RDS > Performance Insights

serverless-database-mysqld-1-instance-1

| serverless-database-mysqld-1-instance-1 ▼ |
| Aurora MySQL   8.0.mysql_aurora.3.05.1   db.serverless |

[Last 5 hours] [⟳] ◯ Auto refresh ⚙

ℹ **Performance Insights supports additional retention tiers**
To change your current retention tier, modify the database. Learn more ↗

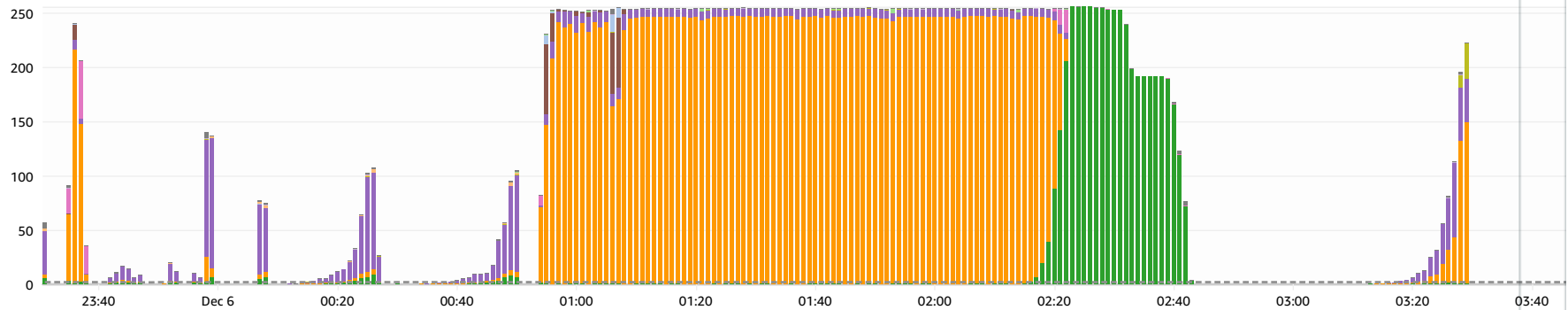[**Modify retention tier**] ✕

Database load   sliced by [Waits ▼]   [Bar | Line | Table] **Info**   ☑ Show estimated vCPU

Average active sessions (AAS)
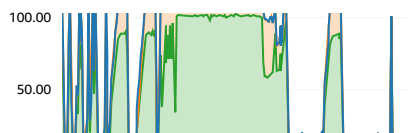

Dimensions | **Metrics**

Metrics dashboard

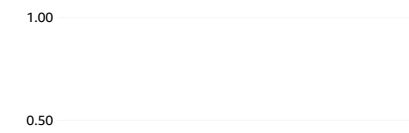[Aurora MySQL database health summary ▼]   [Feedback] [**Export to CloudWatch**]

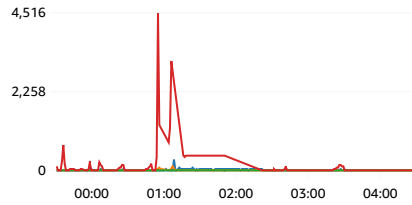| CPU utilization (Percent) ⋮ | Free memory (Bytes) ⋮ | Out-of-memory kills (Count) ⋮ |
| 100.00 | 231.1G | 1.00 |
| 50.00 | 115.6G | 0.50 |
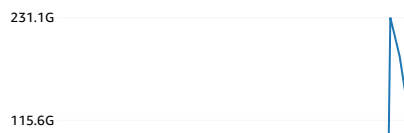
os.cpuUtilization.irq.avg
os.cpuUtilization.wait.avg

● FreeableMemory

● os.memory.outOfMemoryKillCount.avg

IO latency (Milliseconds)

4,516

2,258

0

00:00   01:00   02:00   03:00   04:00
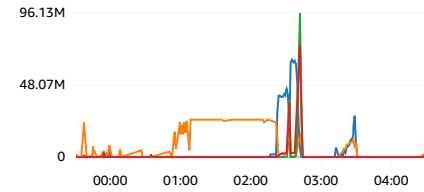
● os.diskIO.auroraStorage.readLatency.avg
● os.diskIO.auroraStorage.writeLatency.avg
● os.diskIO.rdstemp.await.avg   ● CommitLatency

IO operations (Per second)

3,959

1,980

0

00:00   01:00   02:00   03:00   04:00
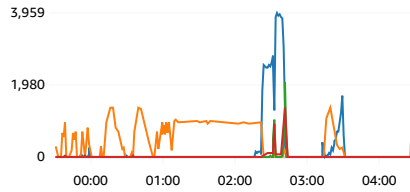
● os.diskIO.auroraStorage.readIOsPS.avg
● os.diskIO.auroraStorage.writeIOsPS.avg
● os.diskIO.rdstemp.readIOsPS.avg
● os.diskIO.rdstemp.writeIOsPS.avg

IO throughput (Bytes per second)

96.13M

48.07M

0

00:00   01:00   02:00   03:00   04:00

● os.diskIO.auroraStorage.readThroughput.avg
● os.diskIO.auroraStorage.writeThroughput.avg
● os.diskIO.rdstemp.readKbPS.avg
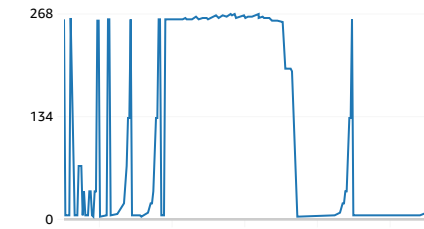● os.diskIO.rdstemp.writeKbPS.avg

IO disk queue depth (Requests)

51.00

25.50

0

00:00   01:00   02:00   03:00   04:00
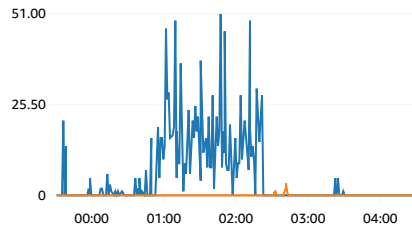
● os.diskIO.auroraStorage.diskQueueDepth.avg
● os.diskIO.rdstemp.avgQueueLen.avg

Network throughput (Bytes per second)

10.55M

5.275M

0

00:00   01:00   02:00   03:00   04:00
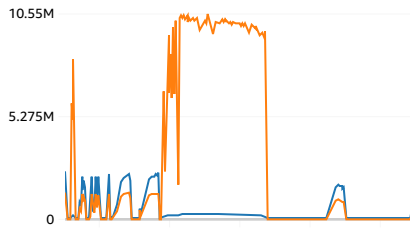
● os.network.tx.avg   ● os.network.rx.avg

Connection utilization (Connections)

268

134

0

00:00   01:00   02:00   03:00   04:00

● db.Users.Threads_connected.avg

Sessions (Sessions)

262

131

0

00:00   01:00   02:00   03:00   04:00
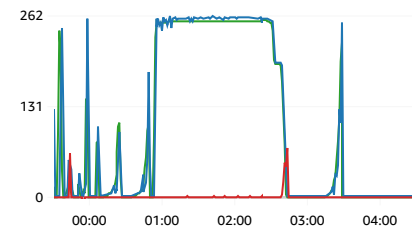
● DBLoad   ● db.Users.Threads_running.avg
● db.Users.Aborted_clients.avg

Logins (Connections)

266

133

0

00:00   01:00   02:00   03:00   04:00
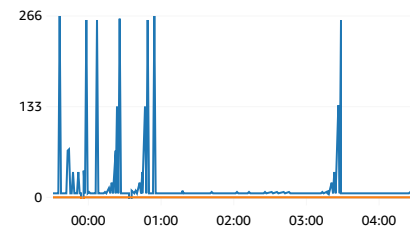
● db.Users.Connections.avg
● db.Users.Aborted_connects.avg

InnoDB history list length (Length)

34,800

17,400

0

00:00   01:00   02:00   03:00   04:00
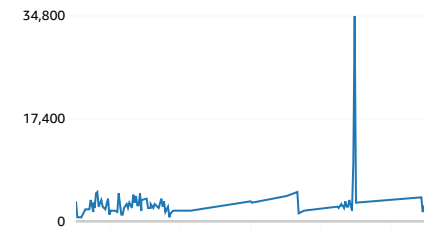
● db.Transactions.trx_rseg_history_len.avg
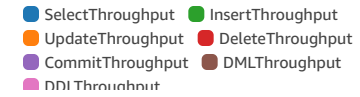
Queries (Per second)

10,364

Query latency (Milliseconds)

85,637

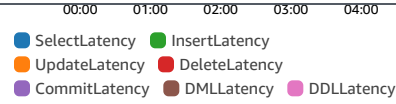## Query throughput (Per second)

6,222

0

00:00 01:00 02:00 03:00 04:00

● db.SQL.Queries.avg

00:00 01:00 02:00 03:00 04:00

● SelectLatency ● InsertLatency
● UpdateLatency ● DeleteLatency
● CommitLatency ● DMLLatency ● DDLLatency

● SelectThroughput ● InsertThroughput
● UpdateThroughput ● DeleteThroughput
● CommitThroughput ● DMLThroughput
● DDLThroughput

DML (Rows per second)

52,804

26,402

0

00:00 01:00 02:00 03:00 04:00

● db.SQL.Innodb_rows_deleted.avg
● db.SQL.Innodb_rows_updated.avg
● db.SQL.Innodb_rows_inserted.avg

Active transactions vs. locks (Transactions)

3,317

1,659

0

00:00 01:00 02:00 03:00 04:00

● db.Transactions.active_transactions.avg
● db.Locks.innodb_row_lock_waits.avg
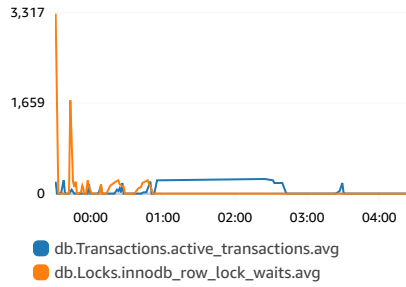
Buffer pool hit ratio (Percent)

100.00

50.00

0

00:00 01:00 02:00 03:00 04:00

● db.Cache.innoDB_buffer_pool_hit_rate.avg
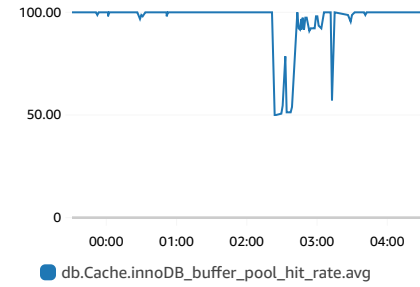
IO cache vs. disk reads (Pages per second)

220,856

110,428

0

00:00 01:00 02:00 03:00 04:00

● db.Cache.Innodb_buffer_pool_reads.avg
● db.Cache.innoDB_buffer_pool_hits.avg
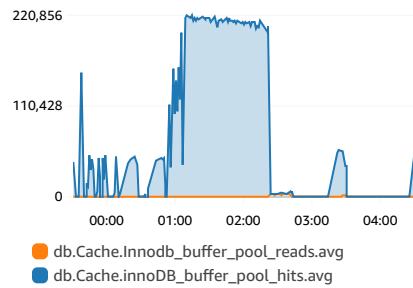
Row lock time (Milliseconds)

233,944

116,972

0

00:00 01:00 02:00 03:00 04:00

● db.Locks.Innodb_row_lock_time.avg
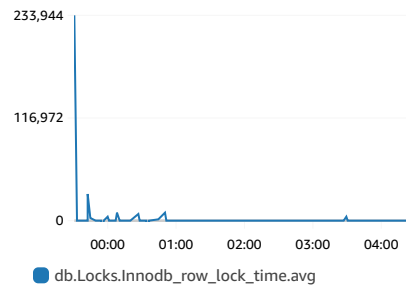
Deadlocks (Deadlocks per minute)

1.00

0.50

0

23:45 00:00 00:15 00:30

● db.Locks.innodb_deadlocks.avg