



Module-wise Performance Automation Issues

SI No	Module Name	Tool Used	Issue Observed	Impact	Suggested Action
1	rt360-UBI – Alert Inbox	JMeter	No pagination; inefficient indexing on large tables	Slower alert retrieval times, high query latency	Use bitmap or partition indexes on WF_ALERT_USERS_DTL_UNI MST_WF_CUST_ALERT_DTL_UNI
2	rt360-UBI – Alert Configuration	JMeter	Missing pagination; no table indexing	High response time across all alert config sections	Apply pagination and indexing to optimize performance for large datasets
3	rt360-UBI – Batch Processing (Ops)	JMeter	High memory use (>80%); pageSize set to 1000	System overload and instability due to shared VM	Shift Python service to separate instance, reduce pageSize to 10, and enable parallel task execution
4	GRC – Policy Management (SMTP)	JMeter	No pagination; JDBC errors; SMTP timeouts	Delayed responses from mail server and DB	Optimize SMTP settings, increase JDBC pool, implement pagination on data-heavy endpoints
5	GRC – ITRM Asset Management	JMeter	Lack of pagination on large data pulls	High load time despite nominal CPU/memory usage	Paginate API calls, monitor resource trends, and fine-tune DB queries
6	GRC – ITRM IT Risk Assessment	JMeter	Missing pagination; indexing gaps	Prolonged load times on assessment functions	Introduce pagination and improve DB indexing
7	GRC – ITRM CFA	JMeter	CPU saturation (>95%); heavy SHA2 usage	System delay due to crypto overhead	Optimize SHA2 operations, paginate data responses, explore crypto offloading options
8	GRC – ITRM TVI Registration	JMeter	High CPU (>80%); no pagination/indexes	Performance drops under concurrent load	Scale infrastructure, migrate PostgreSQL to a dedicated VM, enable caching and indexing
9	GRC – User Management	JMeter	PostgreSQL license limitation (412 errors)	High failure rate when limit exceeded	Upgrade license, add pagination and indexing to reduce load per user
10	GRC – TVI Registration & User Management	Selenium	"Update User" inserts new record instead of updating	Duplicate entries in DB/UI; bloated user tables	Refactor repository to use upsert logic; ensure frontend reflects proper update behavior