Setup Event Notification

created by: Rainer Bemsel – **Version** 1.0 – **Dated:** Nov/28/2004

This is an example of setting up an event notification with PacketShaper. As a basis for this setup, I've created a custom synthetic transaction to telnet into a router and exit in periodically occurrences. This will monitor and notify me, when the router gets busy and router's internal delay reaches 5ms for responding to my transaction.

There are some links, you want to have available, when rebuilding this example. Especially measurement variables are important.

http://support.packeteer.com/documentation/packetguide/7.0.0/nav/tasks/tasks-event-notification.htm

http://support.packeteer.com/documentation/packetguide/7.0.0/reference/measurement-variables.htm

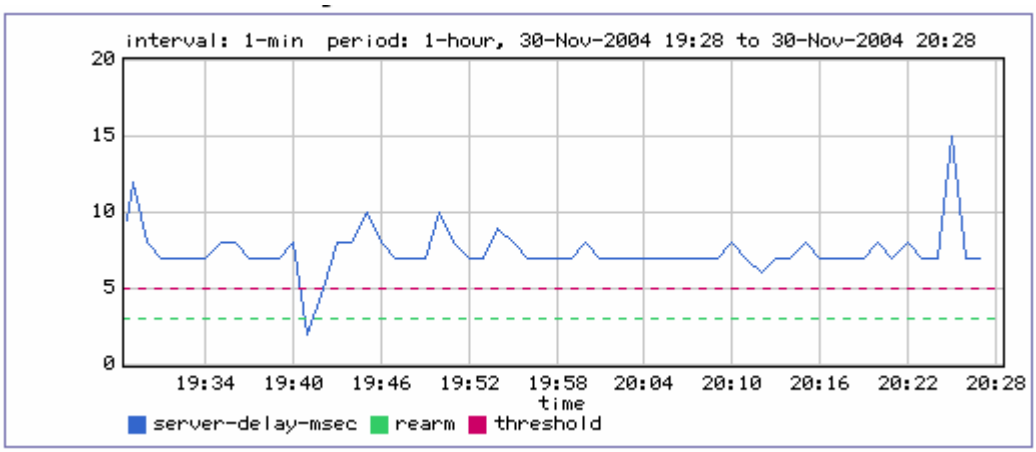
You can define a maximum of 32 events, in addition to the predefined events included with PacketWise.

```
192.168.10.152# event new
You may exit 'event new' at any time by typing 'exit'

Name of the event:  RBemsel1
Type of object to be tested: Link, Partition, or traffic Class:  (class): c
Measurement Engine variable to be tested: server-delay-msec
Default checking interval [1m,1h]  (1m): 1m
Enter a relational operator.  When you register this event later,
you will supply a threshold on 'server-delay-msec' that triggers the event.
The event can be triggered when 'server-delay-msec'
becomes  >, >=, <, or <= the threshold.
Relational operator ( >, >=, <, or <= )  (>): >=

Event 'RBemsel1 1m server-delay-msec.class>=$1' created

192.168.10.152#

192.168.10.152# event register
You may exit event registration at any time by typing 'exit'

Enter an event name:  RBemsel1
Enter the traffic class you want to test:
outbound/syntheticTransactions/192.168.10.254
Enter alarm threshold greater than or equal to 1:  5
Enter rearm value up to 4:  3
Interval on which to check this event, 1m or 1h  (1m): 1m
Send email when event occurs? (no): y
Send SNMP trap when event occurs? (no): y
Send events to SYSLOG? (no): no
Maximum event notifications per 24-hour period, or zero for no limit:  (0):
Event registration id: 1

192.168.10.152#
```

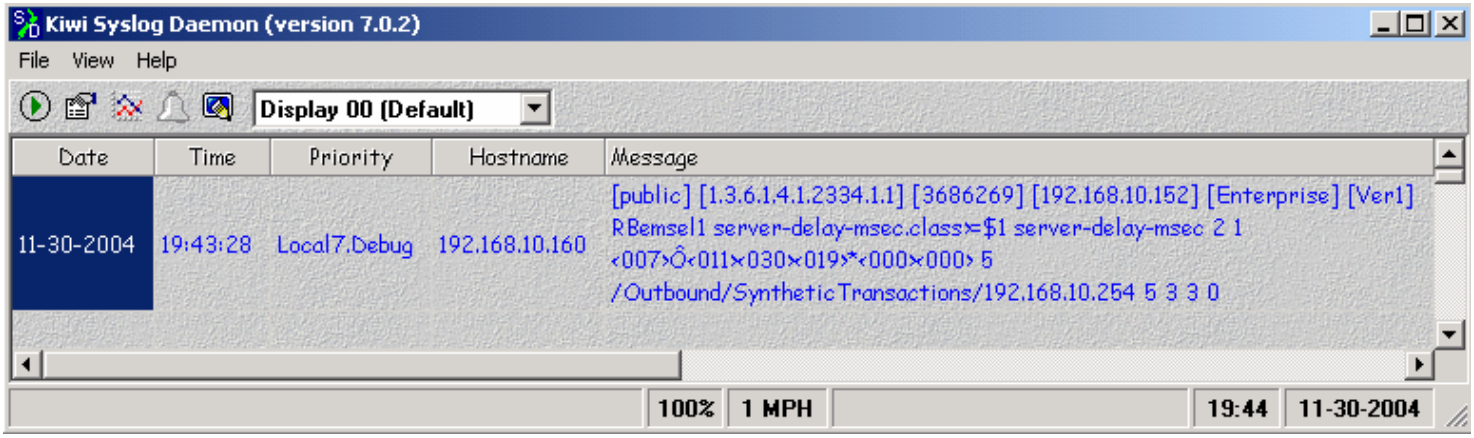
I removed the link to my router to simulate a busy router and bad network.

```
192.168.10.152#event show
Registered events:


   Id  Freq      Last Hit         Armed Trap Email Syslog Event(arguments)
    1  1m  30-Nov-2004 19:09:00     Y     Y     Y      -
RBemsel1(/Outbound/SyntheticTransactions/192.168.10.254,5,3)

192.168.10.152#
```

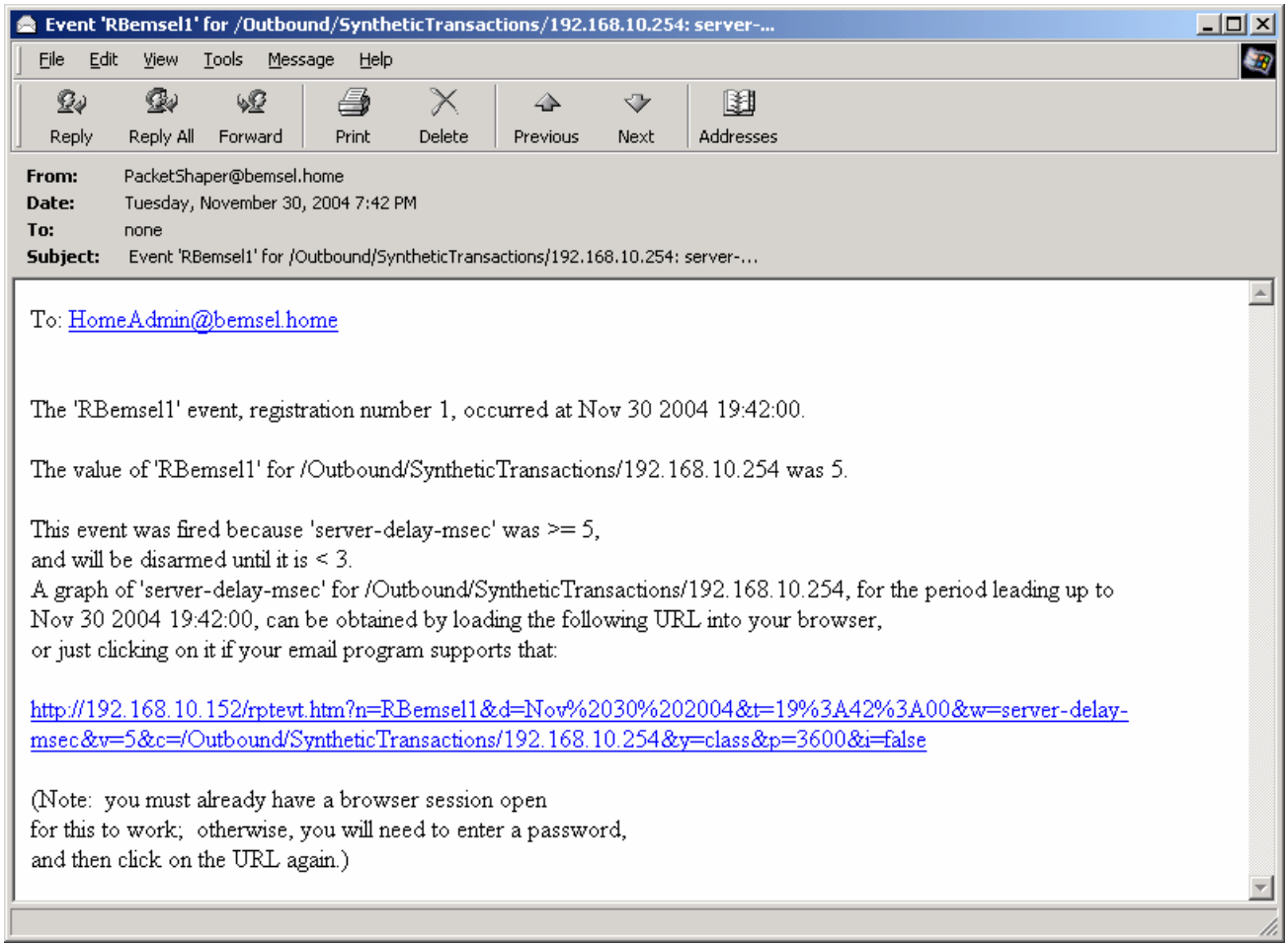
The Armed flag turns YES and my SNMP Trap Recipient gets the trap



In the example above you see the threshold and the rearm value. Meaning, I only get one notification and the event notification will be rearmed when getting back below 4ms.



I also received the email, I was setting up during event registration.



Out of the email, you have the possibility to connect to the graph of this event