

Kafka test setup (kafkaDelay3Full)

Technology: Kafka Streams

Producer Delay (Send next message): 3ms

Full data set (qty): 8760

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 0.083

Kafka standard deviation

End Subtract Start: 0.04822385587262407

Lower Bound: -0.05725649912472153

UpperBound: 0.23208663611102293

Number of data in the std range: 8695

Number of data outside the std range: 65

Kafka interquartile range

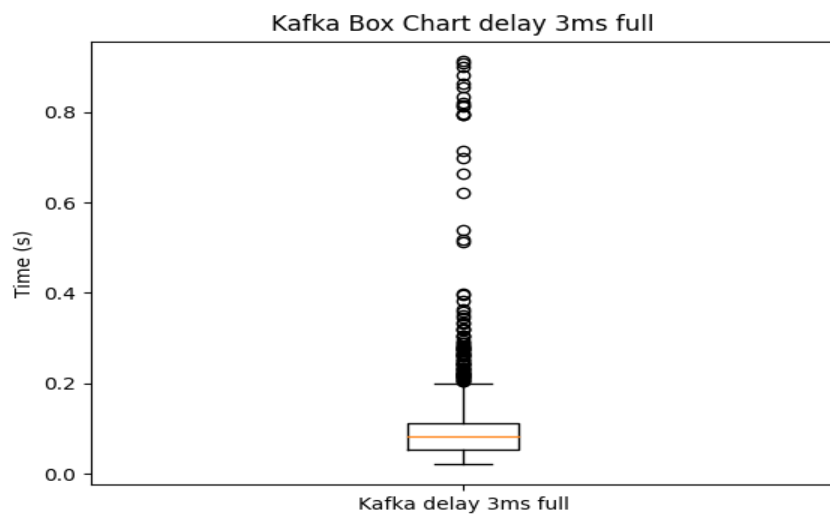
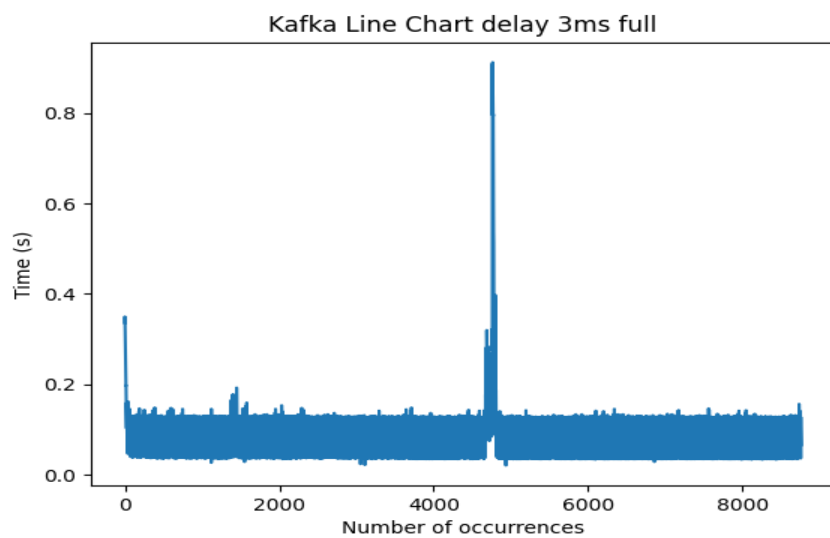
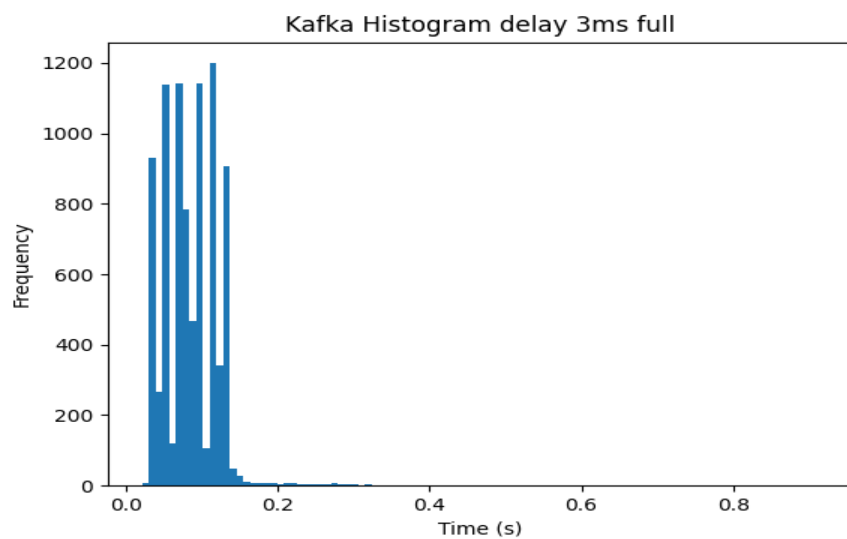
End Subtract Start: 0.059000000000000004

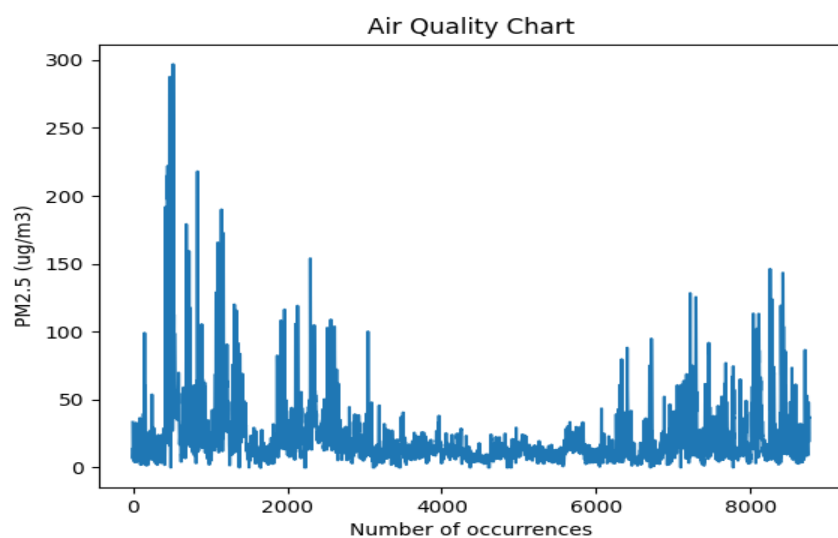
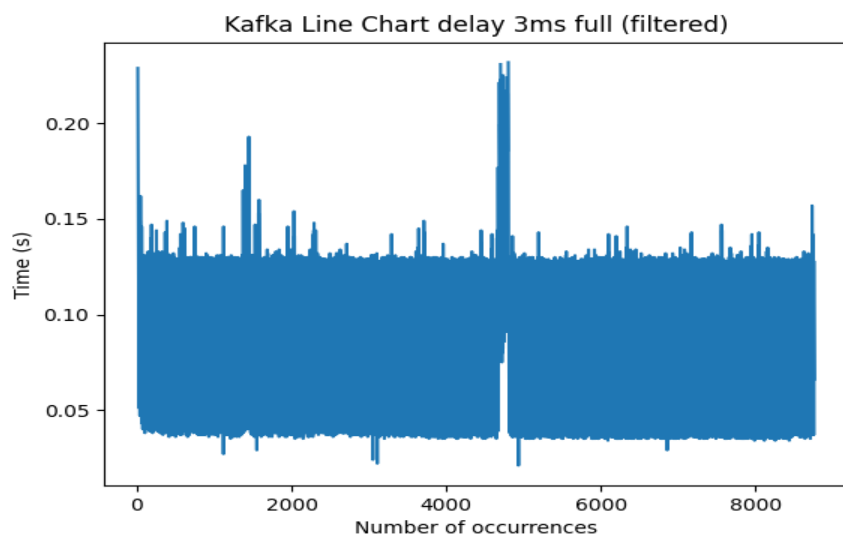
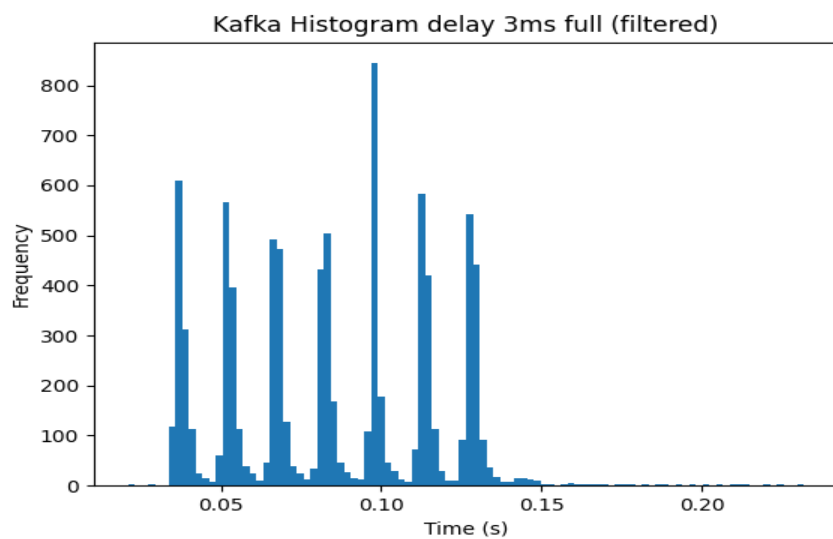
Kafka mean

End Subtract Start: 0.0874150684931507

Average time for each sample

0.0874150684931507





Kafka test setup (kafkaDelay0Full)

Technology: Kafka Streams

Producer Delay (Send next message): 0ms

Full data set (qty): 8760

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 7.997

Kafka standard deviation

End Subtract Start: 0.92574137300078

Lower Bound: 5.160406017983961

Upper Bound: 10.71485425598864

Number of data in the std range: 8760

Number of data outside the std range: 0

Kafka interquartile range

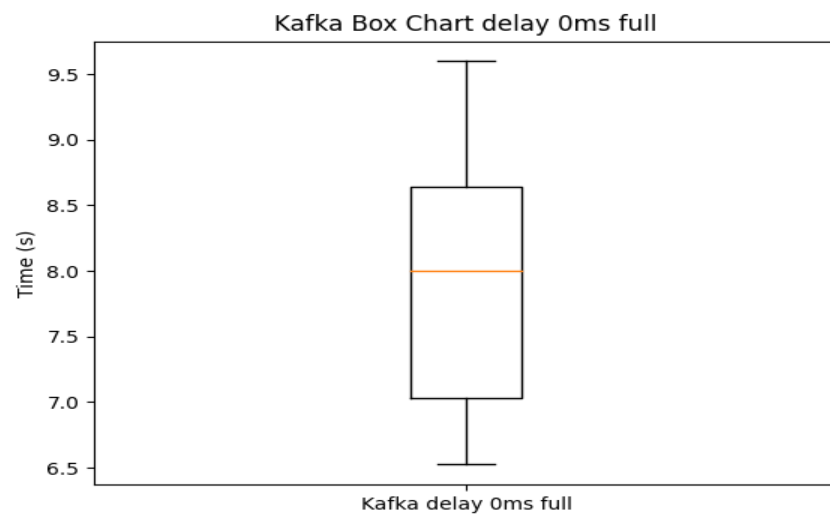
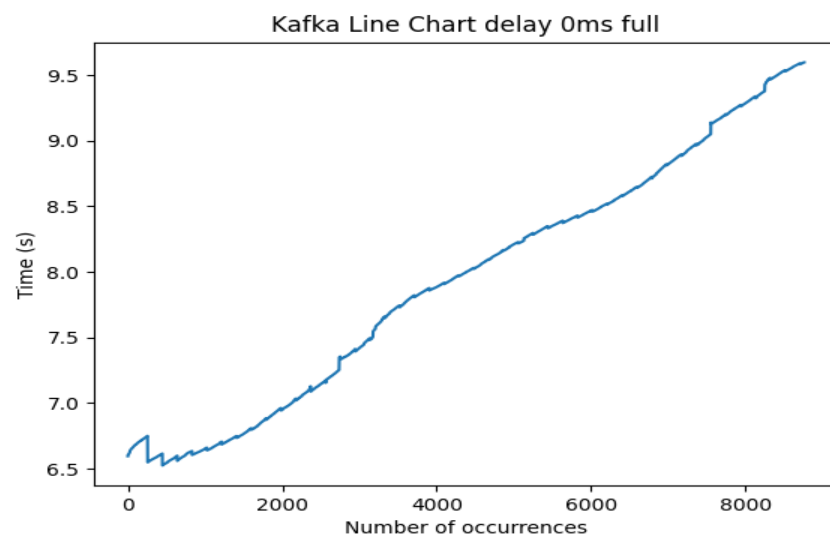
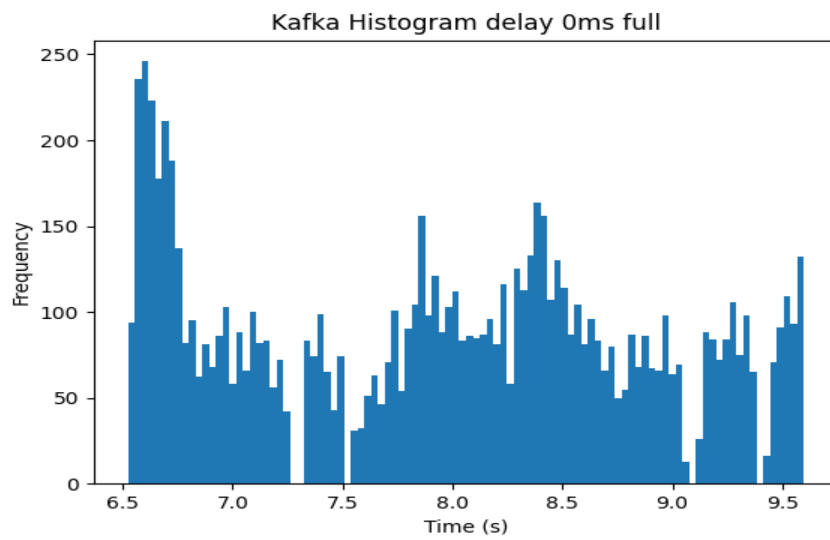
End Subtract Start: 1.6109999999999998

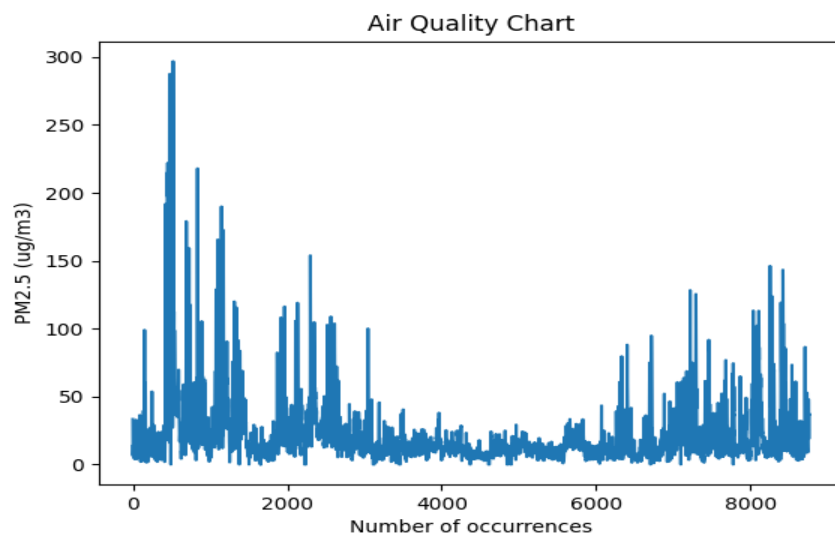
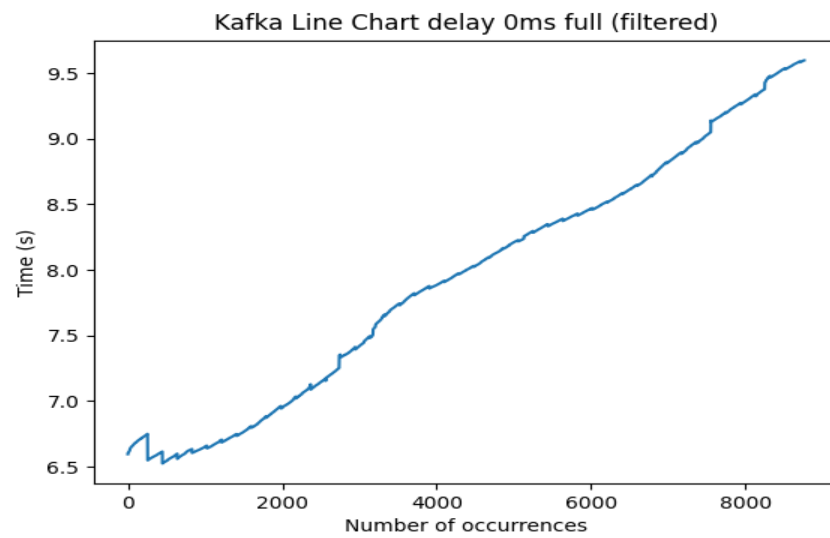
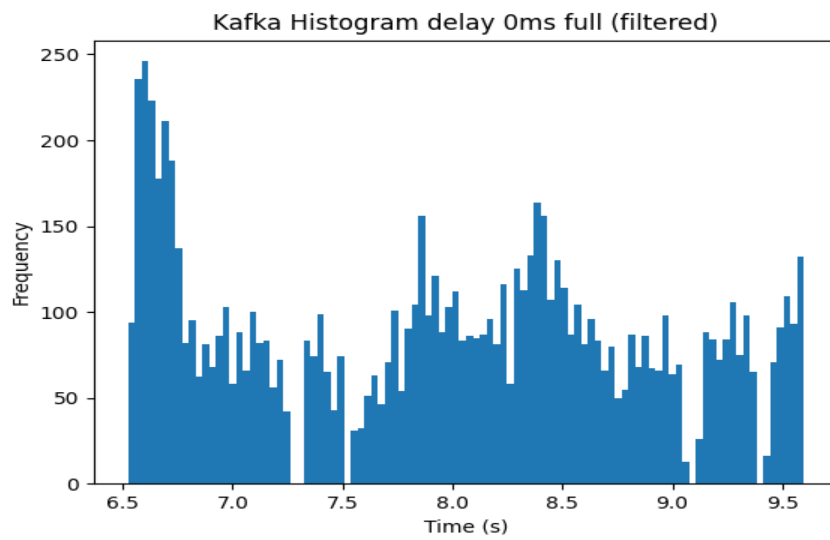
Kafka mean

End Subtract Start: 7.937630136986301

Average time for each sample

7.937630136986301





Kafka test setup (kafkaDelay0Half)

Technology: Kafka Streams

Producer Delay (Send next message): 0ms

Full data set (qty): 4380

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 1.285

Kafka standard deviation

End Subtract Start: 0.38016735772099947

Lower Bound: 0.22026048391462694

Upper Bound: 2.501264630240624

Number of data in the std range: 4380

Number of data outside the std range: 0

Kafka interquartile range

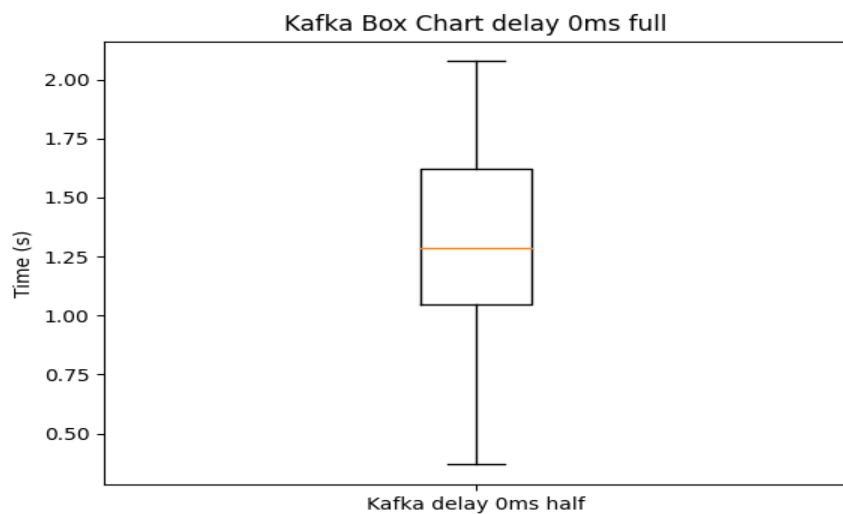
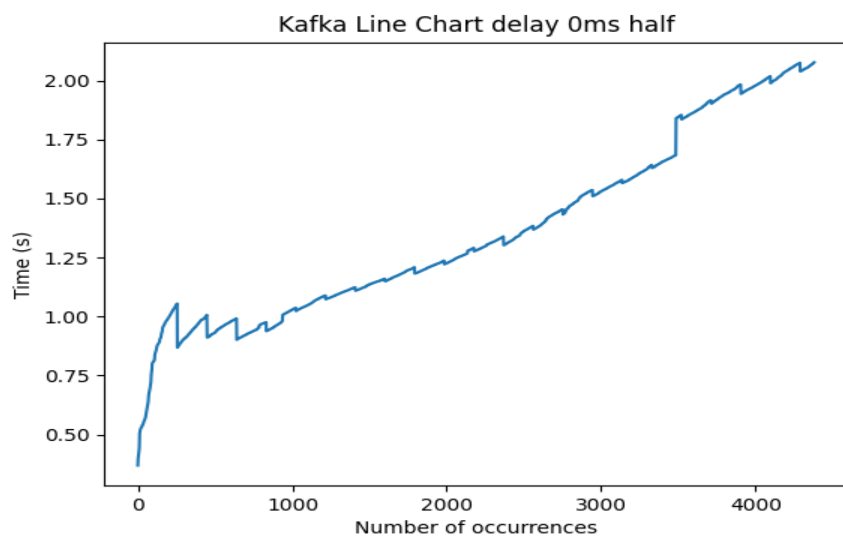
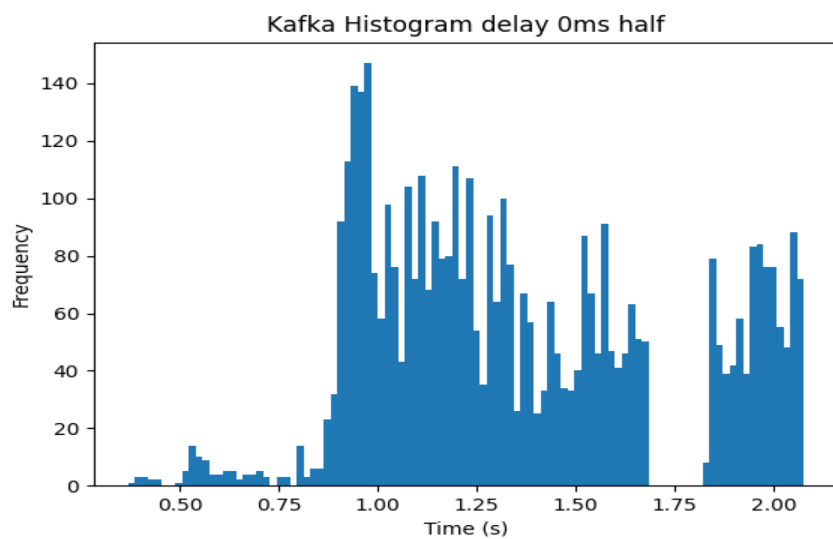
End Subtract Start: 0.5714999999999999

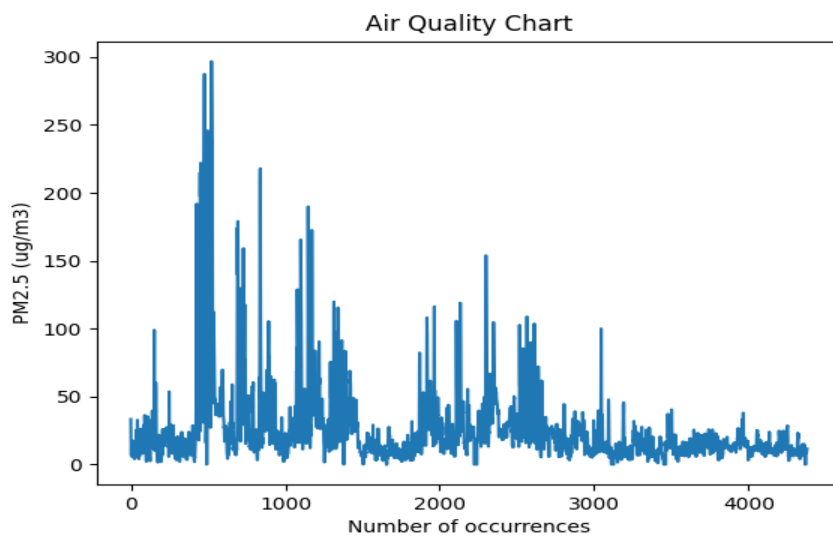
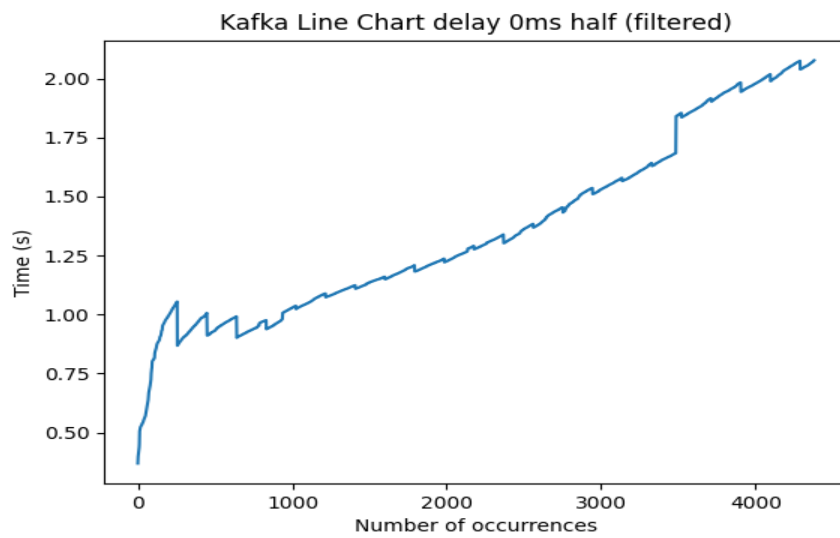
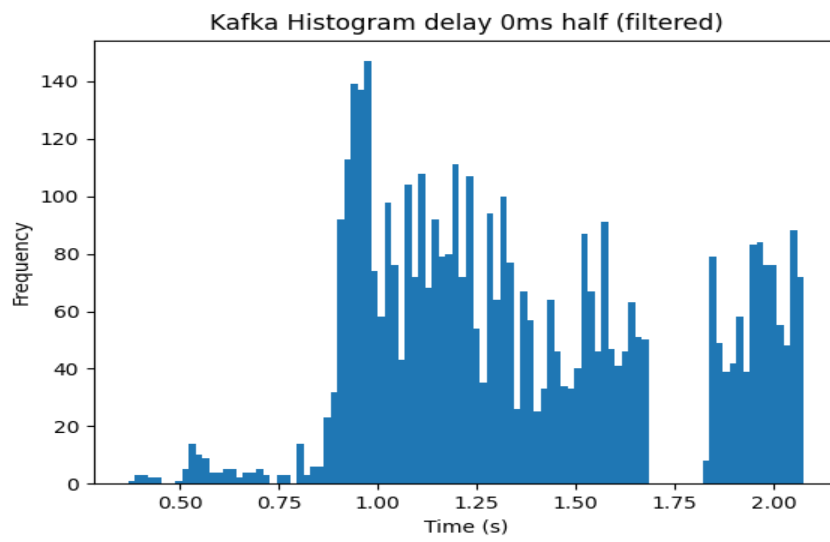
Kafka mean

End Subtract Start: 1.3607625570776254

Average time for each sample

1.3607625570776254





Spark test setup (sparkDelay3Full)

Technology: Spark Structured Streaming

Producer Delay (Send next message): 3ms

Full data set (qty): 8760

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 0.708

Spark standard deviation

End Subtract Start: 0.29284020476938516

Lower Bound: -0.144683970472539

Upper Bound: 1.612357258143772

Number of data in the std range: 8636

Number of data outside the std range: 124

Spark interquartile range

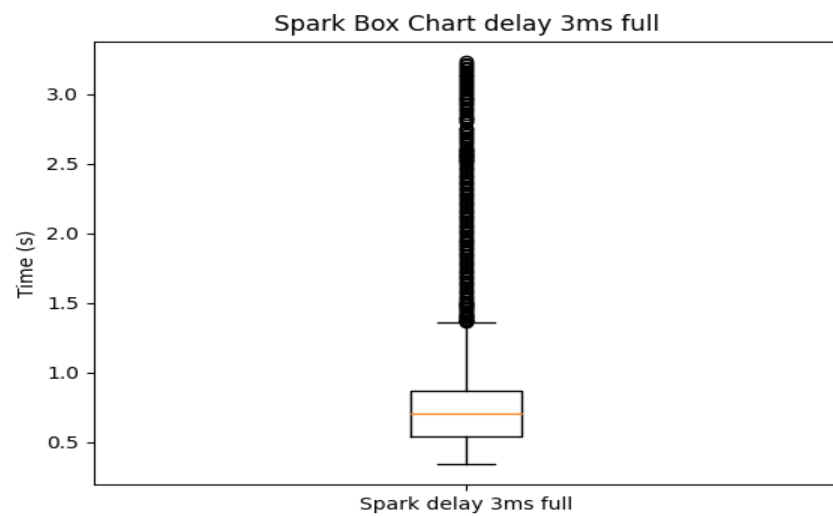
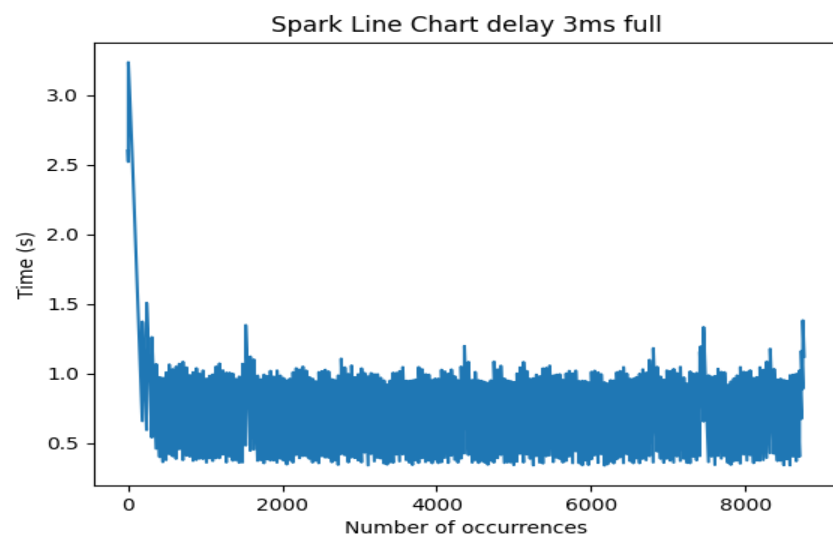
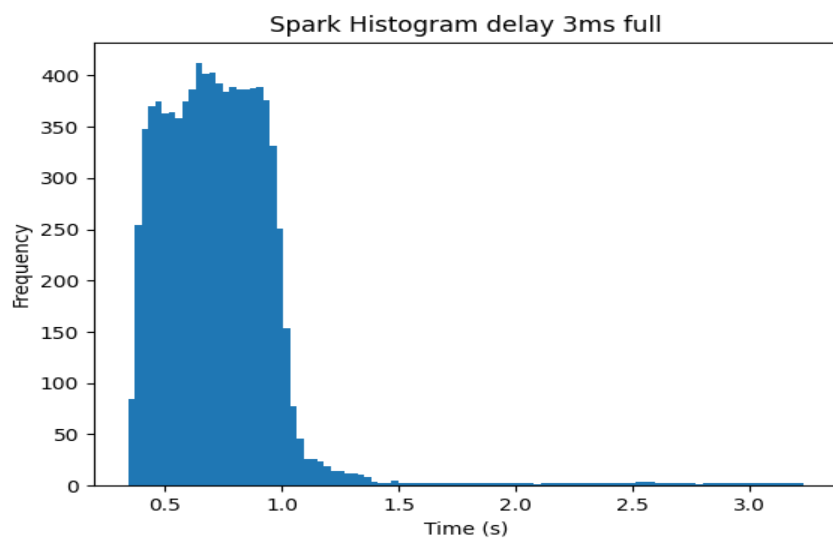
End Subtract Start: 0.32799999999999996

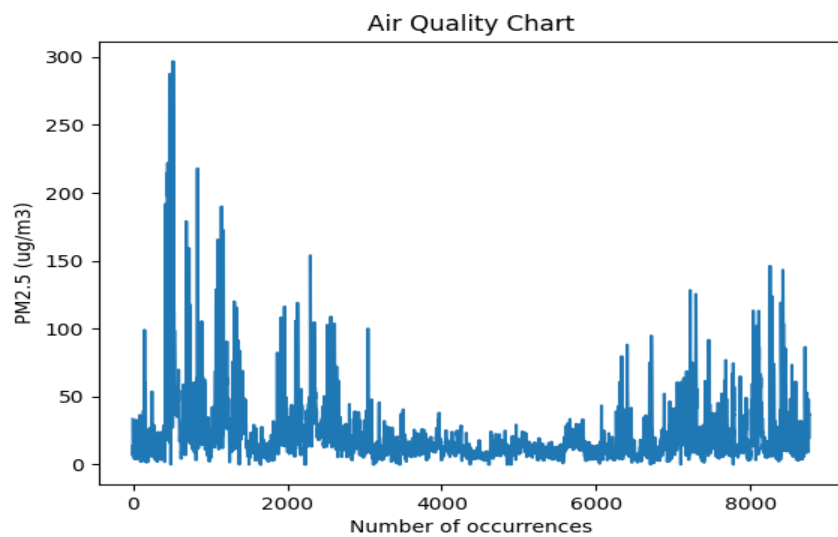
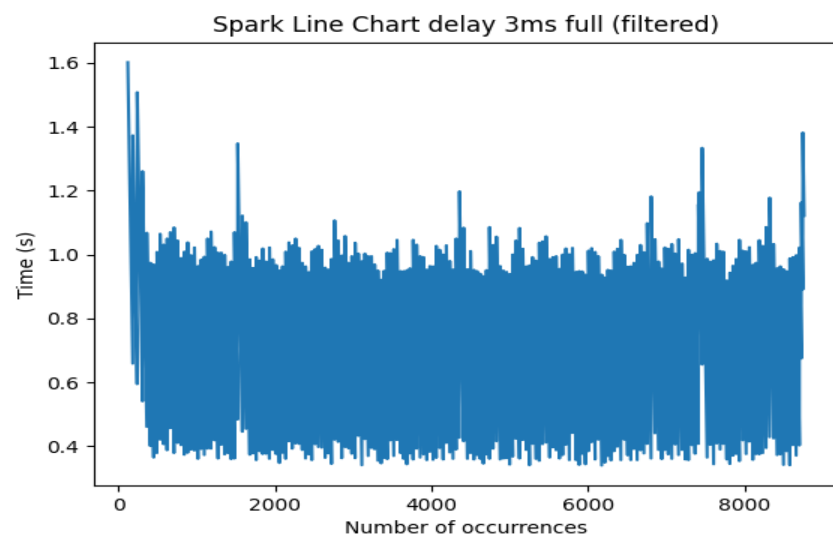
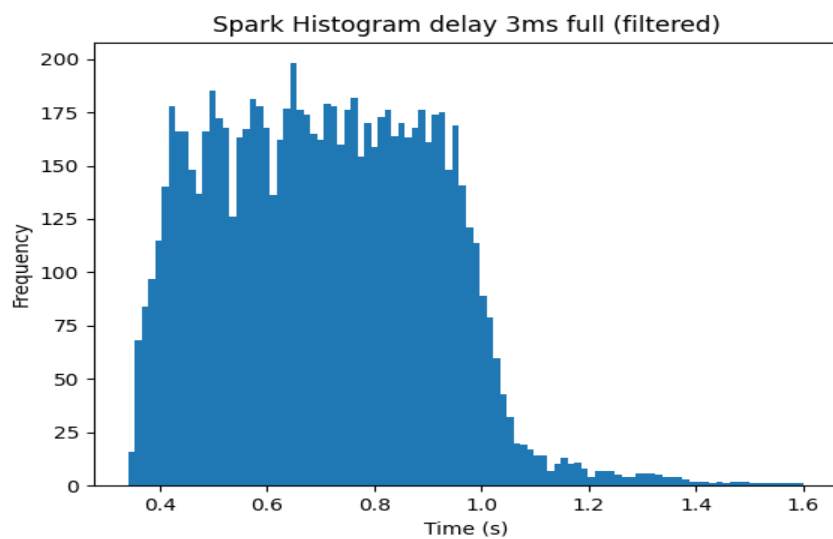
Spark mean

End Subtract Start: 0.7338366438356164

Average time for each sample

0.7338366438356164





Spark test setup (sparkDelay0Full)

Technology: Spark Structured Streaming

Producer Delay (Send next message): 0ms

Full data set (qty): 8760

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 6.537

Spark standard deviation

End Subtract Start: 0.8253937742250684

Lower Bound: 4.0233572617996805

Upper Bound: 8.97571990715009

Number of data in the std range: 8760

Number of data outside the std range: 0

Spark interquartile range

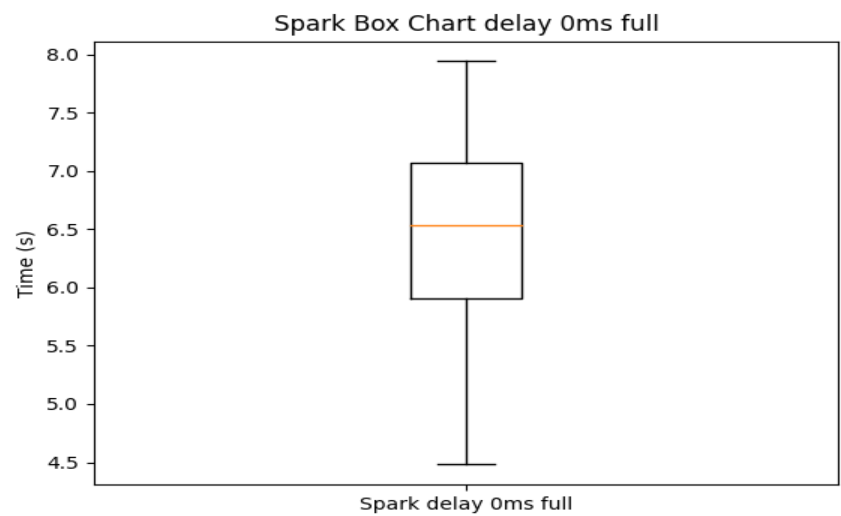
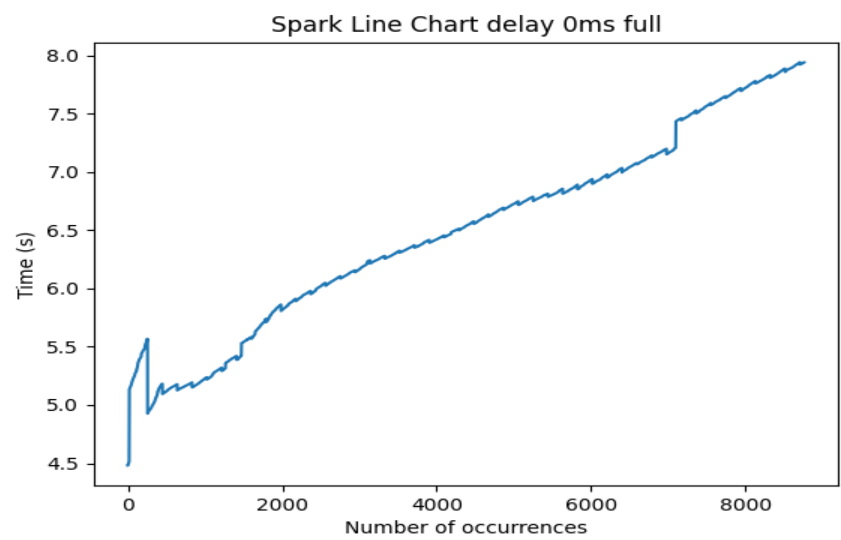
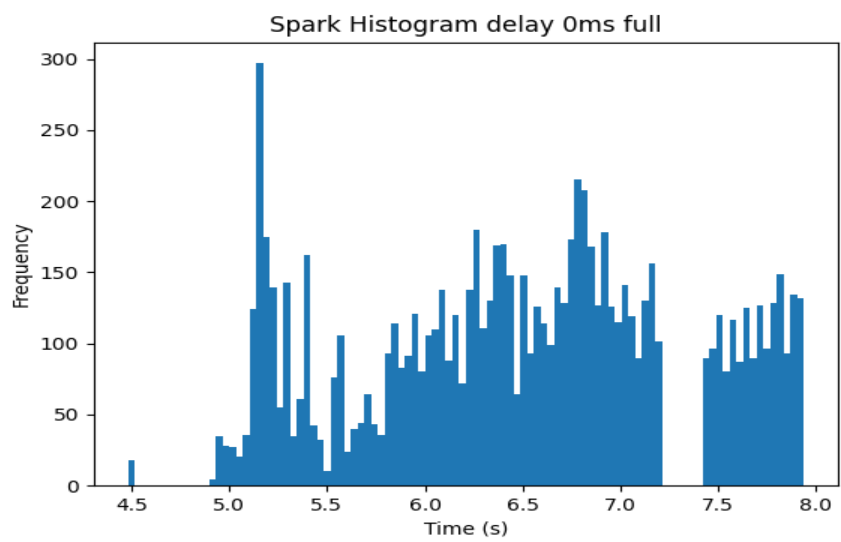
End Subtract Start: 1.1592500000000001

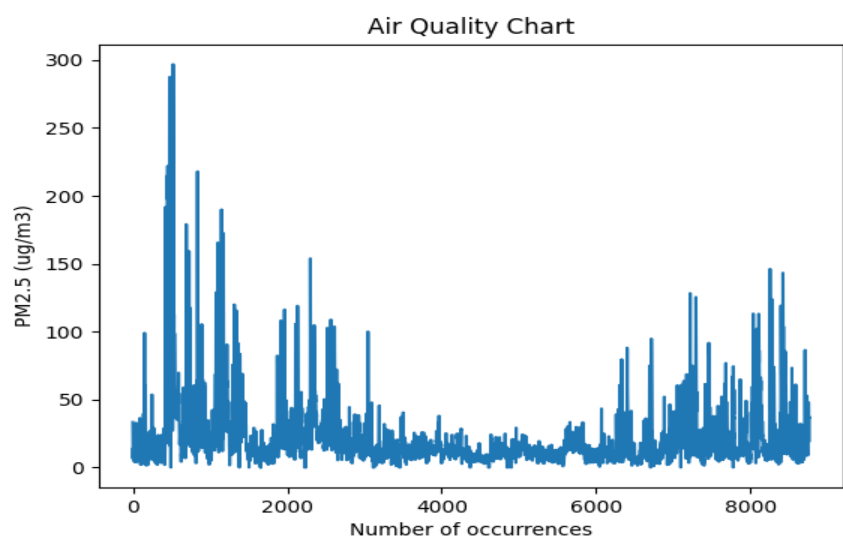
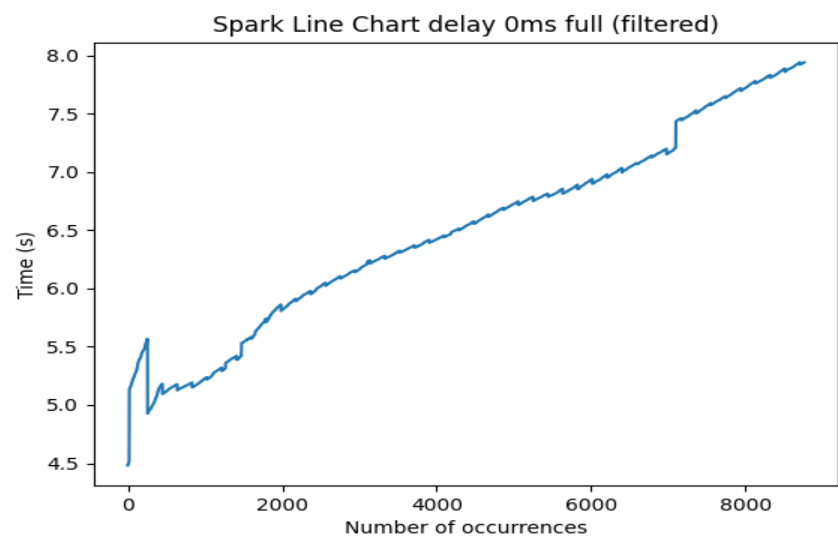
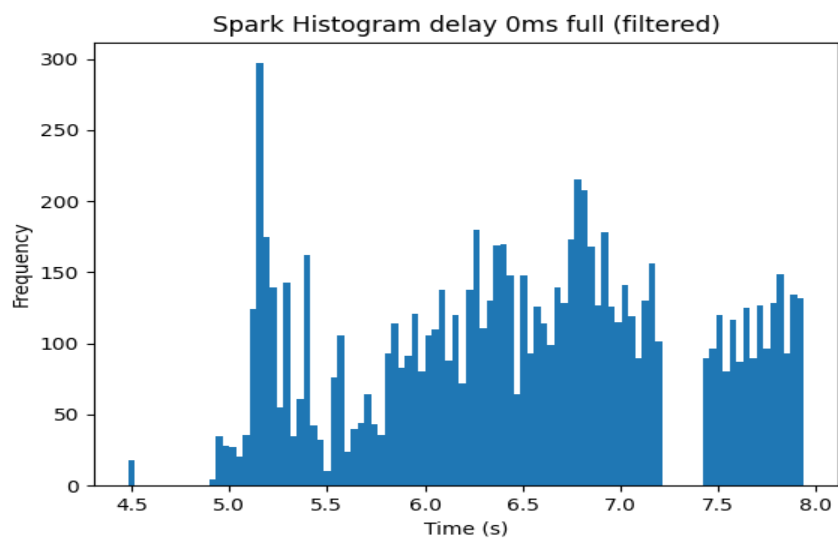
Spark mean

End Subtract Start: 6.499538584474886

Average time for each sample

6.499538584474886





Spark test setup (sparkDelay0Half)

Technology: Spark Structured Streaming
Producer Delay (Send next message): 0ms
Full data set (qty): 4380
Number of tests performed: 1
Start: Timestamp from Producer
End: Timestamp from Consumer
Unit: The results are given in seconds

Spark median values

End Subtract Start: 5.957

Spark standard deviation

End Subtract Start: 0.998640589798448
Lower Bound: 2.7292506050338794
Upper Bound: 8.721094143824567
Number of data in the std range: 4380
Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 1.8032500000000002

Spark mean

End Subtract Start: 5.725172374429223

Average time for each sample

5.725172374429223

