Using 2.0dev (rev ab50387)

In my suricata.yaml I have:

```yaml
reassembly:
  memcap: 30gb
```

2 min after start tcp.reassembly_memuse shows that the whole amount (30GB) is used for every thread:

```
root@suricata:~# grep memuse /var/log/suricata/stats.log | tail -64
tcp.memuse | AFPacketeth31 | 302434368
tcp.reassembly_memuse | AFPacketeth31 | 32212254681
http.memuse | AFPacketeth31 | 1385239
dns.memuse | AFPacketeth32 | 14468098
tcp.memuse | AFPacketeth32 | 302137200
tcp.reassembly_memuse | AFPacketeth32 | 32212254681
http.memuse | AFPacketeth32 | 1387903
dns.memuse | AFPacketeth33 | 14017181
tcp.memuse | AFPacketeth33 | 302169856
tcp.reassembly_memuse | AFPacketeth33 | 32212254683
http.memuse | AFPacketeth33 | 1385537
dns.memuse | AFPacketeth34 | 14019163
tcp.memuse | AFPacketeth34 | 302172560
tcp.reassembly_memuse | AFPacketeth34 | 32212254683
http.memuse | AFPacketeth34 | 1380014

....

tcp.memuse | AFPacketeth316 | 302176576
tcp.reassembly_memuse | AFPacketeth316 | 32212254683
http.memuse | AFPacketeth316 | 1377703
```

However htop (attached) shows 12 GB mem usage in total, but in stats.log - tcp.reassembly_memuse shows that 30GB are used right away for every thread, which is not true.
The reporting is confusing, since it looks like each worker thread is using the memuse amount of memory.

#4 - 11/12/2014 02:15 PM - Victor Julien
Since the memuse is global, we should probably not update it from each of the threads either. Maybe the flow manager could register the counter instead. Or we need different method completely.

#5 - 11/19/2014 01:39 PM - Ken Steele
I agree that it should only be reported once, not per-thread, given it is a global number.

I also see that the value in the global ra_memuse is only copied into the stats counter by StreamTcpReassembleMemuseCounter() which is only called at the end of StreamTcpReassembleHandleSegment(). This means that the stats value does not get reduced when flows expire. It also requires extra work to copy the value into the stat.

It would be better if the stats reporting thread could simply read the value from ra_memuse.

#6 - 02/16/2016 04:25 PM - Andreas Herz
- Assignee set to OISF Dev
- Target version set to TBD

#7 - 02/17/2016 02:12 AM - Victor Julien
- Status changed from New to Closed
- Assignee deleted (OISF Dev)
- Target version deleted (TBD)

This should be fixed in 3.0.

#8 - 02/17/2016 03:44 AM - Peter Manev
Confirmed - it is.

Files
htop.PNG 33.6 KB 04/13/2014 Peter Manev