KASIM ADEWALE SOLIU KAS20505831

Speedup over System 1 for various workloads, measuring the relative performance of the various systems
When compared to system 1, system 2 is 2.0 times faster.
In comparison to system 1, system 3 is 3.5 times faster.
SYSTEM 4: Speeds up by 4.6 "366 percent" compared to system 1.
In comparison to system 1, system 5 is 8.0 "700%" faster.

the price of encoding video for each milestone using each technology, as well as the total price. All defined resolutions must be encoded according to the EPL. To fulfil the criteria of the contract, you can purchase as many instances of a system as necessary.

FOR 12 WEEKS

System	720p hour	Encoding time in hours	1080p hours	Encoding time in hours	2160p hour	Encoding time in hours	Overall cost
1	£7,000	32835	£ 14,000	33205	£ 21,000	33505	£ 42,000
2	£5,250	32855	£ 10,500	33235	£ 18,000	33525	£ 33,000
3	£15,000	32905	£ 30,000	33245	£ 55,000	33535	£ 100,000
4	£14,350	32945	£ 28,750	33315	£ 47,500	33555	£ 91,000
5	£18,500	33000	£ 37,500	33332	£ 75,000	33631	£131,000

FOR 24 WEEKS

System	720p hour	Encoding time in hours	1080p hour	Encoding time in hours	2160p hour	Encoding time in hours	Overall cost
1	£11,000	34904	£ 22,000	35313	£33,000	35313	£ 66,000
2	£10,500	34935	£ 21,000	35155	£ 31,500	35428	£ 62,000
3	£30,000	34955	£ 60,000	35205	£ 90,000	35448	£ 180,000
4	£28,750	35015	£ 56,000	35235	£ 85,450	35518	£ 171,000
5	£37,500	35043	£ 75,000	35312	£ 111,700	35545	£234,200

FOR 1 YEAR

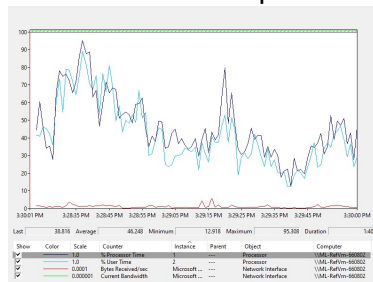| System	720p hour	Encoding time in hours	1080p hour	Encoding time in hours	2160p hour	Encoding time in hours	Overall cost
1	£21,000	33837	£ 42,000	34200	£63,000	34431	£ 126,000
2	£18,000	33900	£ 36,000	34230	£ 54,000	34505	£ 108,000
3	£55,000	33920	£ 110,000	34250	£ 165,000	34535	£ 330,000
4	£47,500	33945	£ 96,000	34300	£ 145,000	34545	£ 228,500
5	£75,000	34016	£ 150,000	34339	£ 225	34610	£450,000

A recommendation on the best system provider to use for system purchases based on the contract's delivery costs.

We considered both the cost and the time based on the aforementioned tables.
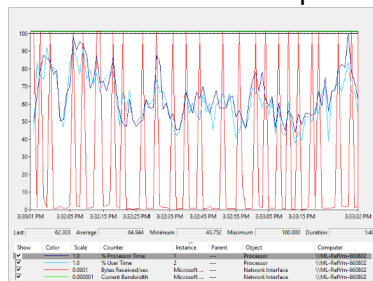
I advise purchasing two of System 5 because it is the most affordable alternative, will ensure we reach the deadline, and will provide a backup in the event of failure. Purchasing two of this system will cost £450,000. If we combine two almost all of the other systems, we can fulfil the requirements, but the price will be greater. Based on overall time spent encoding, which is half the time needed, we will benefit from ending the task earlier, be able to easily fulfil the first two milestones, and have enough time to perform any necessary maintenance in the event of a failure.

Utilizing Windows Performance Monitor to examine the test video's full-screen streaming at each resolution
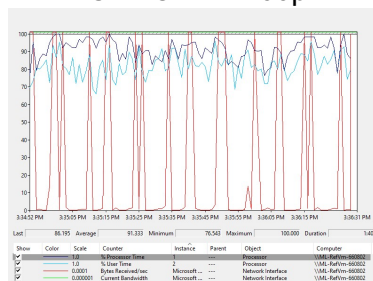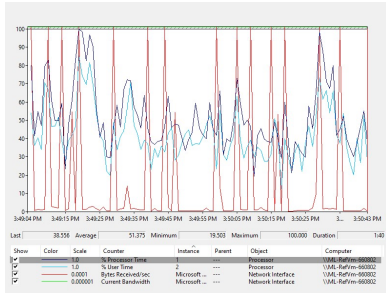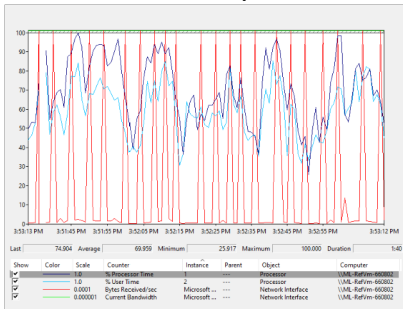
CHROME 720p
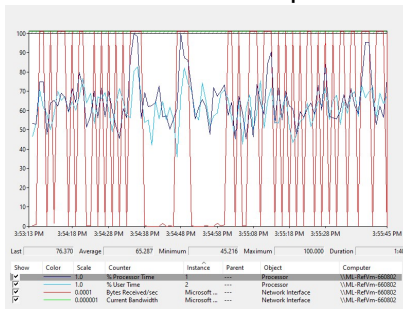

CHROME 1080p

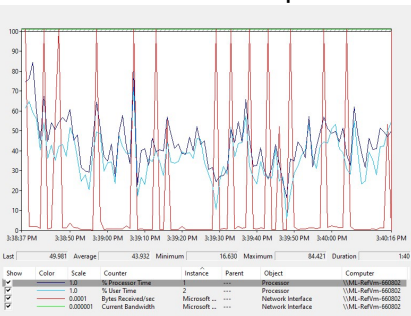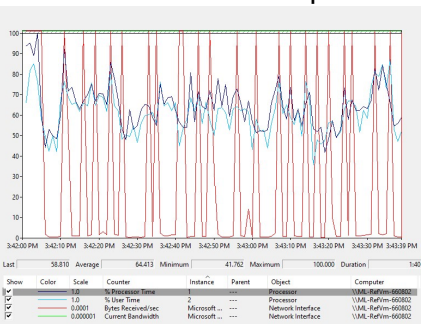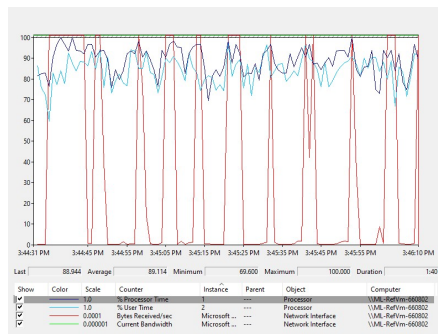CHROME 2160p

EDGE 720p

EDGE 1080p

EDGE 2160p

FIREFOX 720p

FIREFOX 1080p

FIREFOX 2160p

A recommendation on which browser the EPL should recommend to their fans.

I will highly recommend you should use CROME for your browser