



pfSense ???????IP????BT?Emule ?????????????????BT?Emule ?????????????????port????????????????????IP? ???????

??Firewall: Aliases ??

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Firewall: Aliases: Edit

Name	test 创建自定义名称				
<small>The name of the alias may only consist of the characters a-z, A-Z and 0-9.</small>					
Description					
<small>You may enter a description here for your reference (not parsed).</small>					
Type	Host(s) 根据情况选择类型, 这里我对单一的主机进行流量限制				
Host(s)	<div style="border: 1px dashed gray; padding: 2px;"><small>Enter as many hosts as you would like. Hosts should be expressed in their ip address format.</small></div> <table border="0"> <tr> <td><small>IP</small></td> <td><small>Description</small></td> </tr> <tr> <td>192.168.0.56</td> <td>Entry added Mon, 23 Feb 2009 18:48:56 +0800</td> </tr> </table> 输入主机的IP地址	<small>IP</small>	<small>Description</small>	192.168.0.56	Entry added Mon, 23 Feb 2009 18:48:56 +0800
<small>IP</small>	<small>Description</small>				
192.168.0.56	Entry added Mon, 23 Feb 2009 18:48:56 +0800				
<input type="button" value="Save"/> <input type="button" value="Cancel"/>					

?? Firewall: Shaper: Queues ??

1?????????????????Firewall: Shaper: Queues ?====> ????????????? ?+?????????????????????????????

Firewall: Shaper: Queues: Edit

Scheduler Type	Hierarchical Fair Service Curve queuing																						
Bandwidth	1	%	<small>Choose the amount of bandwidth for this queue</small>																				
Priority	2	<small>For hfs, the range is 0 to 7. The default is 1. Hfs queues with a higher priority are preferred in the case of overload.</small>																					
Name	qPenaltyDown-0 自定义描述名	<small>Enter the name of the queue here. Do not use spaces and limit the size to 15 characters.</small>																					
Scheduler options	<input type="checkbox"/> Default queue <input type="checkbox"/> ACK/low-delay queue. At least one queue per interface should have this checked. <input checked="" type="checkbox"/> Random Early Detection <input type="checkbox"/> Random Early Detection In and Out <input checked="" type="checkbox"/> Explicit Congestion Notification <input type="checkbox"/> This is a parent queue <small>Select options for this queue</small>																						
Service Curve (sc)	<table border="0"> <tr> <td></td> <td style="text-align: center;"><small>m1</small></td> <td style="text-align: center;"><small>d</small></td> <td style="text-align: center;"><small>m2</small></td> <td>输入控制的大小</td> </tr> <tr> <td><input checked="" type="checkbox"/> Upper limit:</td> <td></td> <td></td> <td>80Kb</td> <td><small>The maximum allowed bandwidth for the queue.</small></td> </tr> <tr> <td><input checked="" type="checkbox"/> Real time:</td> <td></td> <td></td> <td>80Kb</td> <td><small>The minimum required bandwidth for the queue.</small></td> </tr> <tr> <td><input type="checkbox"/> Link share:</td> <td></td> <td></td> <td></td> <td><small>The bandwidth share of a backlogged queue - this overrides priority.</small></td> </tr> </table> <small>The format for service curve specifications is (m1, d, m2). m2 controls the bandwidth assigned to the queue. m1 and d are optional and can be used to control the initial bandwidth assignment. For the first d milliseconds the queue gets the bandwidth given as m1, afterwards the value given in m2.</small>				<small>m1</small>	<small>d</small>	<small>m2</small>	输入控制的大小	<input checked="" type="checkbox"/> Upper limit:			80Kb	<small>The maximum allowed bandwidth for the queue.</small>	<input checked="" type="checkbox"/> Real time:			80Kb	<small>The minimum required bandwidth for the queue.</small>	<input type="checkbox"/> Link share:				<small>The bandwidth share of a backlogged queue - this overrides priority.</small>
	<small>m1</small>	<small>d</small>	<small>m2</small>	输入控制的大小																			
<input checked="" type="checkbox"/> Upper limit:			80Kb	<small>The maximum allowed bandwidth for the queue.</small>																			
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<input type="checkbox"/> Link share:				<small>The bandwidth share of a backlogged queue - this overrides priority.</small>																			
Parent queue:	qlanRoot																						
<input type="button" value="Save"/> <input type="button" value="Cancel"/>																							

2??????????????

Firewall: Shaper: Queues

 The traffic shaper configuration has been changed. You must apply the changes in order for them to take effect. **Apply changes**

3?????????????????Firewall: Shaper: Queues ?==>????????????? ?+??????????????????

Firewall: Shaper: Queues: Edit

Scheduler Type	Hierarchical Fair Service Curve queuing																						
Bandwidth	1	%	Choose the amount of bandwidth for this queue																				
Priority	2	For hfsc, the range is 0 to 7. The default is 1. Hfsc queues with a higher priority are preferred in the case of overload.																					
Name	qPenaltyUp-0 Enter the name of the queue here. Do not use spaces and limit the size to 15 characters.																						
Scheduler options	<input type="checkbox"/> Default queue <input type="checkbox"/> ACK/low-delay queue. At least one queue per interface should have this checked. <input checked="" type="checkbox"/> Random Early Detection <input type="checkbox"/> Random Early Detection In and Out <input checked="" type="checkbox"/> Explicit Congestion Notification <input type="checkbox"/> This is a parent queue Select options for this queue																						
Service Curve (sc)	<table border="1"> <tr> <td></td> <td>m1</td> <td>d</td> <td>m2</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Upperlimit:</td> <td></td> <td></td> <td>50Kb</td> <td>The maximum allowed bandwidth for the queue.</td> </tr> <tr> <td><input checked="" type="checkbox"/> Real time:</td> <td></td> <td></td> <td>30Kb</td> <td>The minimum required bandwidth for the queue.</td> </tr> <tr> <td><input type="checkbox"/> Link share:</td> <td></td> <td></td> <td></td> <td>The bandwidth share of a backlogged queue - this overrides priority.</td> </tr> </table>		m1	d	m2		<input checked="" type="checkbox"/> Upperlimit:			50Kb	The maximum allowed bandwidth for the queue.	<input checked="" type="checkbox"/> Real time:			30Kb	The minimum required bandwidth for the queue.	<input type="checkbox"/> Link share:				The bandwidth share of a backlogged queue - this overrides priority.	The format for service curve specifications is (m1, d, m2). m2 controls the bandwidth assigned to the queue. m1 and d are optional and can be used to control the initial bandwidth assignment. For the first d milliseconds the queue gets the bandwidth given as m1, afterwards the value given in m2.	
	m1	d	m2																				
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Parent queue:	qwanRoot																						

Save **Cancel**

4??????????????????

Firewall: Shaper: Queues

 The traffic shaper configuration has been changed. You must apply the changes in order for them to take effect. **Apply changes**

?????????????????????2???

RED ECN	2	No	1 %	qPenaltyDown-0
RED ECN	2	No	1 %	qPenaltyUp-0

?? Firewall: Shaper: Rules ??

1?????????????Firewall: Shaper: Rules ?==> ???????????? ?+??

Firewall: Shaper: Rules: Edit

Target	Outbound Queue 13 (qPenaltyDown-0) / Inbound Queue 14 (qPenaltyUp-0)
Disabled	<input type="checkbox"/> Disable this rule Set this option to disable this rule without removing it from the list.
In Interface	WAN Choose which interface packets must pass in to match this rule.
Out Interface	LAN Choose which interface packets must pass out to match this rule.
Protocol	any Choose which IP protocol this rule should match. Hint: in most cases, you should specify TCP here.

Source	<input type="checkbox"/> not Use this option to invert the sense of the match. Type: any Address: [redacted] / 31
Source port range	from: any to: any Specify the port or port range for the source of the packet for this rule. Hint: you can leave the to field empty if you only want to filter a single port
Destination	<input type="checkbox"/> not Use this option to invert the sense of the match. Type: Single host or alias Address: test [redacted] / 31 这里填写刚刚创建的 alias
Destination port range	from: any to: any Specify the port or port range for the destination of the packet for this rule. Hint: you can leave the to field empty if you only want to filter a single port

2?????????????Firewall: Shaper: Rules ?==> ???????????? ?+??

Firewall: Shaper: Rules: Edit

Target	Outbound Queue 14 (qPenaltyUp-0) / Inbound Queue 13 (qPenaltyDown-0)
Disabled	<input type="checkbox"/> Disable this rule Set this option to disable this rule without removing it from the list.
In Interface	LAN Choose which interface packets must pass in to match this rule.
Out Interface	WAN Choose which interface packets must pass out to match this rule.
Protocol	any Choose which IP protocol this rule should match. Hint: in most cases, you should specify TCP here.

Source	<input type="checkbox"/> not Use this option to invert the sense of the match. Type: Single host or alias Address: test / 31
Source port range	from: any 31 to: any 31 Specify the port or port range for the source of the packet for this rule. Hint: you can leave the 'to' field empty if you only want to filter a single port
Destination	<input type="checkbox"/> not Use this option to invert the sense of the match. Type: any Address: test / 31
Destination port range	from: any 31 to: any 31 Specify the port or port range for the destination of the packet for this rule. Hint: you can leave the 'to' field empty if you only want to filter a single port

3????????? ?Firewall: Shaper: Rules? ???????2????

WAN->LAN	*	*	test	qPenaltyDown-0/qPenaltyUp-0	Penalty ip
LAN->WAN	*	test	*	qPenaltyUp-0/qPenaltyDown-0	Penalty ip

??IP??IP????????????IP?????????????????????Firewall: Aliases ??type????????????