CPU AND MONITORING USAGE BY ALL APPLICATIONS:

We run all the apps and start monitoring scripts for the CPU, Memory, and the internet at the same time. Then we started using the apps for the specific session after the session.

First of all, we noted the process name of all applications and started multiple Scripts against the Process names to monitor all Applications.

So, we passed the Process name to the Python Scripts to Monitor all the Processes with these Specific names.

after this, we opened the Software and started the python scripts, we use this software for a session that includes opened software with no activity for a few minutes, then started the meeting and active the background blur and stopped the python scripts, and collected the CSV Data files to perform further analysis.

Comparison on the basis SUM of All Computation:

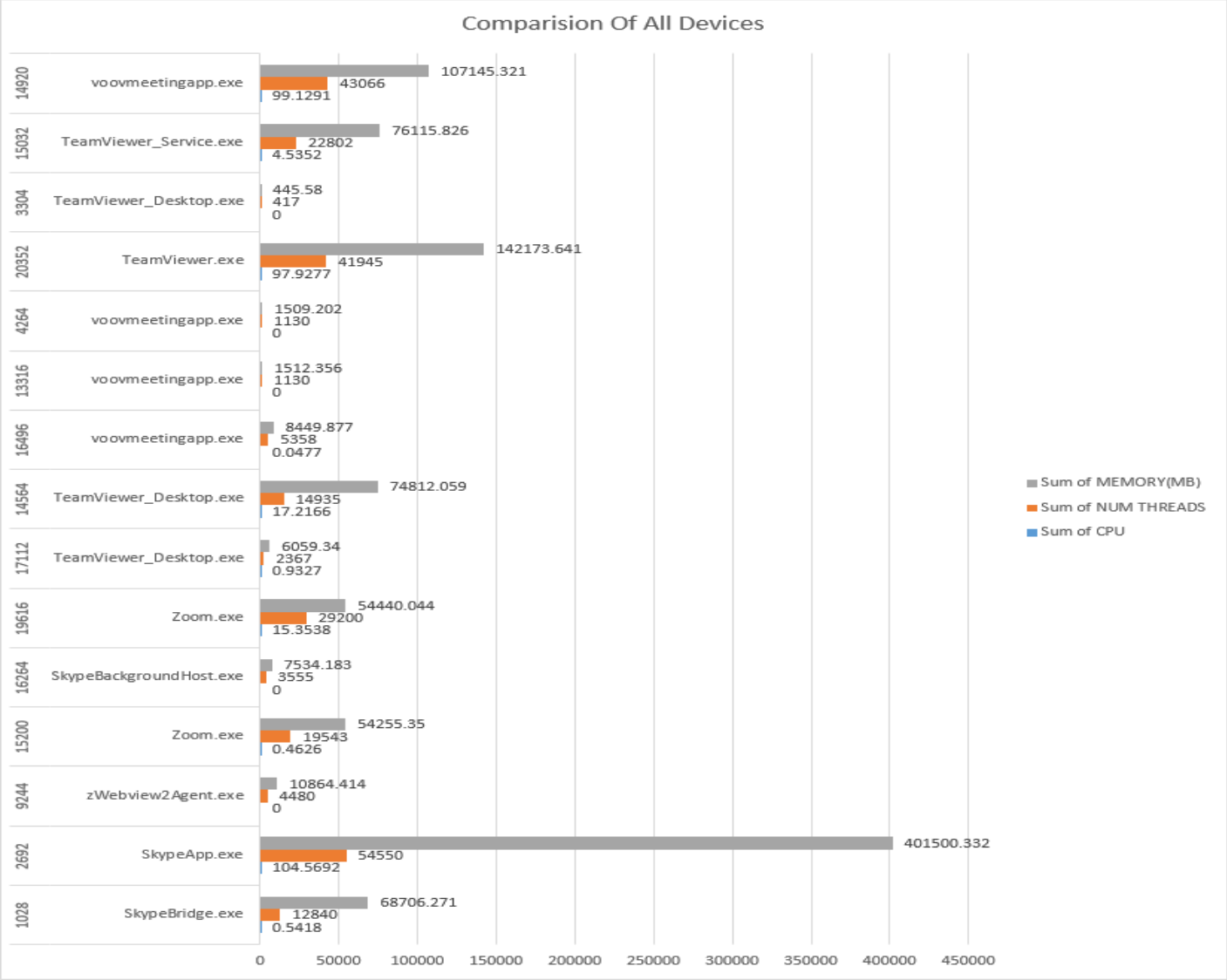
In this graph, we sorted of all processes based on total resource Consumption Of the Process. From this Graph, we can Analyze that the Processes and their Pid that are Consuming maximum Resources are the main Process of the Software and the Processes that are Consuming less Computational power are the processes that are used to provide functionality to the Software.

i.e., Pid 2692 name Skype.exe is the main Process of the Software while the **Pid 1028 name SkypeBridge.exe** And the **Pid 16264 SkypeBackground.exe** are Processes that help the Software to execute specific Functionalities.

This is the same for the all-other application, in addition we analyze the total resource usage by a Specific Process id During the sessions. Further if we run all of the software at once how much computation power is used in the specific Session i.e., for this Specific session is shown in this graph and table.

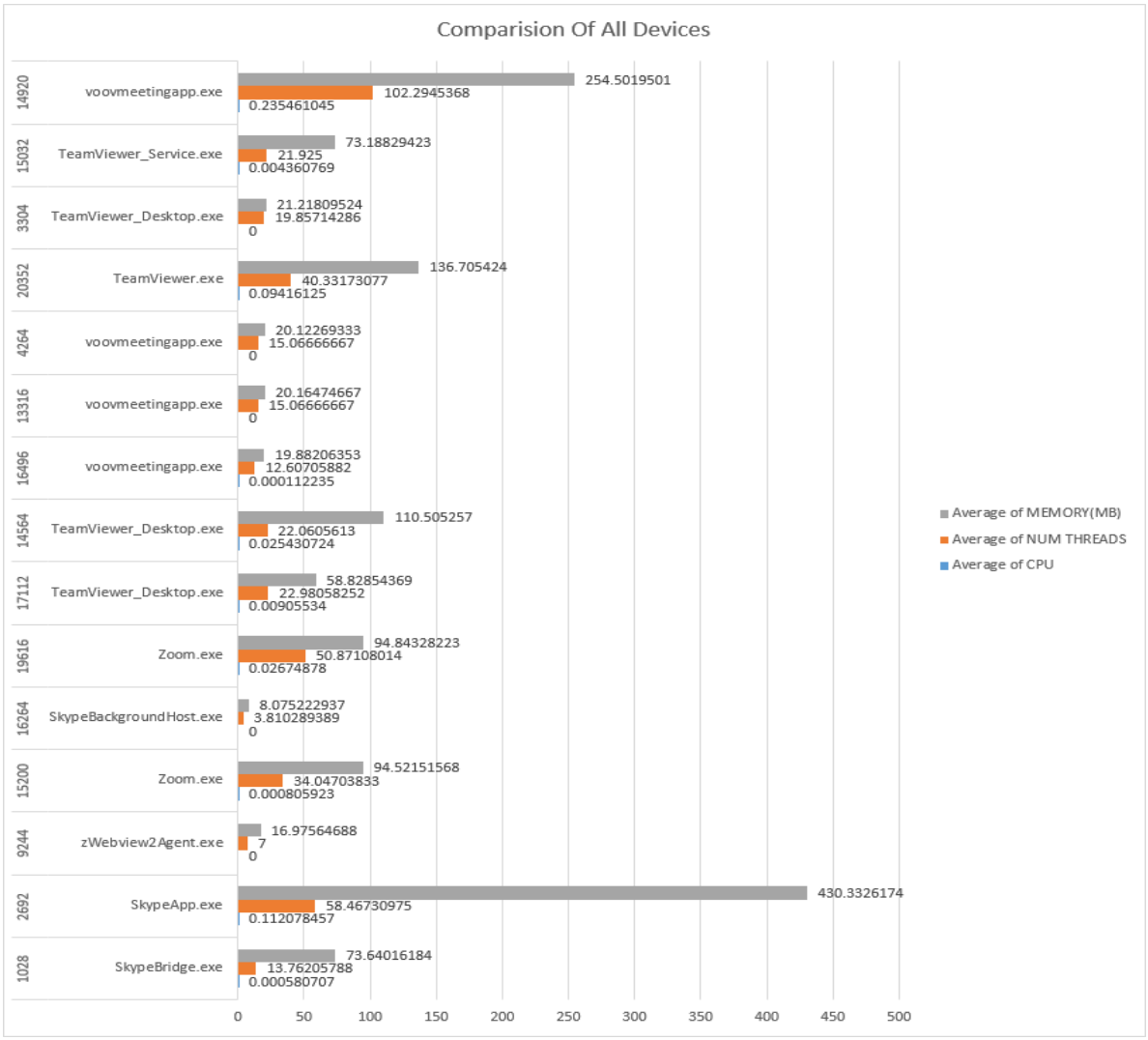
Row Labels	Sum of CPU	Sum of NUM THREADS	Sum of MEMORY(MB)
1028	**0.5418**	**12840**	**68706.271**
SkypeBridge.exe	0.5418	12840	68706.271
2692	**104.5692**	**54550**	**401500.332**
SkypeApp.exe	104.5692	54550	401500.332
9244	**0**	**4480**	**10864.414**
zWebview2Agent.exe	0	4480	10864.414
15200	**0.4626**	**19543**	**54255.35**
Zoom.exe	0.4626	19543	54255.35
16264	**0**	**3555**	**7534.183**
SkypeBackgroundHost.exe	0	3555	7534.183
19616	**15.3538**	**29200**	**54440.044**
Zoom.exe	15.3538	29200	54440.044
17112	**0.9327**	**2367**	**6059.34**
TeamViewer_Desktop.exe	0.9327	2367	6059.34
14564	**17.2166**	**14935**	**74812.059**
TeamViewer_Desktop.exe	17.2166	14935	74812.059

16496	**0.0477**	**5358**	**8449.877**
voovmeetingapp.exe	0.0477	5358	8449.877
13316	**0**	**1130**	**1512.356**
voovmeetingapp.exe	0	1130	1512.356
4264	**0**	**1130**	**1509.202**
voovmeetingapp.exe	0	1130	1509.202
20352	**97.9277**	**41945**	**142173.641**
TeamViewer.exe	97.9277	41945	142173.641
3304	**0**	**417**	**445.58**
TeamViewer_Desktop.exe	0	417	445.58
15032	**4.5352**	**22802**	**76115.826**
TeamViewer_Service.exe	4.5352	22802	76115.826
14920	**99.1291**	**43066**	**107145.321**
voovmeetingapp.exe	99.1291	43066	107145.321
Grand Total	**340.7164**	**257318**	**1015523.796**



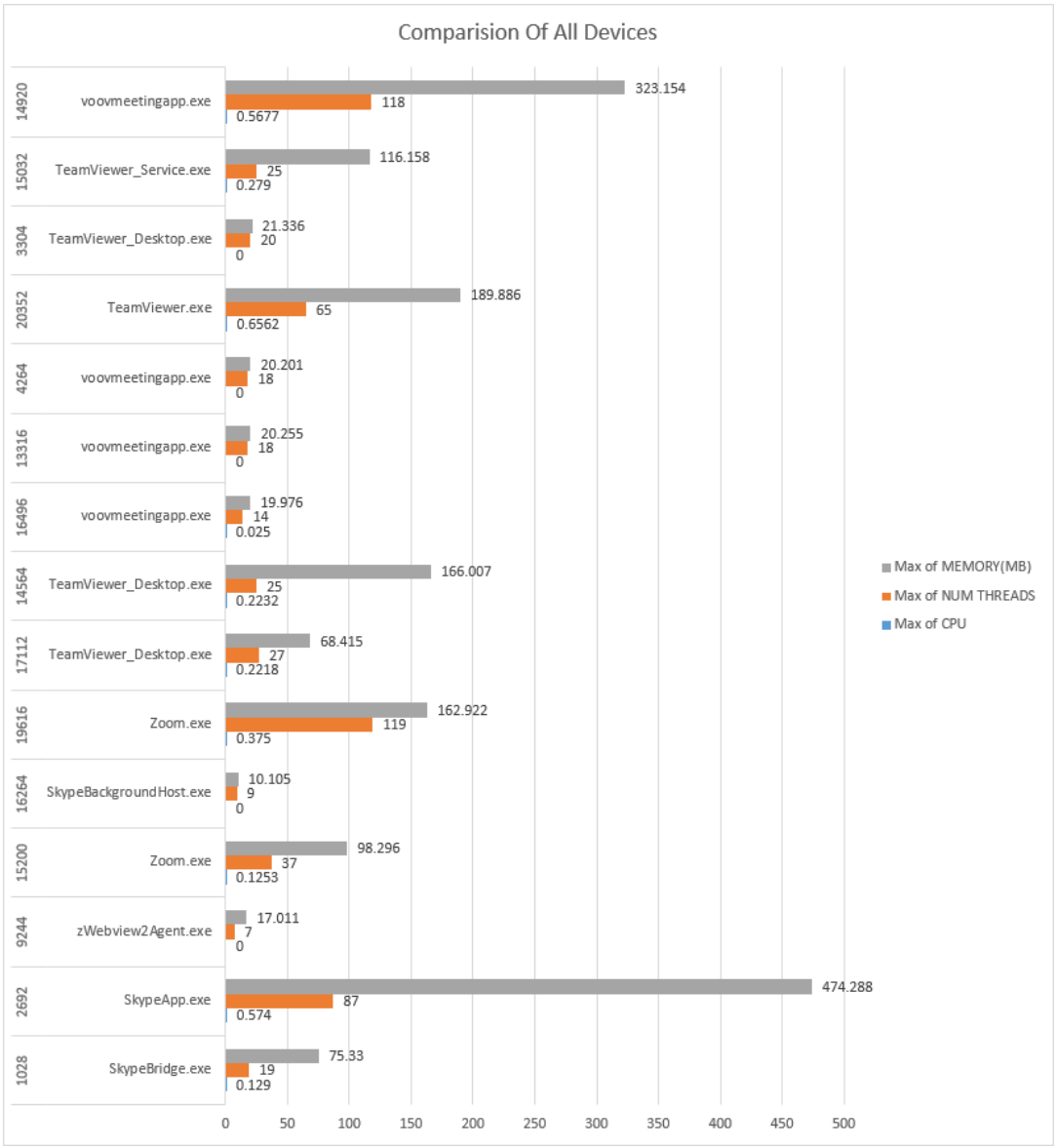
Comparison on the basis Average of Computational resource usage:

In this graph we sorted the of all processes on the basis of average of the resource usage Of the Process. From this Graph we can Analyze that the Processes and their Pid that how much Computational Power is be required software on average to executes the Software and perform the desired functionality.



Comparison on the basis Maximums Computational resource usage:

In this graph we sorted the of all processes on the basis of maximum computational resource usage Of the Process. From the Graph below, we can Analyze that the Processes and their Pid that how much Computational Power is required by the processes to executes the Software during load and perform the desired functionality.


Comparision Of All Devices
14920
voovmeetingapp.exe
323.154
118
0.5677
15032
TeamViewer_Service.exe
116.158
25
0.279
3304
TeamViewer_Desktop.exe
21.336
20
0
20352
TeamViewer.exe
189.886
65
0.6562
4264
voovmeetingapp.exe
20.201
18
0
13316
voovmeetingapp.exe
20.255
18
0
16496
voovmeetingapp.exe
19.976
14
0.025
14564
TeamViewer_Desktop.exe
166.007
25
0.2232
17112
TeamViewer_Desktop.exe
68.415
27
0.2218
19616
Zoom.exe
162.922
119
0.375
16264
SkypeBackgroundHost.exe
10.105
9
0
15200
Zoom.exe
98.296
37
0.1253
9244
zWebview2Agent.exe
17.011
7
0
2692
SkypeApp.exe
474.288
87
0.574
1028
SkypeBridge.exe
75.33
19
0.129
0
50
100
150
200
250
300
350
400
450
500
Max of MEMORY(MB)
Max of NUM THREADS
Max of CPU