



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: RBemsell
```

```
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 'RBemsell 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: RBemsell
```

```
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#
```



#### DISCLAIMER

*This Technical Tip or TechNote is provided as information only. I cannot make any guarantee, either explicit or implied, as to its accuracy to specific system installations / configurations. Readers should consult each Vendor for further information or support.*

*Although I believe the information provided in this document to be accurate at the time of writing, I reserve the right to modify, update, retract or otherwise change the information contained within for any reason and without notice. This technote has been created after studying the material and / or practical evaluation by myself. All liability for use of the information presented here remains with the user.*

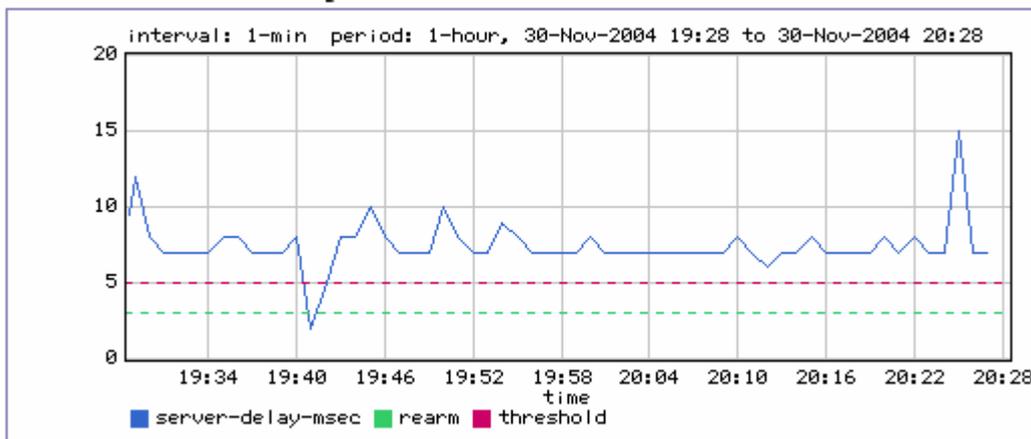
I removed the link to my router to simulate a busy router and bad network.

```
192.168.10.152#event show
Registered events:
```

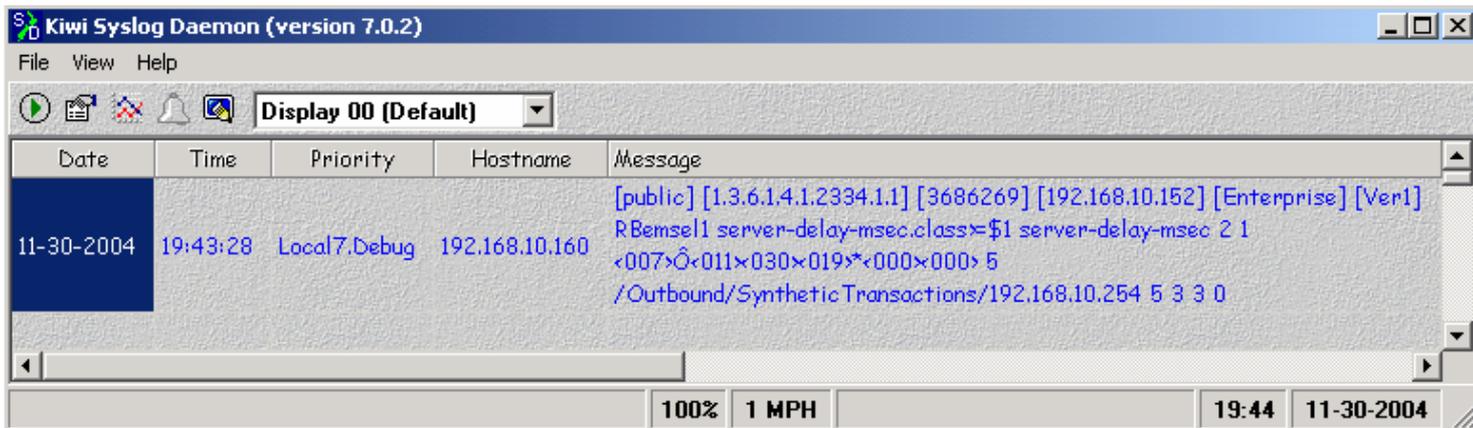
```
  Id  Freq  Last Hit      Armed Trap Email Syslog Event (arguments)
   1  1m  30-Nov-2004 19:09:00  Y    Y    Y    -
RBemsel1 (/Outbound/SyntheticTransactions/192.168.10.254,5,3)
```

```
192.168.10.152#
```

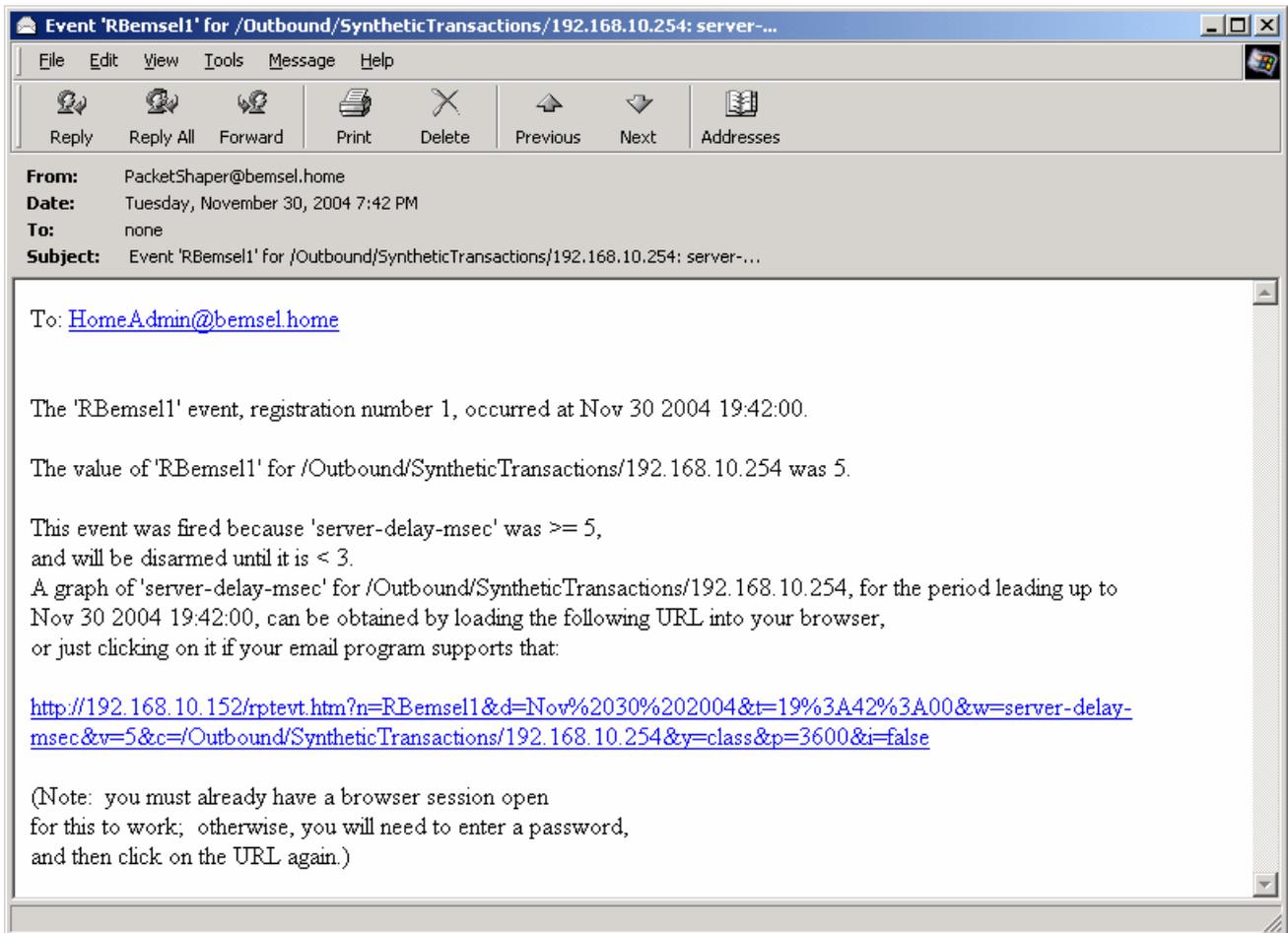
The Armed flag turns YES and my SNMP Trap Recipient gets the trap



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

