

5. PERFORMANCE OF BATTERY TESTING APPLICATION

SQL Lines	Response Time	Processing Time	Memory Load
10	0.563s	0.0002s	452MB
2,000	1.43s	2.563s	568MB
86,400	2.674s	18s	583MB
6,91,200	2.653s	1m20s	602MB
25,05,600	2.712s	3m41s	803MB

5.1 TESTING METHODOLOGY:

The testing of this application was done with an AWS EC2 instance with 2 vCPUs, 2GB of RAM and 10GBPS of internal bandwidth. The numbers were measured with an application called Postman. This is an application that allows us to set parameters upload files via HTTP requests to any address. The internet speed was stable, connected via Ethernet and had a symmetrical speed of 50Mbps. The average measured latency of the network was 9ms.