



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

### ??Firewall: Aliases ??

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**Firewall: Aliases: Edit**

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

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**Firewall: Shaper: Queues: Edit**

<b>Scheduler Type</b>	Hierarchical Fair Service Curve queuing																						
<b>Bandwidth</b>	1	%	Choose the amount of bandwidth for this queue																				
<b>Priority</b>	2	For hfscc, the range is 0 to 7. The default is 1. Hfscc queues with a higher priority are preferred in the case of overload.																					
<b>Name</b>	qPenaltyDown-0 <span style="color:red">自定义描述名</span>	Enter the name of the queue here. Do not use spaces and limit the size to 15 characters.																					
<b>Scheduler options</b>	<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																						
<b>Service Curve (sc)</b>	<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>80Kb</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>80Kb</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> <p><span style="color:red">输入控制的大小</span></p> <p>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.</p>				m1	d	m2		<input checked="" type="checkbox"/> Upperlimit:			80Kb	The maximum allowed bandwidth for the queue.	<input checked="" type="checkbox"/> Real time:			80Kb	The minimum required bandwidth for the queue.	<input type="checkbox"/> Link share:				The bandwidth share of a backlogged queue - this overrides priority.
	m1	d	m2																				
<input checked="" type="checkbox"/> Upperlimit:			80Kb	The maximum allowed bandwidth for the queue.																			
<input checked="" type="checkbox"/> Real time:			80Kb	The minimum required bandwidth for the queue.																			
<input type="checkbox"/> Link share:				The bandwidth share of a backlogged queue - this overrides priority.																			
<b>Parent queue:</b>	qlanRoot																						
<input type="button" value="Save"/> <input type="button" value="Cancel"/>																							

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### Firewall: Shaper: Queues

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

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### Firewall: Shaper: Queues: Edit

<b>Scheduler Type</b>	Hierarchical Fair Service Curve queuing																						
<b>Bandwidth</b>	1	%	Choose the amount of bandwidth for this queue																				
<b>Priority</b>	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.																					
<b>Name</b>	qPenaltyUp-0 Enter the name of the queue here. Do not use spaces and limit the size to 15 characters.																						
<b>Scheduler options</b>	<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																						
<b>Service Curve (sc)</b>	<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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<input type="checkbox"/> Link share:				The bandwidth share of a backlogged queue - this overrides priority.																			
<b>Parent queue:</b>	qwanRoot																						

**Save** **Cancel**

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### Firewall: Shaper: Queues

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

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

### ?? Firewall: Shaper: Rules ??

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#### Firewall: Shaper: Rules: Edit

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

<b>Source</b>	<input type="checkbox"/> <b>not</b> Use this option to invert the sense of the match. Type: any Address: [redacted] / 31
<b>Source port range</b>	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
<b>Destination</b>	<input type="checkbox"/> <b>not</b> Use this option to invert the sense of the match. Type: Single host or alias Address: test [redacted] / 31 <span style="color: red;">这里填写刚刚创建的 alias</span>
<b>Destination port range</b>	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

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#### Firewall: Shaper: Rules: Edit

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

<b>Source</b>	<input type="checkbox"/> <b>not</b> Use this option to invert the sense of the match. Type: <span>Single host or alias</span> Address: <span>test</span> / <span>31</span>
<b>Source port range</b>	from: <span>any</span> <span>31</span> to: <span>any</span> <span>31</span> 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
<b>Destination</b>	<input type="checkbox"/> <b>not</b> Use this option to invert the sense of the match. Type: <span>any</span> Address: <span>test</span> / <span>31</span>
<b>Destination port range</b>	from: <span>any</span> <span>31</span> to: <span>any</span> <span>31</span> 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

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