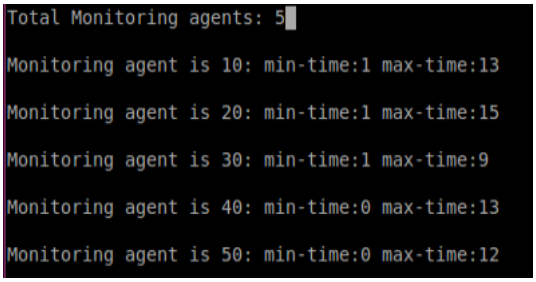
Thesis Evaluation

Tuesday, February 28, 2017 9:14 AM

Below output is for 5 Monitoring agents with 25ms poll-interval. Min-delay is 1 ms and max-delay is between 9-15ms.



On the device: 1st RUN
Configured only FP collection.
1st run 5 flows with 25ms poll interval.

On the device: 2nd RUN
Configured only FP collection.
1st run 5 flows with 25ms poll interval.

On the device: 3rd RUN also same
Configured only FP collection.
1st run 5 flows with 25ms poll interval.

NOTE: I also tried fetching flow statistics at this point and we found out that it works as expected.

On the device: 4th RUN also same (**NOTE:During this run all the loggings to file were disabled except the TCAM timer expiry logging to log the delays required for evaluation.**)
Configured only FP collection.
1st run 5 flows with 25ms poll interval.

On the device: 5th RUN also same (**NOTE:During this run all the loggings to file were disabled except the TCAM timer expiry logging to log the delays required for evaluation.**)
Configured only FP collection.
1st run 5 flows with 25ms poll interval.

Disabled even the usecs clock fro the 6th run. Still the same result

On the device: 6th RUN also same (**NOTE:During this run all the loggings to file were disabled except the TCAM timer expiry logging to log the delays required for evaluation.**)
Configured only FP collection.
1st run 5 flows with 25ms poll interval.

First 50 ms poll interval.
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On the device: 6th RUN also same (**NOTE:During this run all the loggings to file were disabled except the TCAM timer expiry logging to log the delays required for evaluation.**)
Configured only FP collection.
1st run 5 flows with 50ms poll interval.

Check 7th_run.log file for more information.
On the device: 7th RUN also same Configured only FP collection.
1 flow with 50ms poll interval.

Check 8th and 9th runs thoroughly!!!

Check 8th_run.log file for more information.
On the device: 8th RUN also same Configured only FP collection.
5 flows with 1ms poll interval.

Check 9th_run.log file for more information.
On the device: 9th RUN also same Configured only FP collection.
10 flows with 1ms poll interval.

Check 10th_run.log file for more information.
On the device: 9th RUN also same Configured only FP collection.
10 flows with 10ms poll interval.

Check 11th_run.log file for more information.
On the device: 9th RUN also same Configured only FP collection.
15 flows with 10ms poll interval.

Check 13th_run.log
17th March.
25 flows with 10ms polling interval.

Check 14th_run.log -> 5 mins run.
17th March.
25 flows with 15ms polling interval.

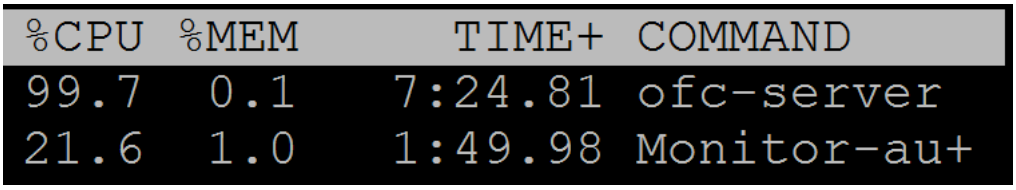
Check 15th_run.log -> 5 mins run.
17th March.
25 flows with 20ms polling interval.

Check 16th_run.log -> 3 mins run.
17th March.
25 flows with 25ms polling interval.

Check 17th_run.log -> 5 mins run.
17th March.
25 flows with 30ms polling interval.

Check 18th_run.log -> 4 mins run.
17th March.
25 flows with 35ms polling interval.

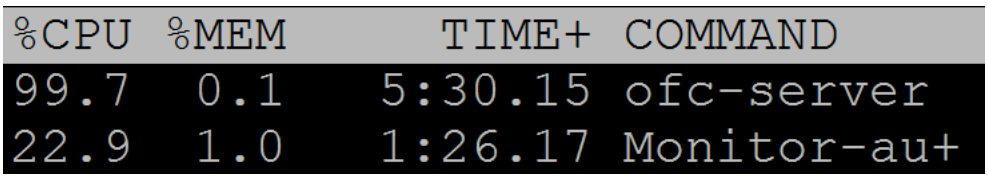
Check 19th_run.log -> 5 mins run.
17th March.
25 flows with 40ms polling interval.



%CPU	%MEM	TIME+	COMMAND
99.7	0.1	7:24.81	ofc-server
21.6	1.0	1:49.98	Monitor-au+

Screen clipping taken: 3/17/2017 7:21 PM

Check 20th_run.log -> 5 mins run.
17th March.
25 flows with 45ms polling interval.



%CPU	%MEM	TIME+	COMMAND
99.7	0.1	5:30.15	ofc-server
22.9	1.0	1:26.17	Monitor-au+

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CPU utilization remained at the same level. More or less.

Check 21st_run.log -> 5 mins run.
17th March.
25 flows with 50ms polling interval.

Check 22nd_run.log -> 5 mins run. CPU levels same as in the snapshot more or less.
17th March.
25 flows with 60ms polling interval.

Check 23rd_run.log -> 5 mins run.
17th March.

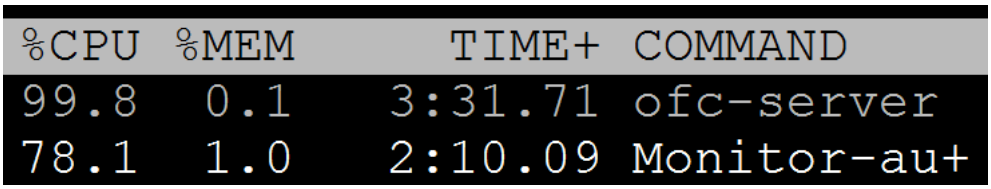
25 flows with 70ms polling interval.

Check 24th_run.log -> 2 mins run.
17th March.
25 flows with 80ms polling interval.

Check 25th_run.log -> 2 mins run.
17th March.
25 flows with 90ms polling interval.

Check 26th_run.log -> 2 mins run.
17th March.
25 flows with 100ms polling interval.

Check 27th_run.log -> 3 mins approx
10flow with 1 ms polling interval.



%CPU	%MEM	TIME+	COMMAND
99.8	0.1	3:31.71	ofc-server
78.1	1.0	2:10.09	Monitor-au+

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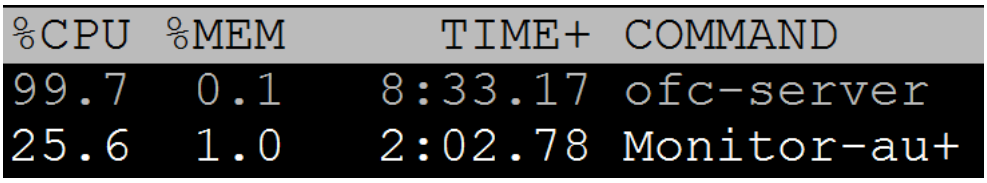
Check 28th_run.log -> 3 mins approx
10flow with 10 ms polling interval.



%CPU	%MEM	TIME+	COMMAND
99.7	0.1	8:33.17	ofc-server
25.6	1.0	2:02.78	Monitor-au+

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Check 29th_run.log -> 2 mins approx
15 flows with 1ms polling interval.

%CPU	%MEM	TIME+	COMMAND
105.0	1.0	3:07.02	Monitor-au+
100.0	0.1	4:35.23	ofc-server

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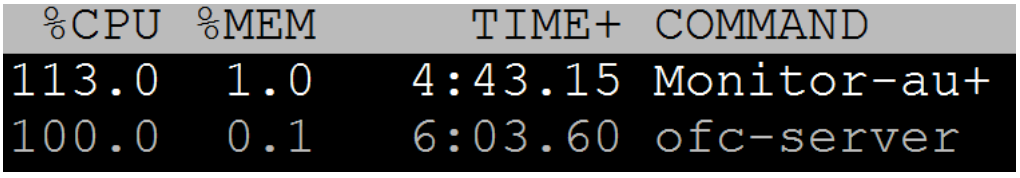
Check 30th_run.log -> 3 mins approx
25 flows with 1ms polling interval.



%CPU	%MEM	TIME+	COMMAND
113.0	1.0	4:43.15	Monitor-au+
100.0	0.1	6:03.60	ofc-server

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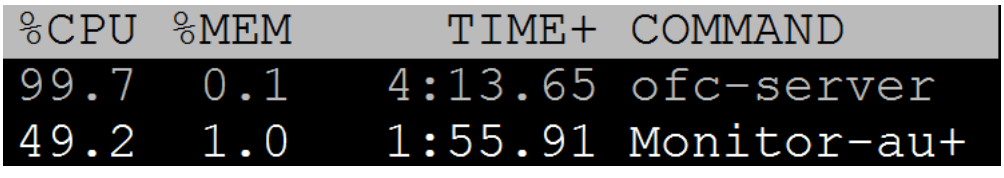
Check 31st_run.log -> 3 mins
49 flows 10ms



%CPU	%MEM	TIME+	COMMAND
99.7	0.1	4:13.65	ofc-server
49.2	1.0	1:55.91	Monitor-au+

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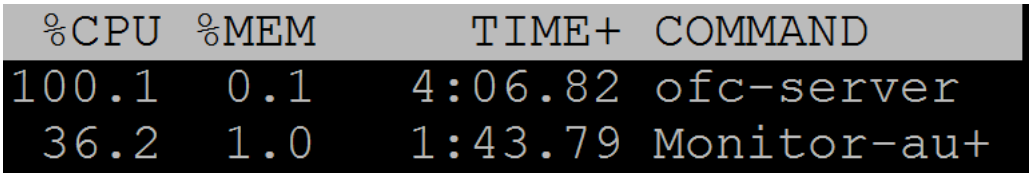
Check 32nd_run.log approx 3 mins
50 flows 20ms



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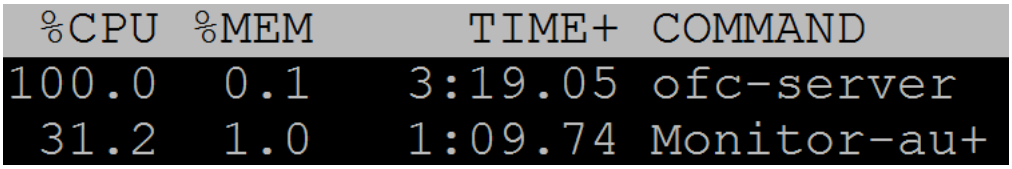
Check 33rd_run.log approx 3 mins
50 flows 30ms



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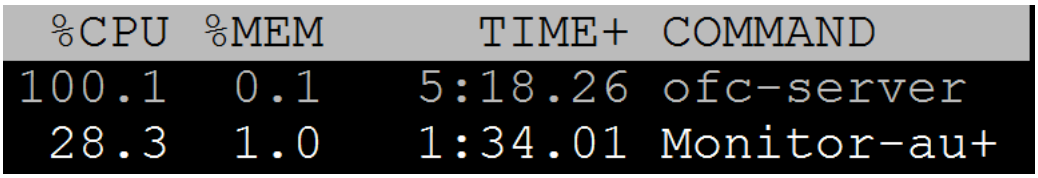
Check 34th_run.log approx 3 mins
50 flows 40ms



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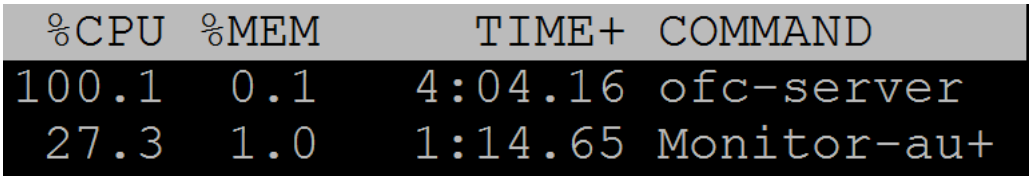
Check 35th_run.log approx 3 mins
50 flows 50ms



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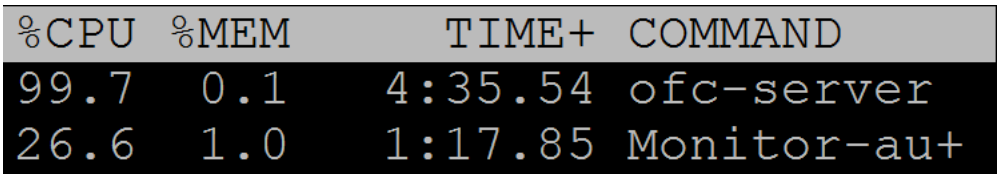
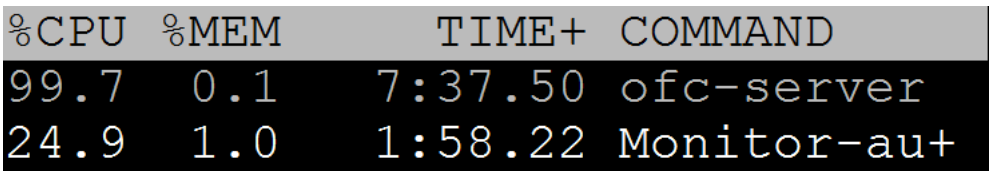
Check 36th_run.log approx 3 mins
50 flows 60ms



Screen clipping taken: 3/18/2017 4:03 PM

Check 37th_run.log approx 3 mins
50 flows 70ms



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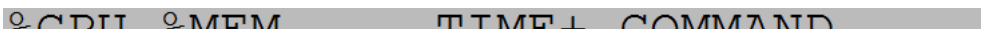
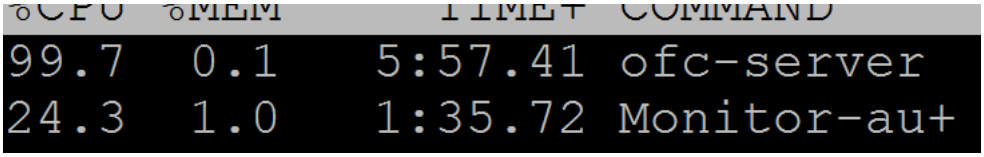
Check 38th_run.log approximately 3 mins
50 flows 80ms





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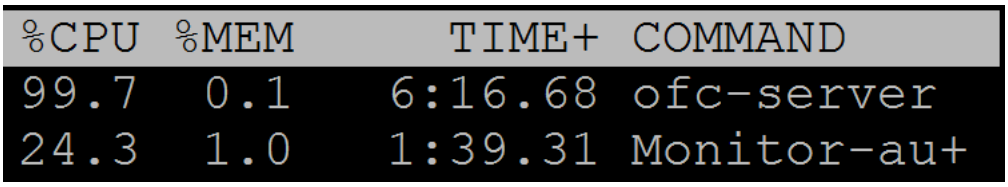
Check 39th_run.log approximately 3 mins -> TO be done.
50 flows 90ms



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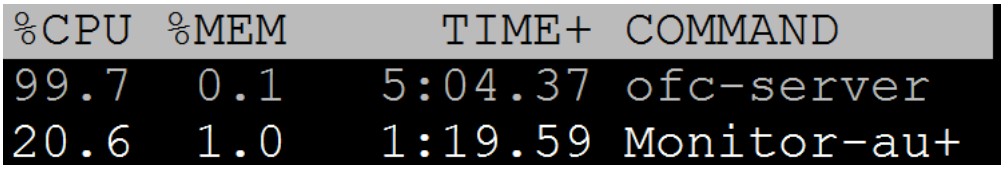
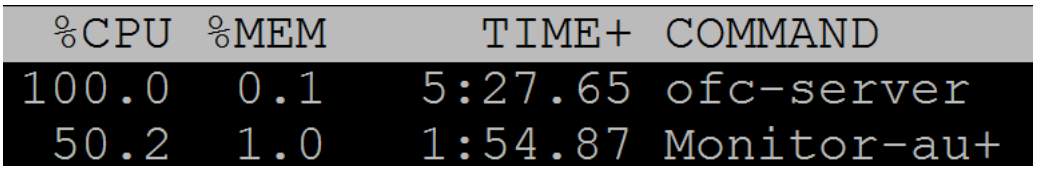
Check 40th_run.log approximately 3 mins.
50 flows 100ms



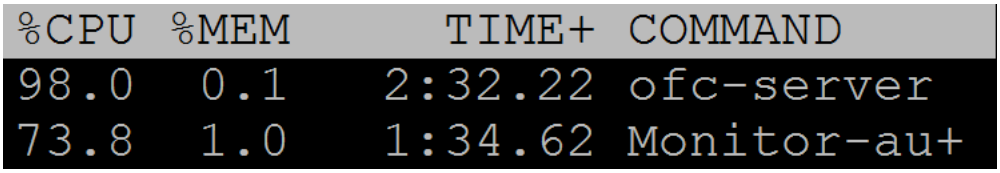
Screen clipping taken: 3/18/2017 5:28 PM

Check 41st_run.log approximately 3 mins .
5 flows 1ms



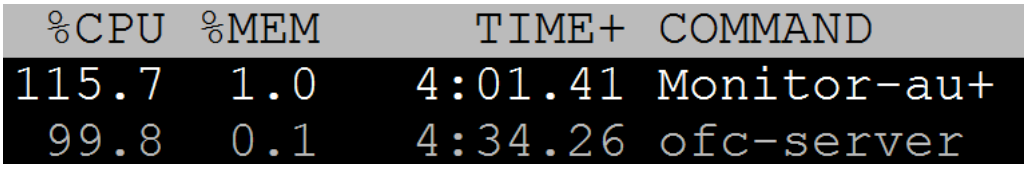
Screen clipping taken: 3/18/2017 5:40 PM

Check 42nd_run.log approximately 3 mins .
10 flows 1ms



Screen clipping taken: 3/18/2017 5:44 PM

Check 43rd_run.log approximately 3 mins .
20 flows 1ms



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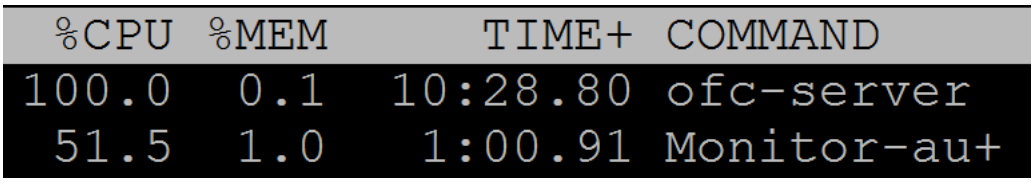
44th_run.log -> 20 flows 1msec.

45th_run.log -> 5 flows 1 msec.



%CPU	%MEM	TIME+	COMMAND
100.0	0.1	10:28.80	ofc-server
51.5	1.0	1:00.91	Monitor-au+

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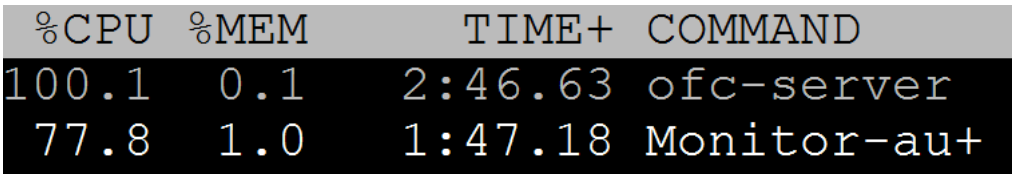
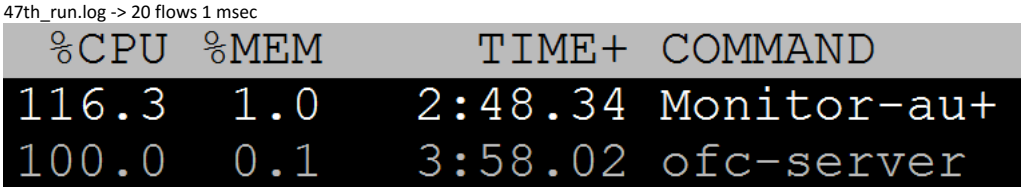
46th_run.log -> 10 flows 1 msec



%CPU	%MEM	TIME+	COMMAND
100.1	0.1	2:46.63	ofc-server
77.8	1.0	1:47.18	Monitor-au+

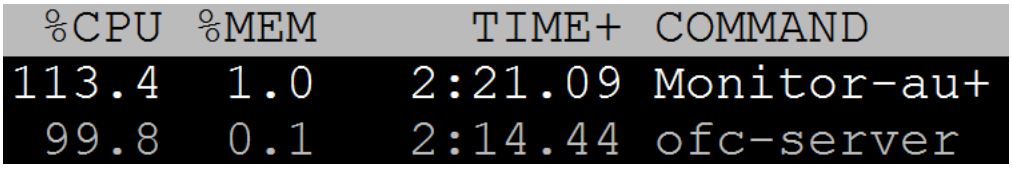
47th_run.log -> 20 flows 1 msec



%CPU	%MEM	TIME+	COMMAND
116.3	1.0	2:48.34	Monitor-au+
100.0	0.1	3:58.02	ofc-server

Screen clipping taken: 3/20/2017 12:15 AM

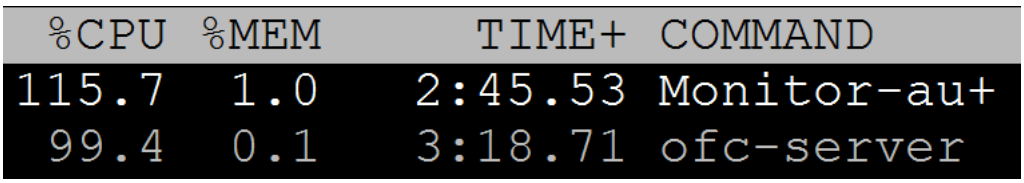
48th_run.log -> 25 flows 1msec.



%CPU	%MEM	TIME+	COMMAND
113.4	1.0	2:21.09	Monitor-au+
99.8	0.1	2:14.44	ofc-server

Screen clipping taken: 3/20/2017 12:31 AM

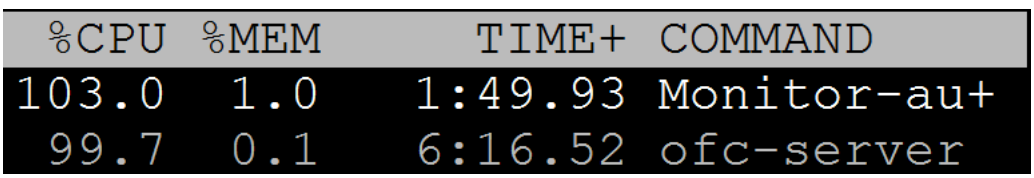
49th_run.log -> 50 flows 1msec.



%CPU	%MEM	TIME+	COMMAND
115.7	1.0	2:45.53	Monitor-au+
99.4	0.1	3:18.71	ofc-server

Screen clipping taken: 3/20/2017 12:31 AM

50th_run.log -> 15 flows - 1msec



%CPU	%MEM	TIME+	COMMAND
103.0	1.0	1:49.93	Monitor-au+
99.7	0.1	6:16.52	ofc-server

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51st_run.log -> 20 flows - 1msec.

CPU Utilization is same as in the previous run.

52nd_run.log -> 20 flows - 1msec 4th run.(start_time changed to curr-time now).