

RMsis 2.0 DC Performance on AWS

Configuration used for testing:

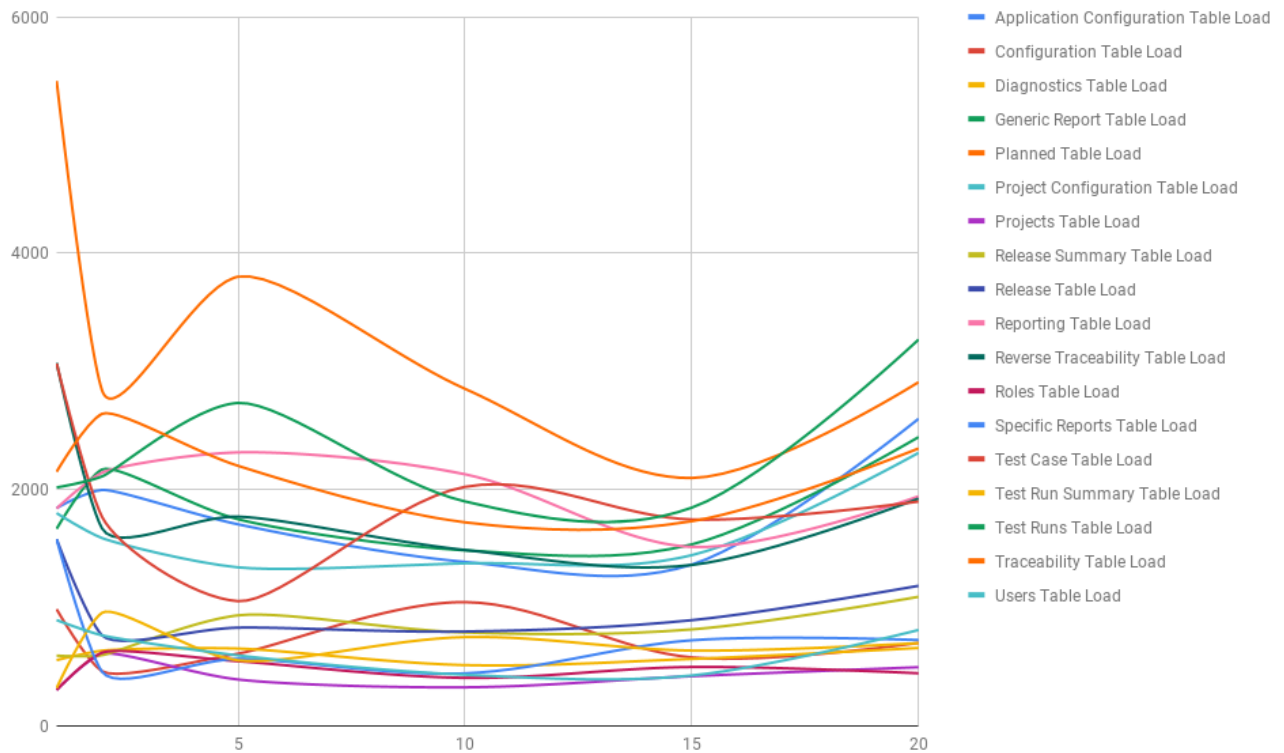
JIRA Data Center on two nodes with RDS instance for the database.

1. Node 1: **m4.xlarge** machine with Jira DC v8.2.0 + RMsis 2.0-r365
2. Node 2: **m4.xlarge** machine with Jira DC v8.2.0
3. RDS Database Node: **db.m4.large** instance of AWS with PostgreSQL Database.

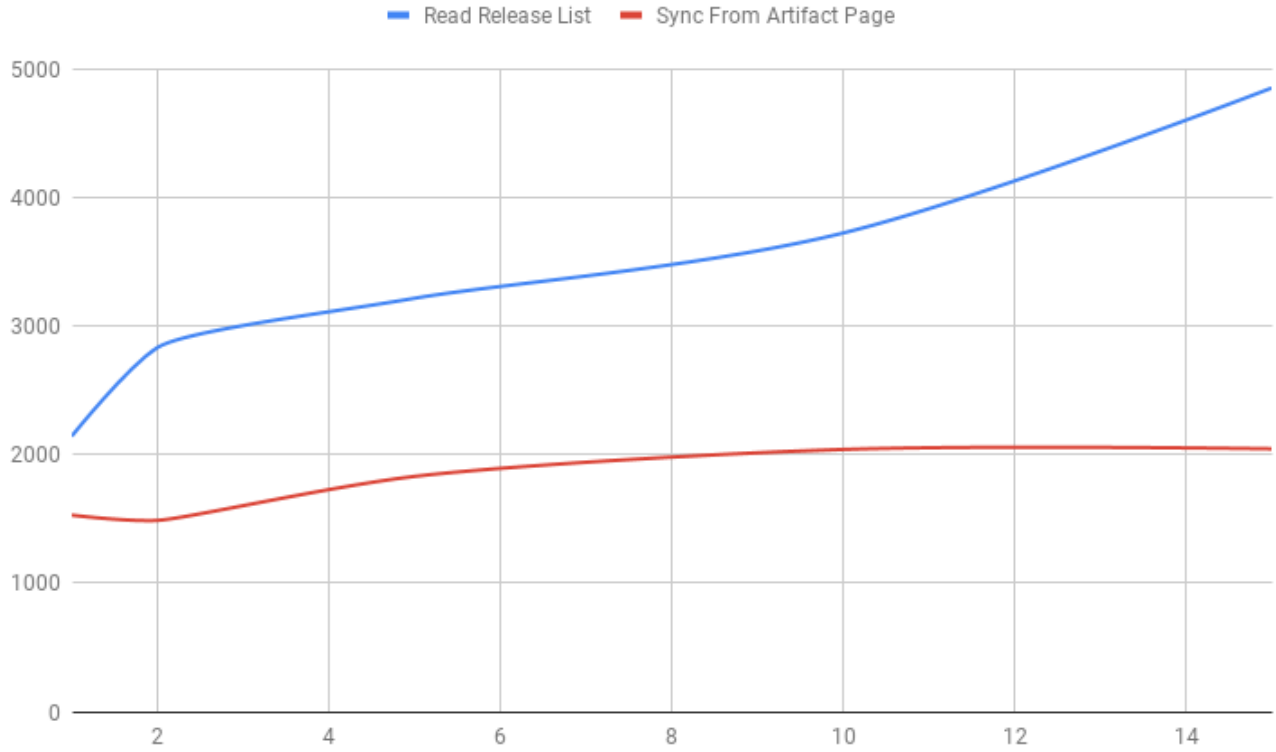
JIRA & RMsis were running over HTTPS behind the proxy offered by AWS.

A series of graphs is displayed below which displays the behavior in the above-mentioned configuration. The numbers on X-axis denotes the number of concurrent users accessing the RMsis while the Y-axis represents the time in milliseconds requires to complete each operation.

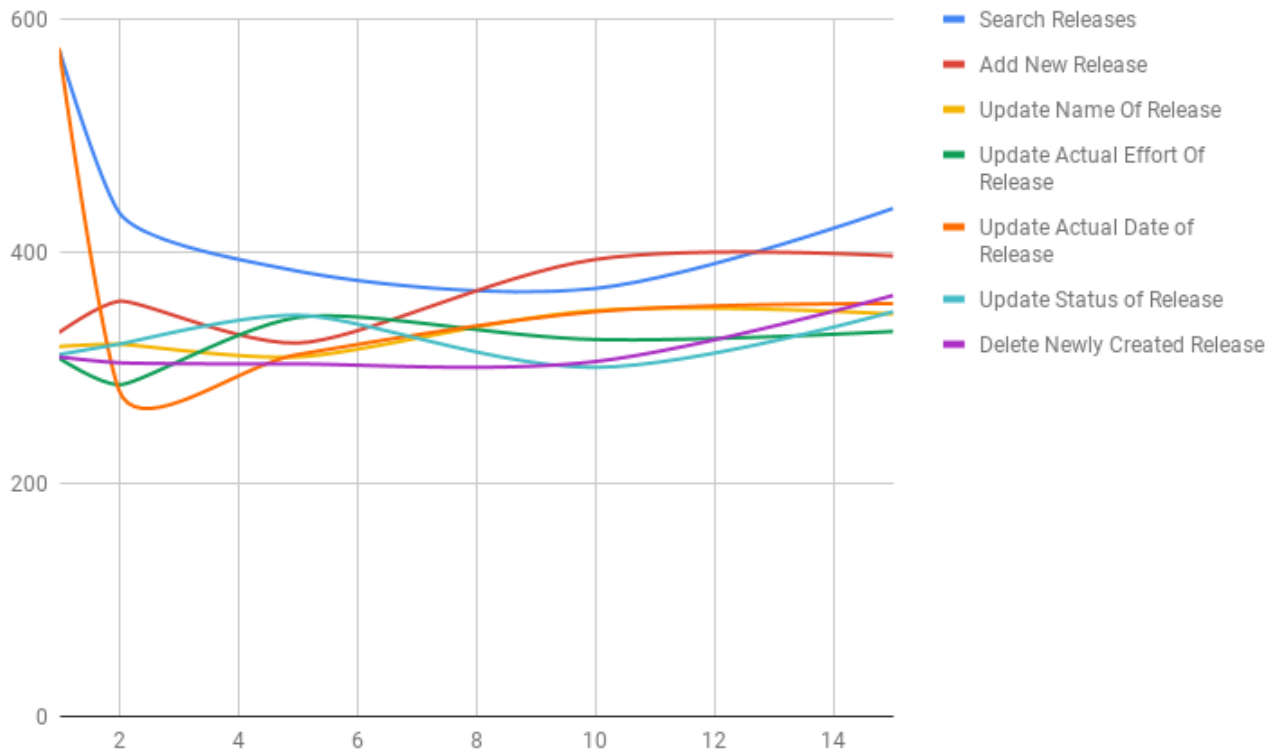
Table Load Statistics for various tables in RMsis



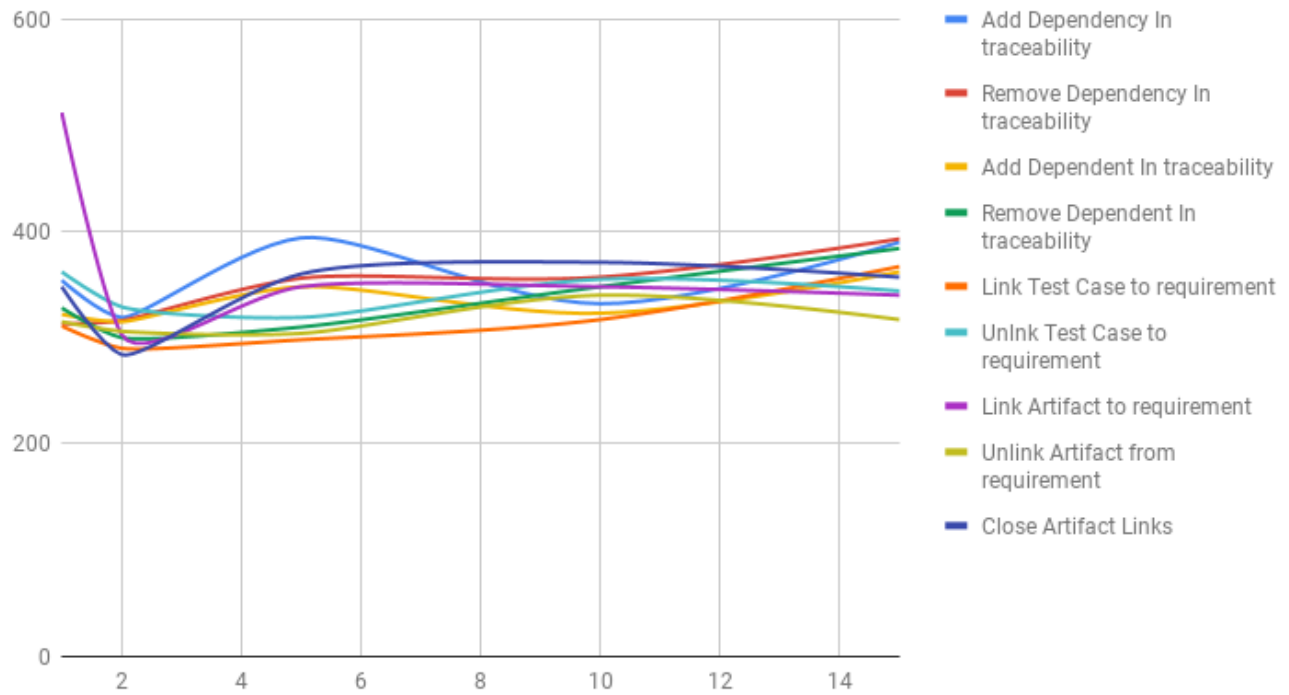
Release Table Load & Sync



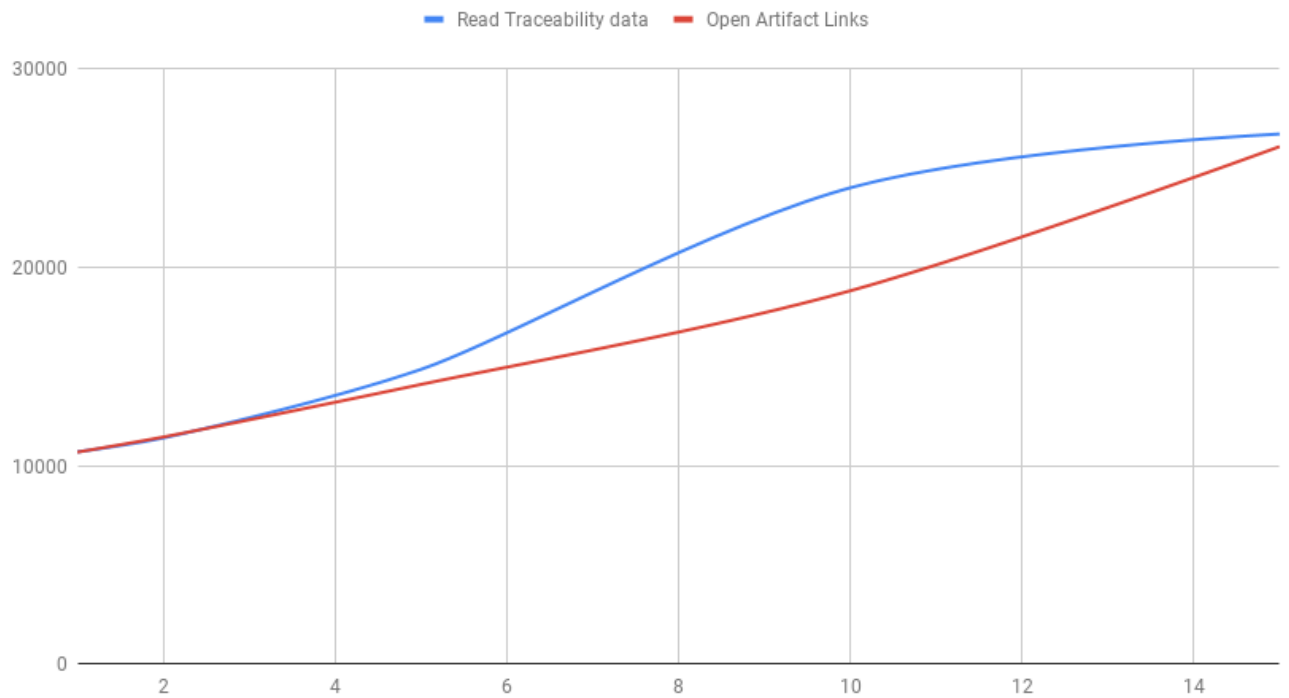
Operations in Release Table



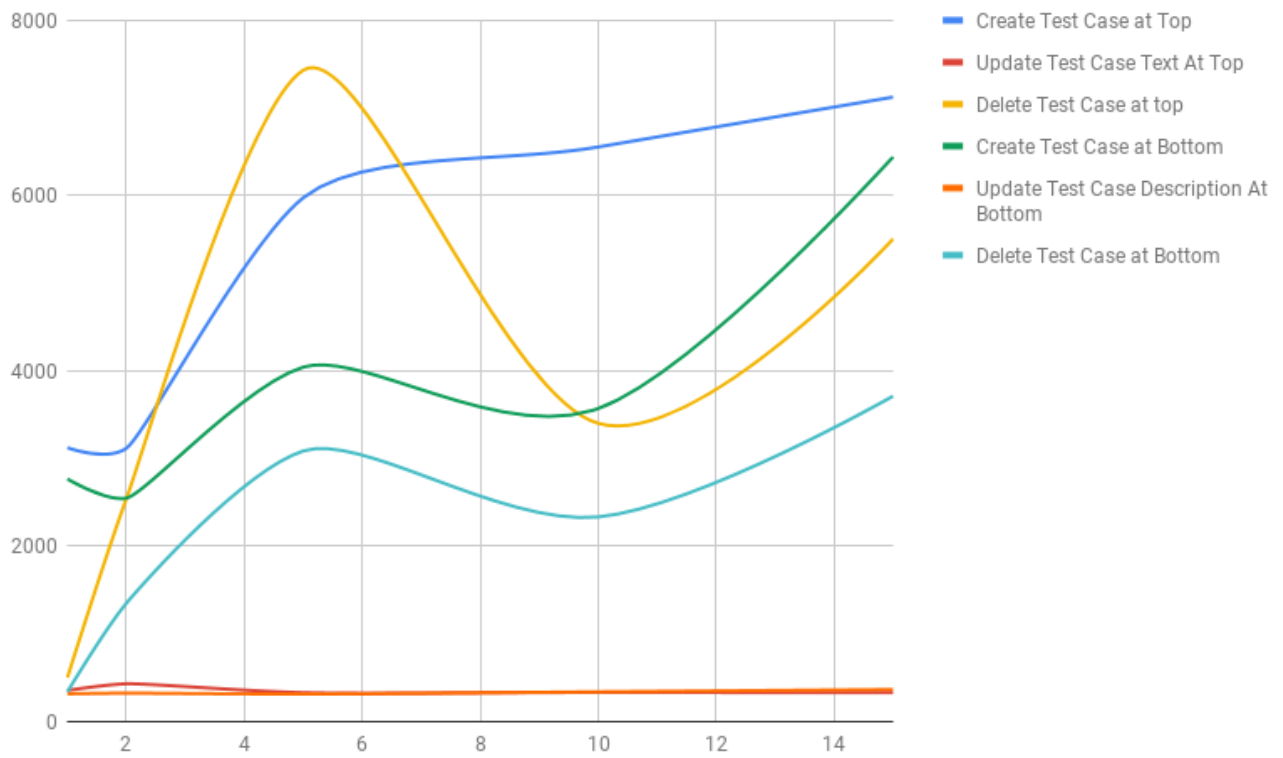
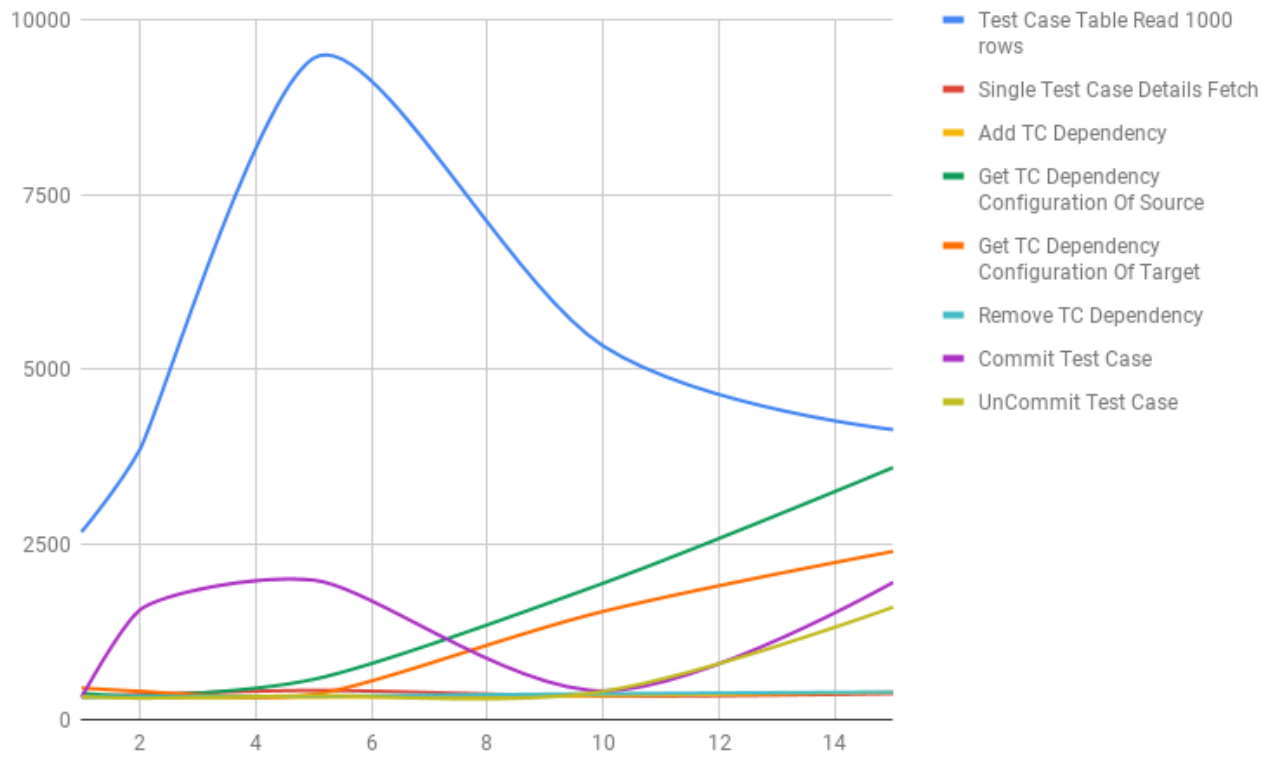
Operations in Traceability Table



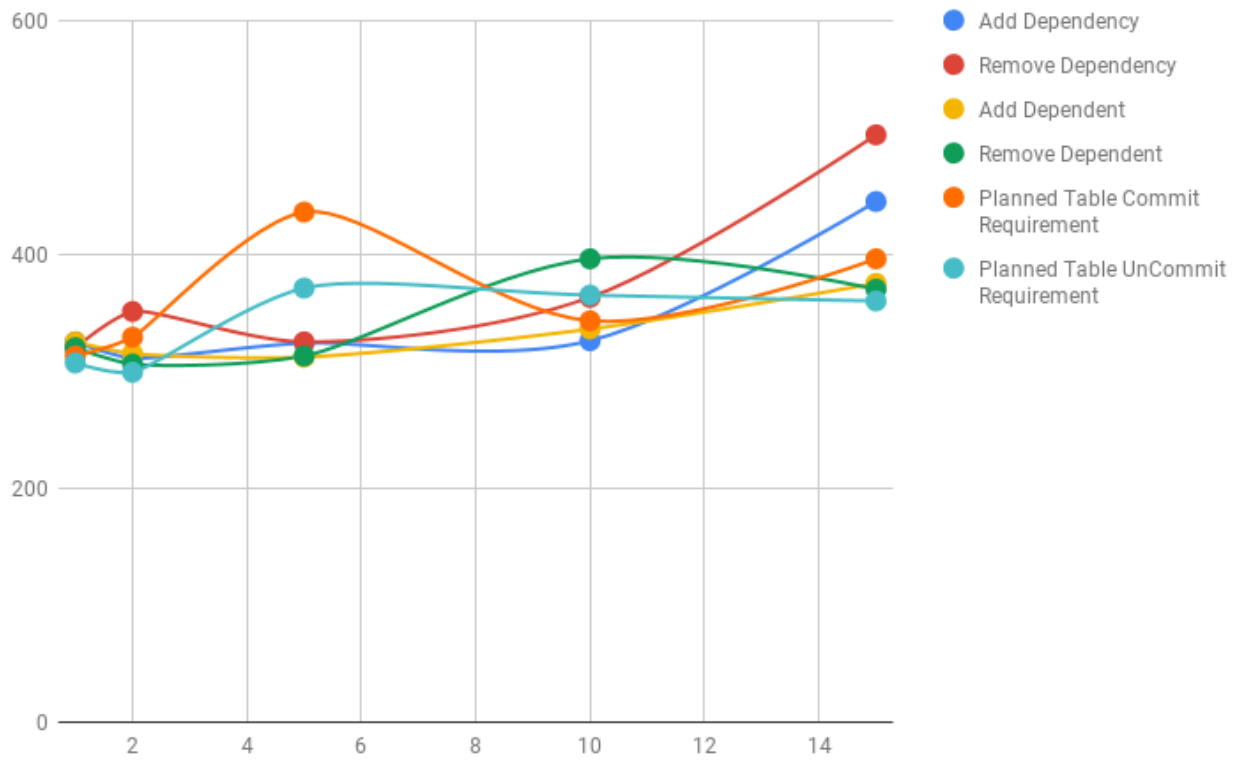
Traceability table load



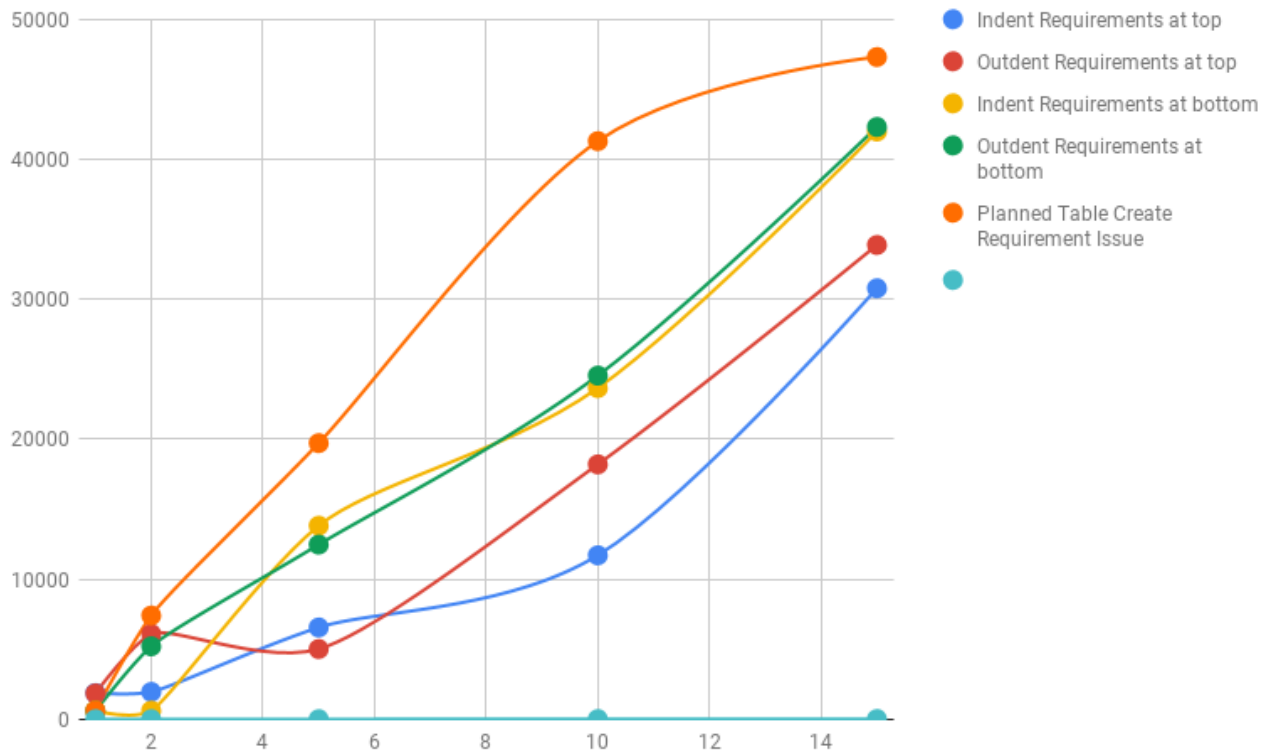
Operations in Test Case Table

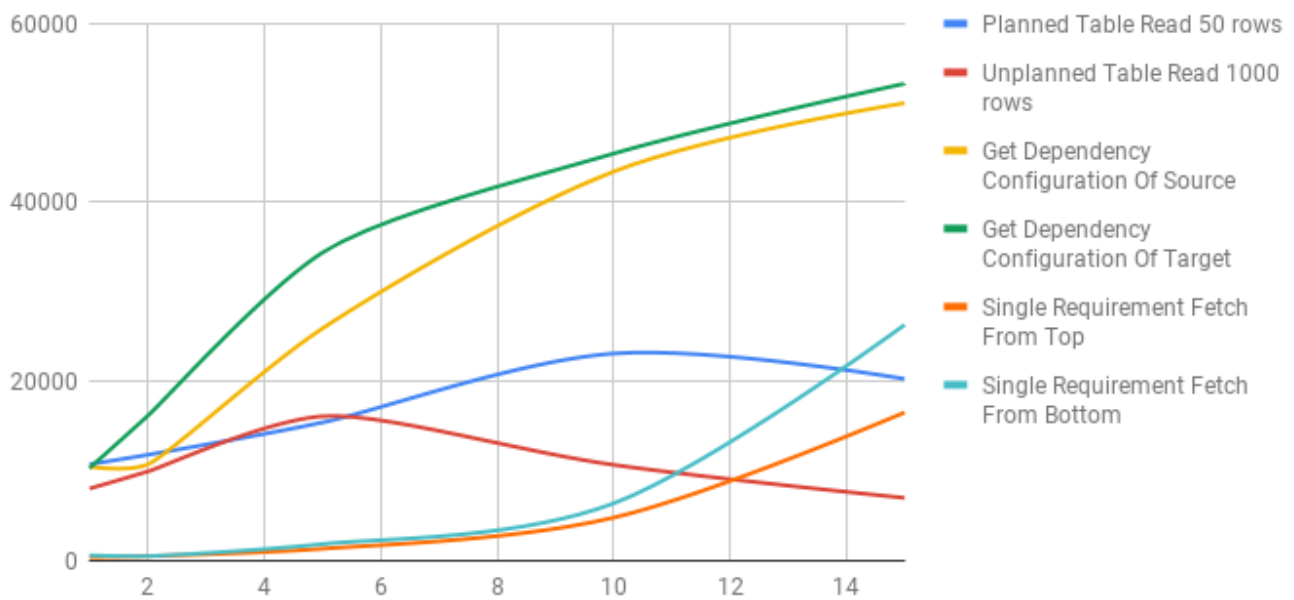
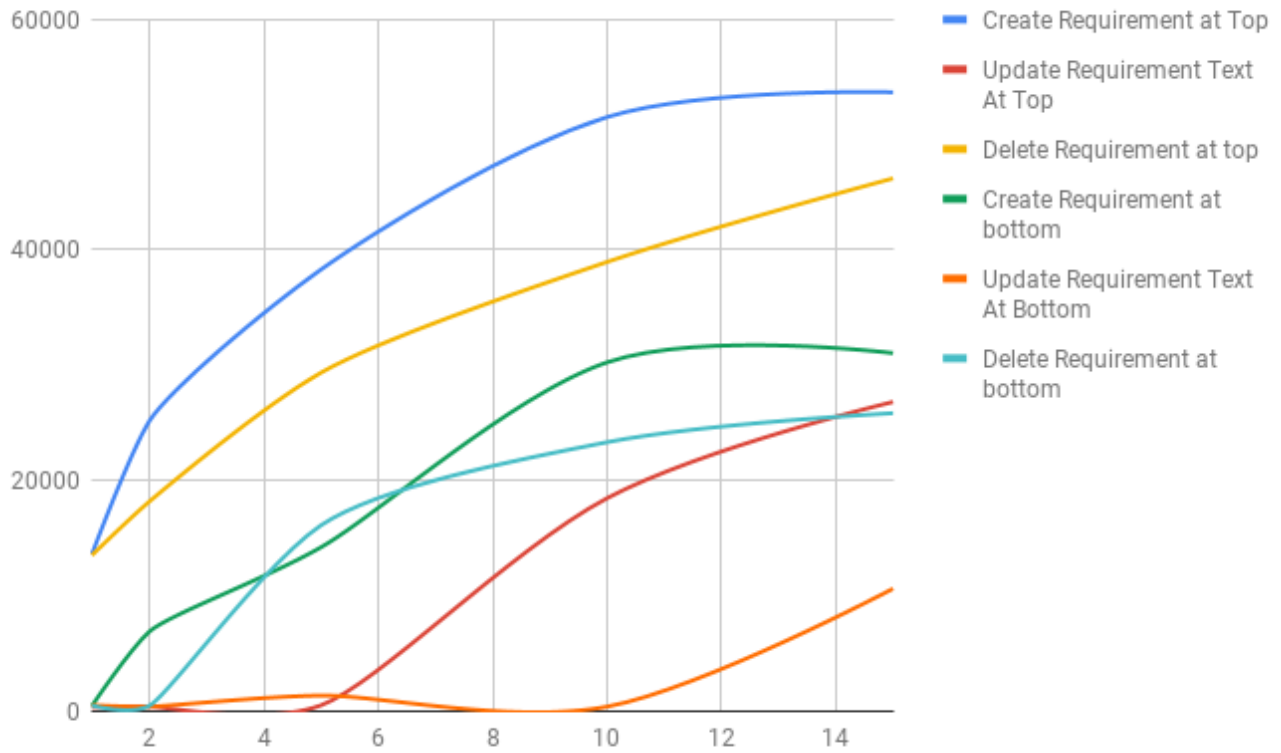


Operations on Traceability Table



Operations on Requirement Table





Conclusion: It can be noticed that the time to respond increases linearly as the number of concurrent users increases but the increase is linear and is expected for any application.

