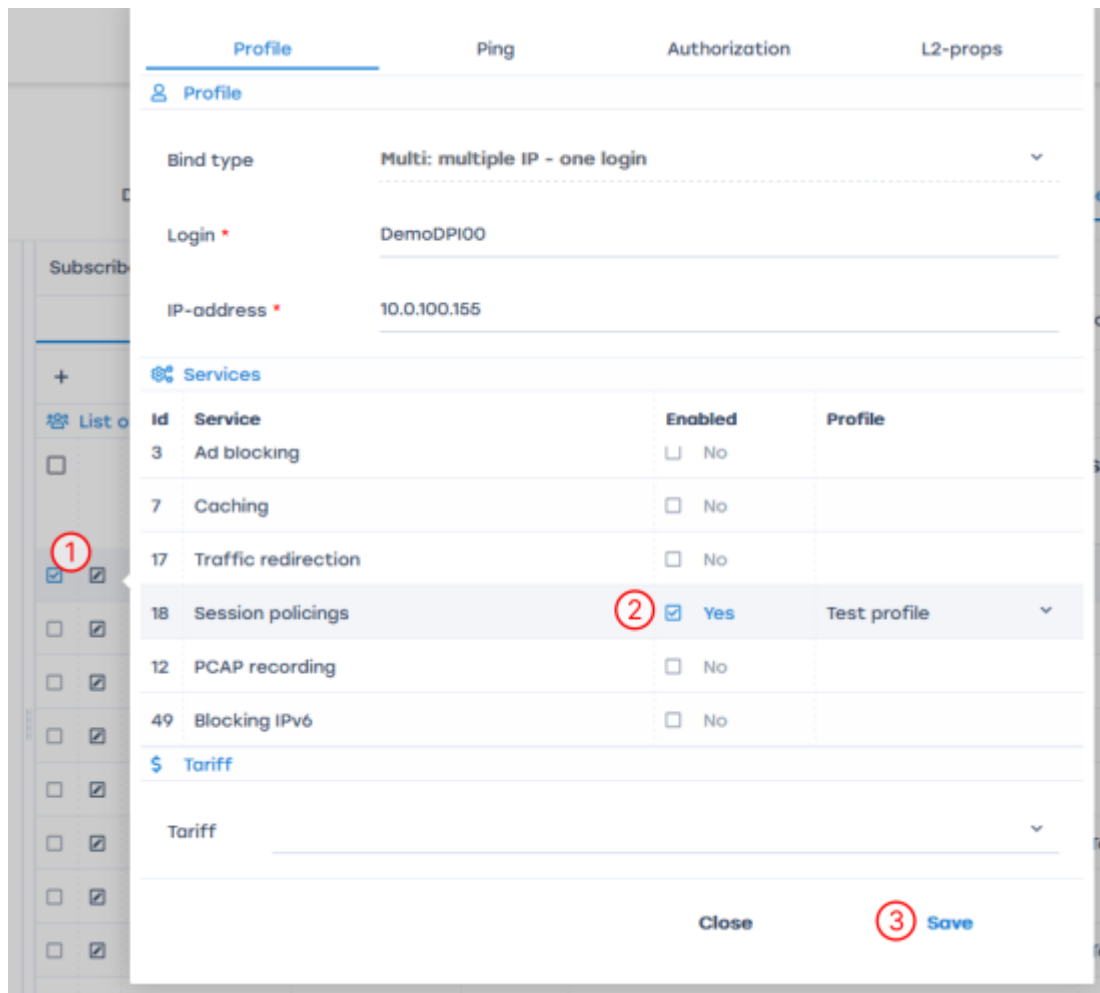
1. [Per subscriber on the list](#)
2. [To a multiple or all subscribers in the list](#)



You can apply session policing to a large list of subscribers at once via the console, the command syntax is described in the section [Policing Management](#).

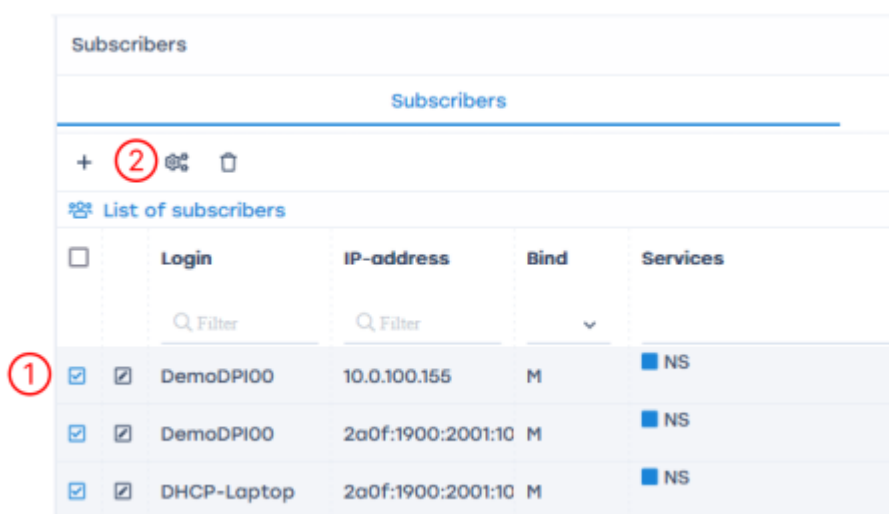
Per subscriber on the list

1. Open the profile editing window
2. Activate service 18 - Session Policings by clicking the checkbox next to it and select the desired profile
3. Save



To multiple or all subscribers in the list

1. Check the required subscribers or select the whole list using the checkbox in the table header.
2. Open the service configuration window



3. Activate service 18 - Session Policing by clicking the checkbox next to it and select the desired profile
4. Save

Profile

Services

Id	Service	Enabled	Profile
15	VIP subscriber	<input type="checkbox"/> No	
10	DDoS protection	<input type="checkbox"/> No	
8	Passed DDoS protection	<input type="checkbox"/> No	
6	Announcement	<input type="checkbox"/> No	
50	Notification	<input type="checkbox"/> No	
1	Bonus program	<input type="checkbox"/> No	
2	Advertising	<input type="checkbox"/> No	
3	Ad blocking	<input type="checkbox"/> No	
7	Caching	<input type="checkbox"/> No	
17	Traffic redirection	<input type="checkbox"/> No	
18	Session policings	<input checked="" type="checkbox"/> Yes	Test profile
12	PCAP recording	<input type="checkbox"/> No	
49	Blocking IPv6	<input type="checkbox"/> No	

Close
4 Save



In the debugging and testing mode, assigning services to a subscriber can be done in the GUI.

In industrial operation mode, it is recommended to do this with the help of billing: [by the PUSH method](#) or [with Radius](#), and use the GUI to track the settings made.