

## Performance Testing Report - Tricon FSM

Report Timestamp: 01-11-2025, 00:07:20 America/New\_York

Testing URL: <https://trires-triliv-prod1.pegacloud.net/prweb>

Testing Environment: PROD

Current Network Speed: Upload Speed: 49.74 Mbps Download Speed: 51.91 Mbps

Virtual User Count <= 150

Work Orders Count >= \*\*\*

Cloud Data Storage: \*\*\*% (\*\*\*GB of \*\*\*GB used)

### Test Objective

The objective of performance testing is to evaluate how Tricon FSM application performs under various conditions, such as different concurrent user loads, data load, and network. This type of testing aims to identify potential bottlenecks, performance issues, and system vulnerabilities that could affect user experience, reliability, or scalability. By simulating real-world traffic and usage scenarios, performance testing helps ensure that the system can handle the expected number of concurrent users, process transactions efficiently, and maintain stability under peak loads.

### Test Methodology

The test methodology used in this performance test focusing on page load time to measure how quickly a web page loads at different section under various conditions, including different network speeds and user traffic loads. By analyzing the page load times across different sections of the application, the testing aims to pinpoint areas of optimization, such as server response time, content delivery, and front-end performance, ensuring that the page loads efficiently and provides a seamless user experience.

### Key Findings

Please observe the load time (Front End) marked in red color in following tables. An ideal page load time is between 0-3 seconds, 4 seconds is also considered to be an acceptable score. Anything above 4 seconds should be investigated and improved.

#### Performance metrics for: Dashboard

Test Step	Attempt #	Front End Load Time (s)	Server Load Time (s)
Dashboard	1	8.14	0.288

#### Performance metrics for: Dispatcher Map

Test Step	Attempt #	Front End Load Time (s)	Server Load Time (s)
Dispatcher Map	1	2.41	0.318

#### Performance metrics for: Workers List

Test Step	Attempt #	Front End Load Time (s)	Server Load Time (s)
Workers List	1	2.51	0.136

#### Performance metrics for: Searching Work Order

Test Step	Attempt #	Front End Load Time (s)	Server Load Time (s)
Searching Work Order	1	4.64	0.134

Performance metrics for: Searching & Opening Work Order (together)

Test Step	Attempt #	Front End Load Time (s)	Server Load Time (s)
Searching & Opening Work Order (together)	1	74.78	0.395

Performance metrics for: Create Work Order: Step 1

Test Step	Attempt #	Front End Load Time (s)	Server Load Time (s)
Create Work Order: Step 1	1	70.82	17.11

Report End Timestamp: 01-11-2025, 00:11:27 America/New\_York

Note:

- 1) Python version: 3.9
- 1) JMeter version: apache-jmeter-5.5
- 2) JMeter Thread Count: Virtual User Count as given above.
- 3) JMeter Ramp-up Period(in seconds): 1 second.

To understand more about JMeter, click here