



## Navigation

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## Not Learning

<p>Is traffic flowing through the border router (internal to one of the external)</p> <pre>show ip cache flow</pre> <p>or if you use Flexible Netflow (Preferred)</p> <pre>sh flow monitor MYMONITOR cache format table</pre> <p>on BR multiple time</p>	<p><b>No</b> &gt;</p>	<p>Traffic should be going from one of the internal interface to one of the external interfaces.</p>
<p><b>Yes</b></p>		
<p>Is learning enabled on the Master?</p> <pre>show oer master</pre> <p>shows learn state should not be disabled and verify the periodic and monitor timer to be same as configured.</p>	<p><b>No</b> &gt;</p>	<p>Enable learn:</p> <pre>oer master learn throughput monitor-period &lt;x&gt; periodic-interval &lt;y&gt;</pre>
<p><b>Yes</b></p>		
<p>Is learning enabled periodically on the border?</p> <pre>show oer border passive learn</pre>	<p><b>No</b> &gt;</p>	<p>Enable learn:</p> <pre>oer master learn throughput</pre>

## PfR:Troubleshooting:Learning

<p>on BR (Status should not be disabled)</p>		<pre>monitor-period &lt;x&gt; periodic-interval &lt;y&gt;</pre>
<p><b>Yes</b></p>		
<p>Is learning cache populated on the border?</p> <pre>show oer border passive cache learn traffic-class</pre> <p>on BR multiple times should not be empty</p>		
<p><b>Yes</b></p>		
<p>Is learn-list used?</p>		
<p><b>Yes</b></p>		
<p>Is throughput or delay and traffic-class configured under each learn-list?</p> <pre>show run</pre> <p>and look for throughput or delay under oer master/learn list</p>	<p><b>No</b> &gt;</p>	<p>Configuration sample:</p> <pre>pfr master policy-rules MAP learn list sequence 10 ref name MYLIST throughput traffic-class access-list MYACL</pre>
<p><b>Yes</b></p>		
<p>Has learn-list a policy assigned to it?</p> <pre>show run</pre> <p>or</p> <pre>show oer master</pre>	<p><b>No</b> &gt;</p>	<p>Configuration sample:</p> <pre>oer-map MAP 10 match oer learn list MYLIST</pre>
<p>You should have:</p> <pre>MC#show oer master ... Learn-List seq 10 MYLIST Configuration: Traffic-Class Access-list: MYACL ... Status: ACTIVE &lt;===== should be active</pre>		