

Load Test Report

Introduction

This document summarizes the findings obtained from the load testing process. It covers such subject areas as test details, test results, login and application specifics, EUX score, and metrics to characterize system performance. The report serves as a valuable resource in understanding the performance of your system under different workloads and implementing necessary improvements.

Login VSI provides the industry-standard virtual desktop testing platform, Login Enterprise, which helps organizations benchmark and validate the performance and scalability of their virtual desktop solutions. With Login Enterprise, IT teams can reliably measure the effects of changes to their virtual desktop infrastructure on end-user experience and identify performance issues before they impact the business.

Login Enterprise uses virtual user workloads to simulate real-world user behavior, so IT teams can measure the responsiveness and performance of their virtual desktop environment under different scenarios. Login Enterprise has two built-in workloads: The task worker and the knowledge worker.

NOTE: Login Enterprise workloads and analytics cannot be compared to test data from the legacy Login VSI benchmarking product. The Login Enterprise workloads are much more resource-intensive and the calculations used to determine max density (VSI_{max}) are different.

EUX Score

The EUX (End User Experience) score represents the performance of any Windows machine (virtual, physical, cloud, or on-premises). The score ranges from 0 to 10 and measures the experience of one (minimum) or many virtual users.

As you add more users to your VDI platform, expect your EUX score to drop. As more users demand a greater share of a VDI system's shared resources, performance and user experience decrease.

Metrics

The following are some metrics that can be used to characterize system performance.

- **EUX baseline score:** The baseline EUX score represents the best possible performance of the system and is the average EUX score of the best 5 minutes of the test. This score indicates how the system performs when it's not under stress. Typically, you capture the baseline EUX score at the beginning of the test before the system is fully loaded.
- **EUX score:** The average EUX score for the entire test.
- **EUX steady state score:** The steady state represents the period after all users have logged on (login storm) and the system has started to normalize. The steady state EUX score is the average of the EUX scores captured between 5 minutes after all sessions have logged in and at the end of the test.
- **Total logon time** The amount of time it takes the user to go from launching the session to the point where the workspace is ready to be used.
- **VSI_{max}** A number of triggers determine the VSI_{max} (or the maximum number of users that can fit on the system before performance degrades). These triggers are application-, CPU- and disk-related operations and can determine whether the user experience is acceptable. EUX scores below 5.5 are one example of a trigger. Another example could be a setting of <85% of the baseline EUX score.

Test specifics

	5 users 5m ramp up and duration 1in2 sessions 0011
Product version	6.0.16
EUX version	EUX2023
VSIMax version	EUX2023
Connector	Rdp
Launcher group(s)	LAUNCHER-2, LAUNCHER-1
# of users	5 users
Login window	5 minutes
Test duration	5 minutes after last session has started
Date	21/05/25 13:42 UTC
Workload	Session starts Notepad Paint Wordpad Wait 15 second(s) Wait 30 second(s) Repeat all actions

Test results

Success rates

Test	Logins	Engine	Apps
5 users 5m ramp up and duration 1in2 sessions 0011	 100%	 100%	 100%

EUX score

Test	EUX Score	Comment
5 users 5m ramp up and duration 1in2 sessions 0011	4.1	-

Test	EUX Score (Base)
5 users 5m ramp up and duration 1in2 sessions 0011	4.2

Test	EUX Score (Steady state)
5 users 5m ramp up and duration 1in2 sessions 0011	-

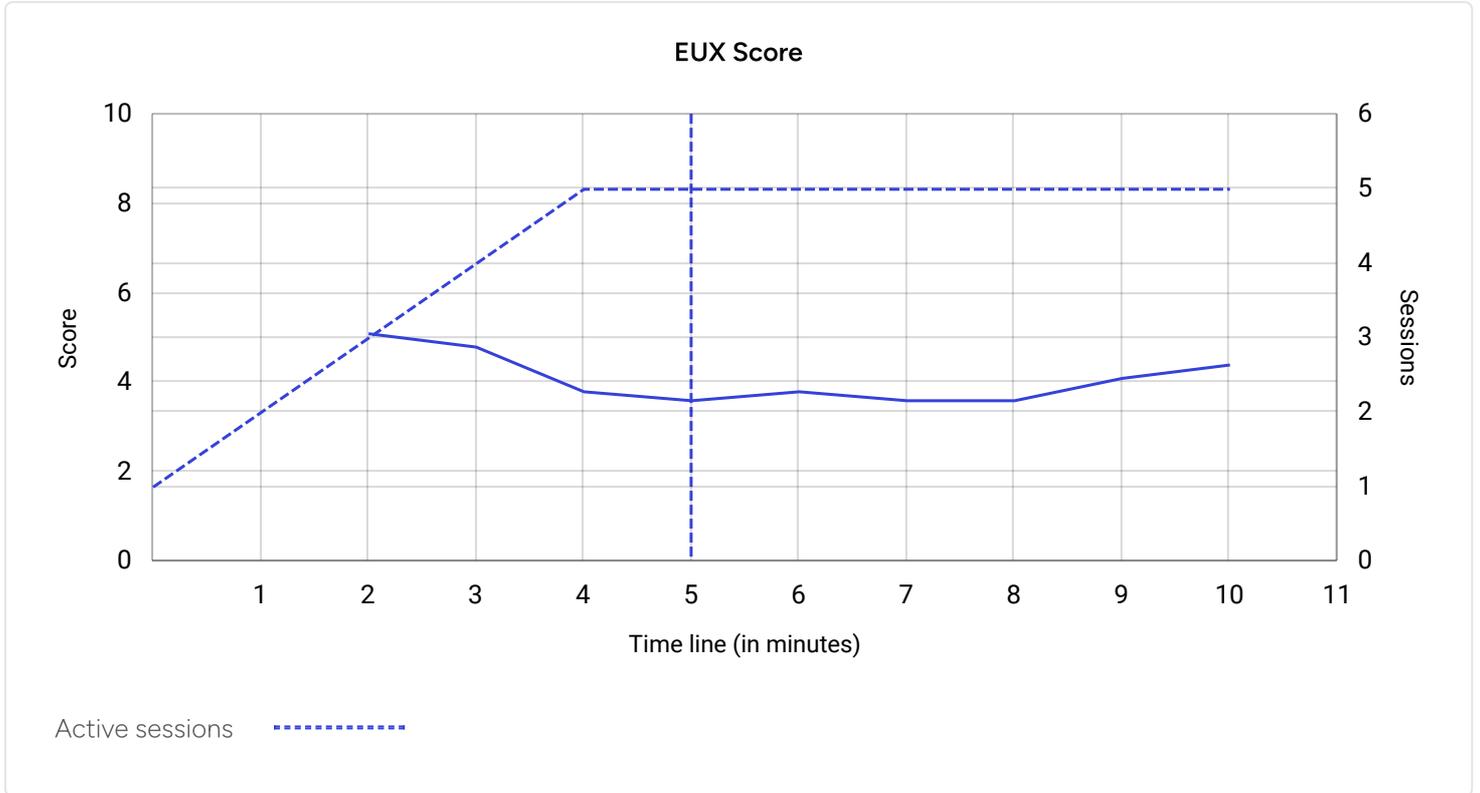
VSImax

Test	VSImax	Comment
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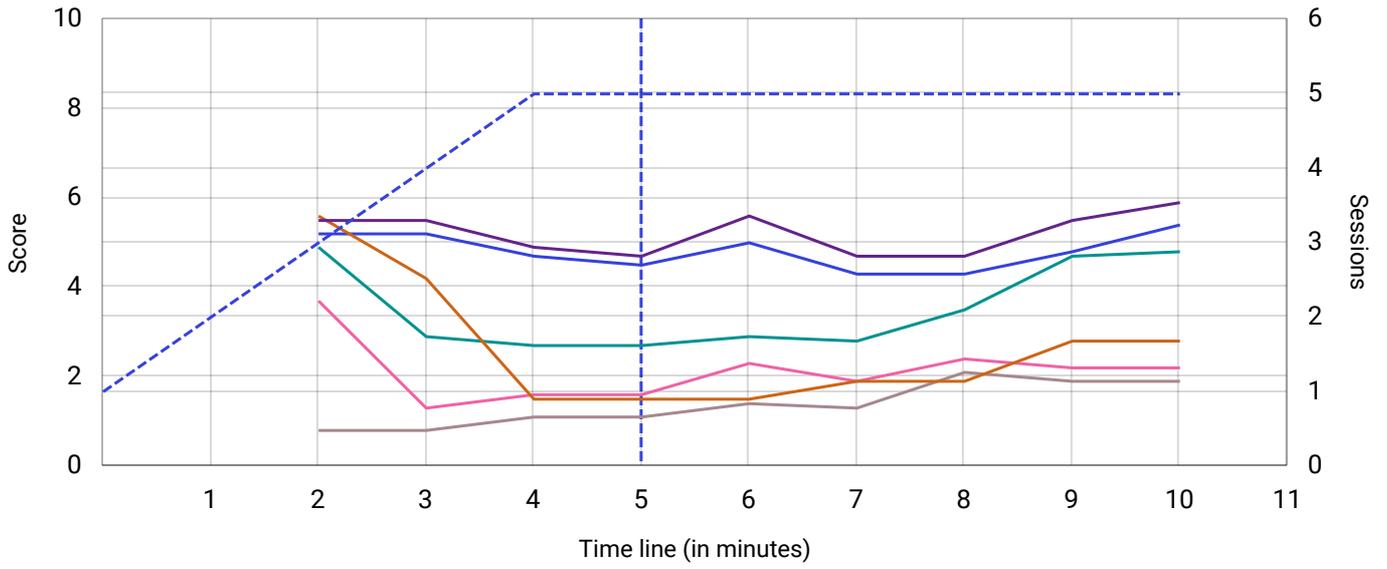
5 users 5m ramp up and duration 1in2 sessions 0011

> 5

The End User Experience score was acceptable for the entire duration of the load test. Your VSImax was not found based on the amount of logged on users (5) of the test. You may rerun the test with more users to find your VSImax.



EUX Timers

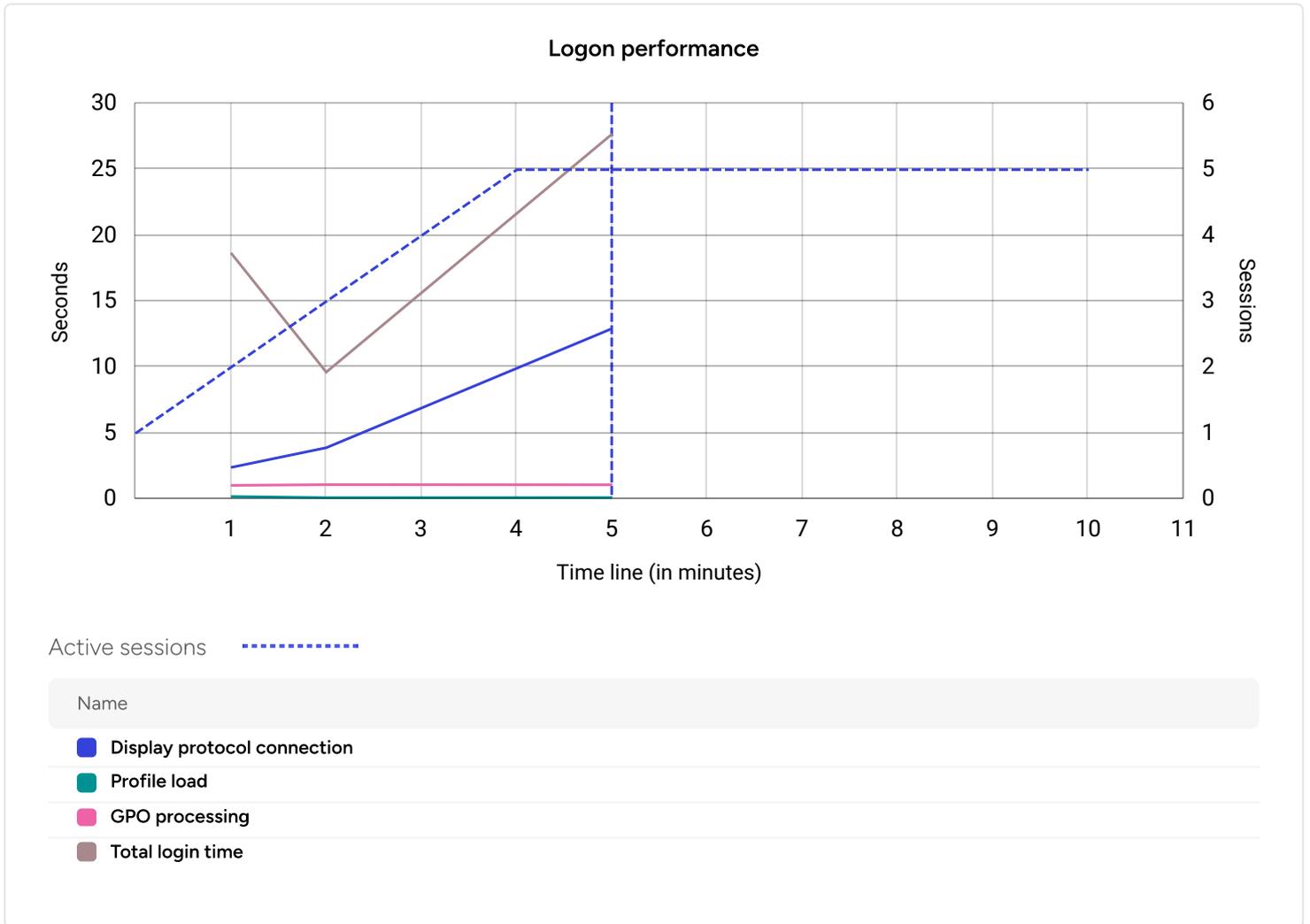


Active sessions - - - - -

Name

- Generic Application score
- CPU score
- My Documents I/O score
- Local AppData I/O score
- Mixed CPU I/O score
- User Input score

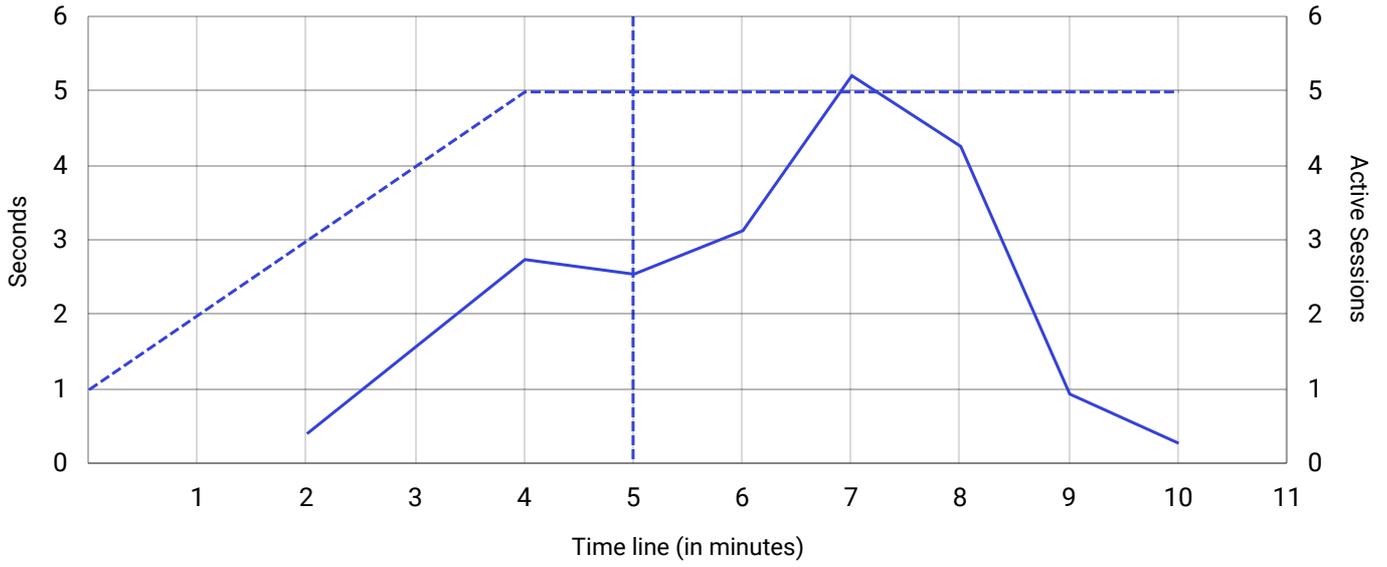
Logon time



Application response time

5 users 5m ramp up and duration 1in2 sessions 0011	
Notepad (start)	2.73 sec
Paint (start)	8.6 sec
Wordpad (start)	3.73 sec

Notepad

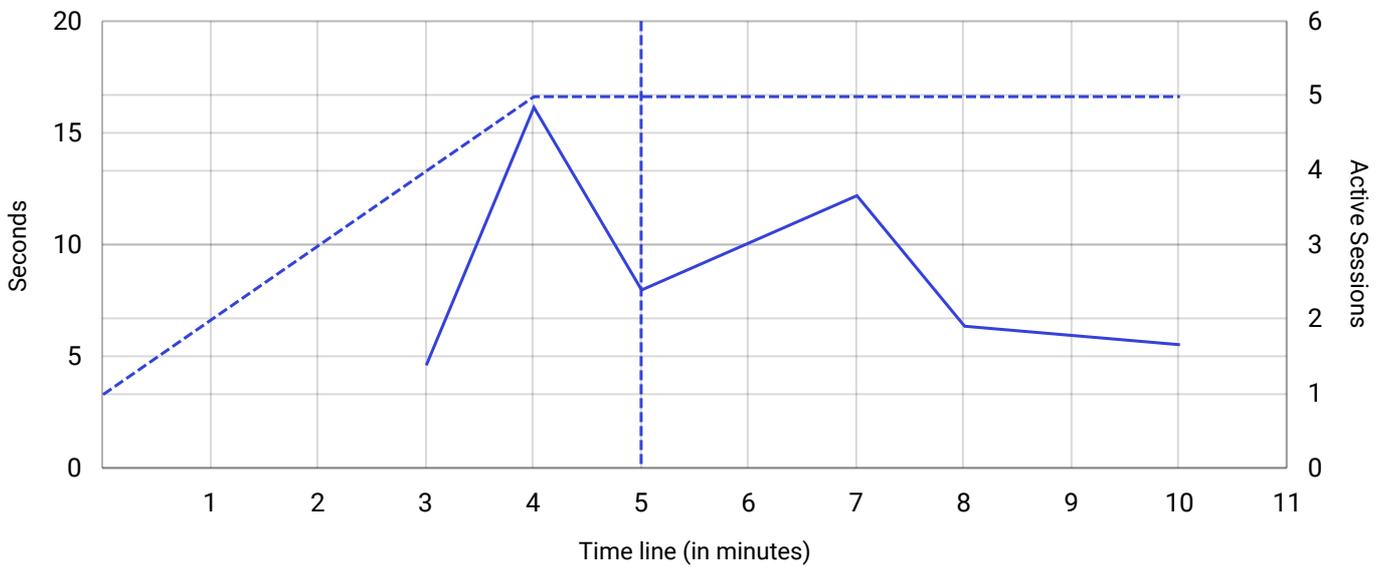


Active sessions -----

Name

■ Start

Paint

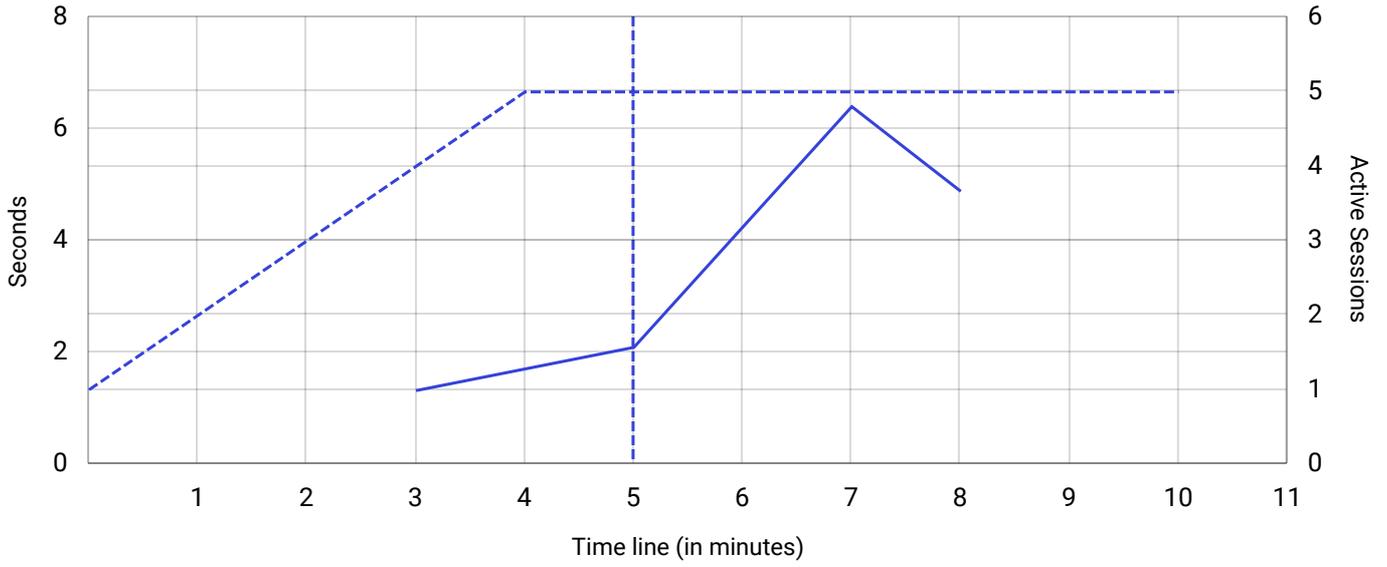


Active sessions -----

Name

■ Start

Wordpad



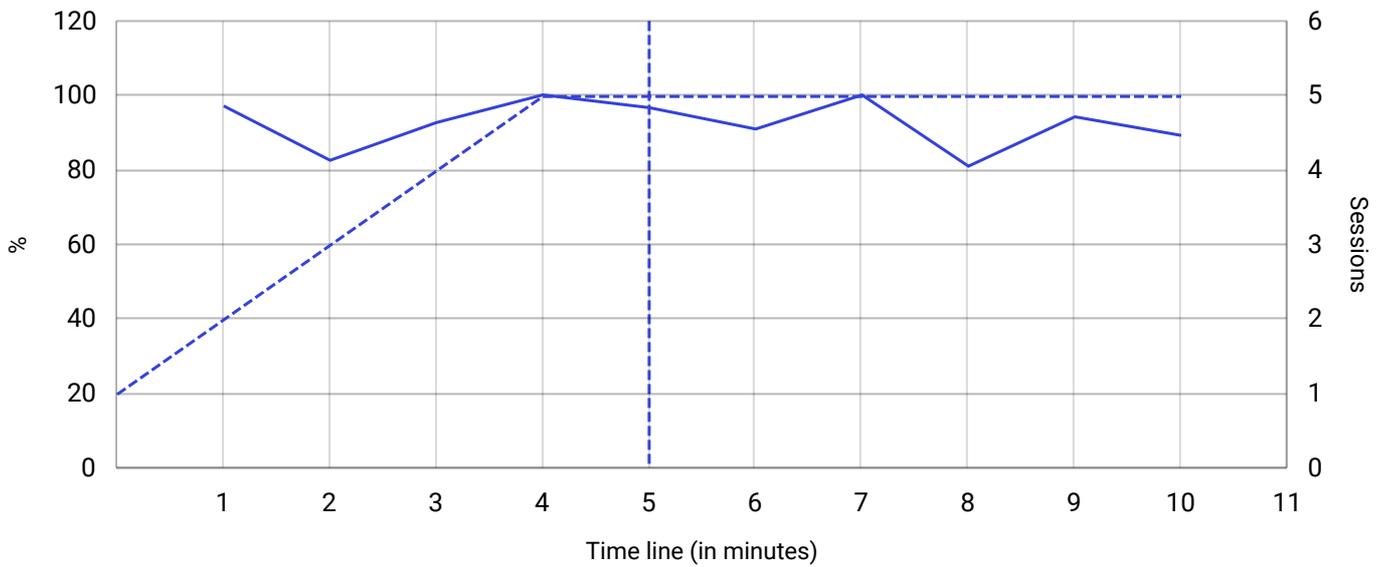
Active sessions

Name

Start

Session metrics

CPU



Active sessions

