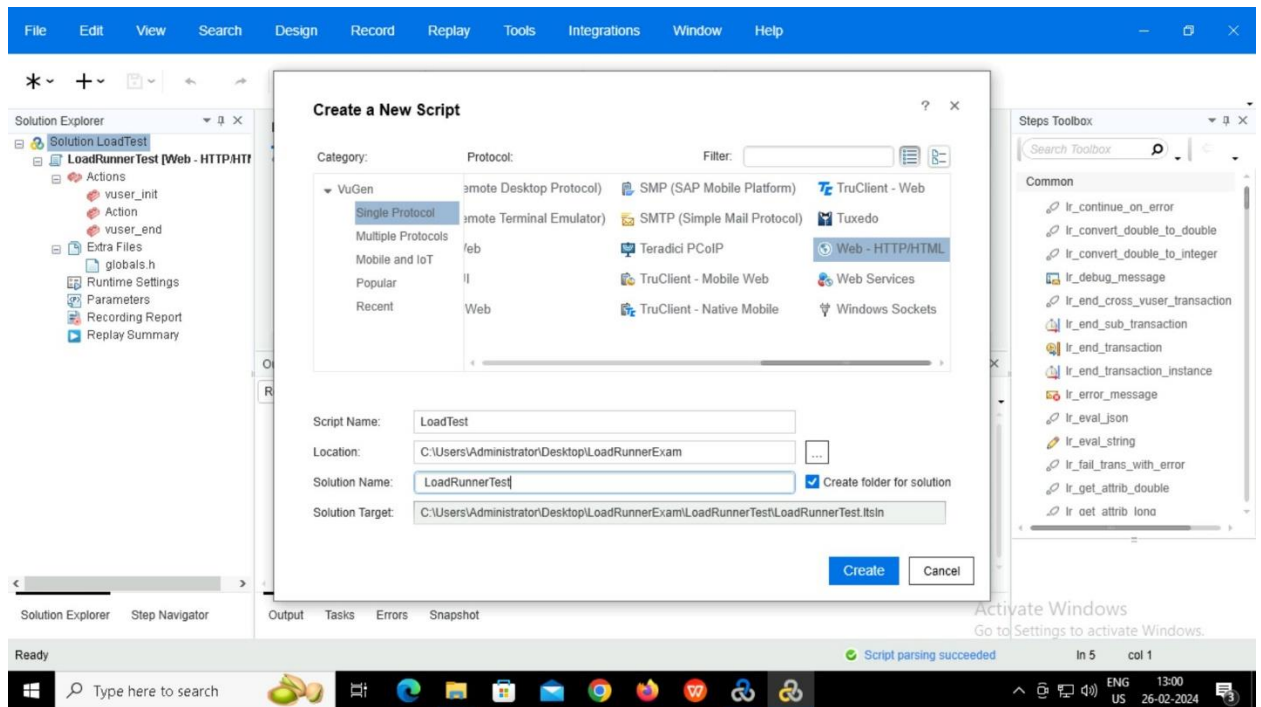


Record Web Application using LoadRunner. Parameterize and Correlate required values

Url: <https://opensource-demo.orangehrmlive.com/>

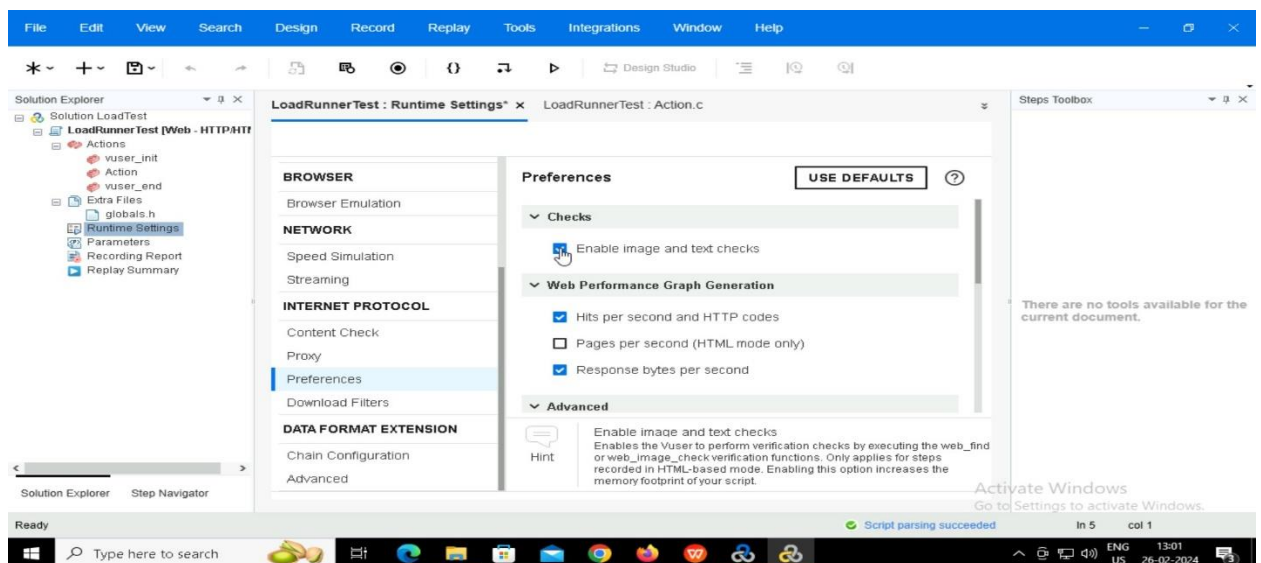
Virtual User Generator

- Creating solution and script

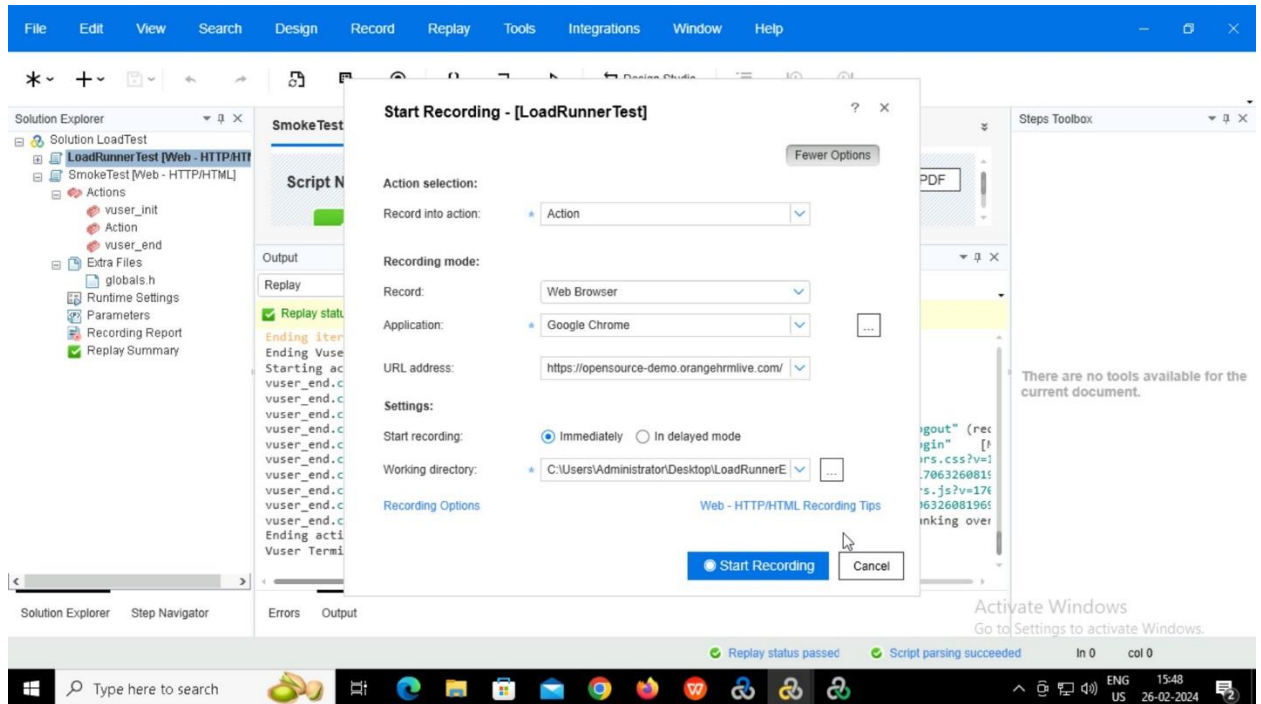


- Applying run time settings

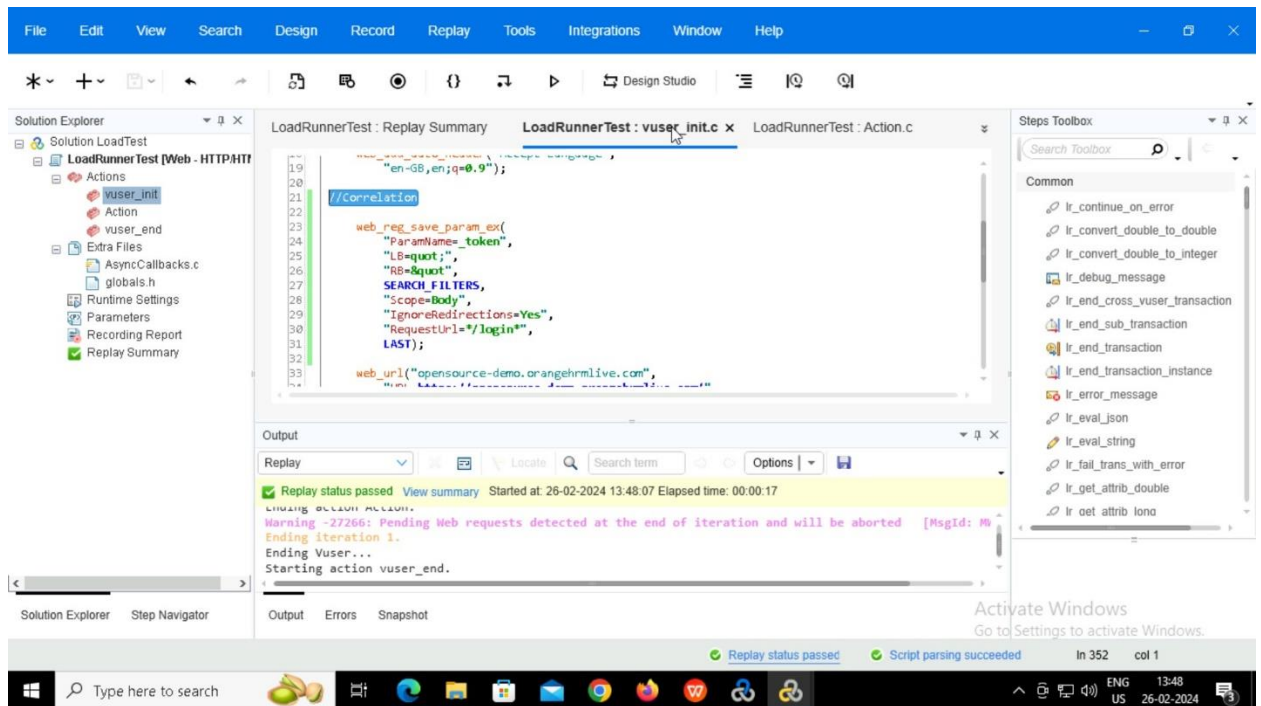
For image and text check check the enable image and text options in the preferences

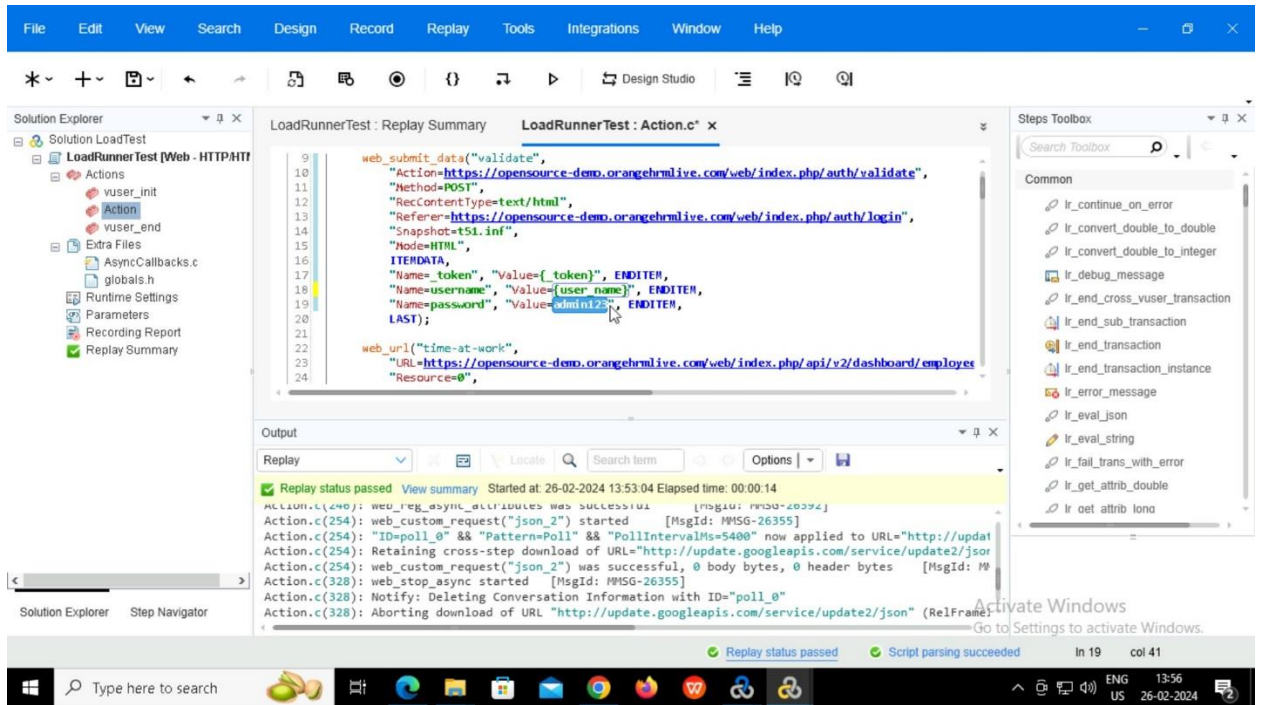


- Start Recording

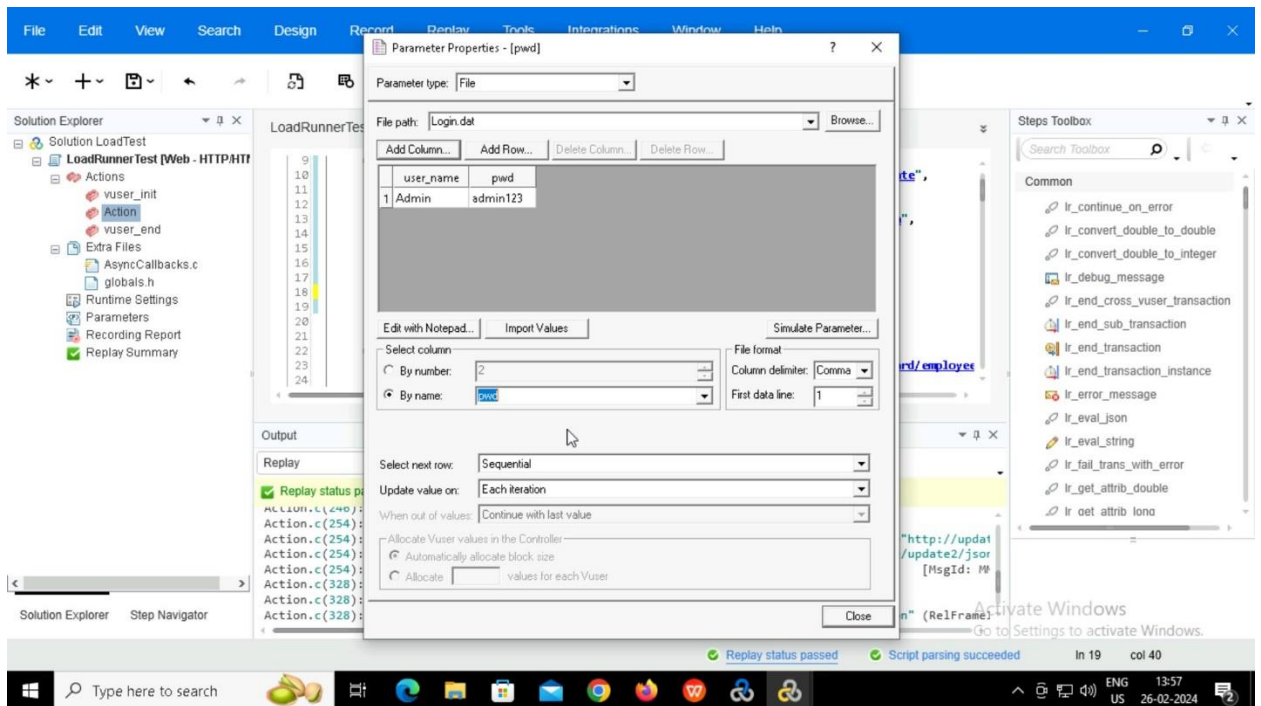


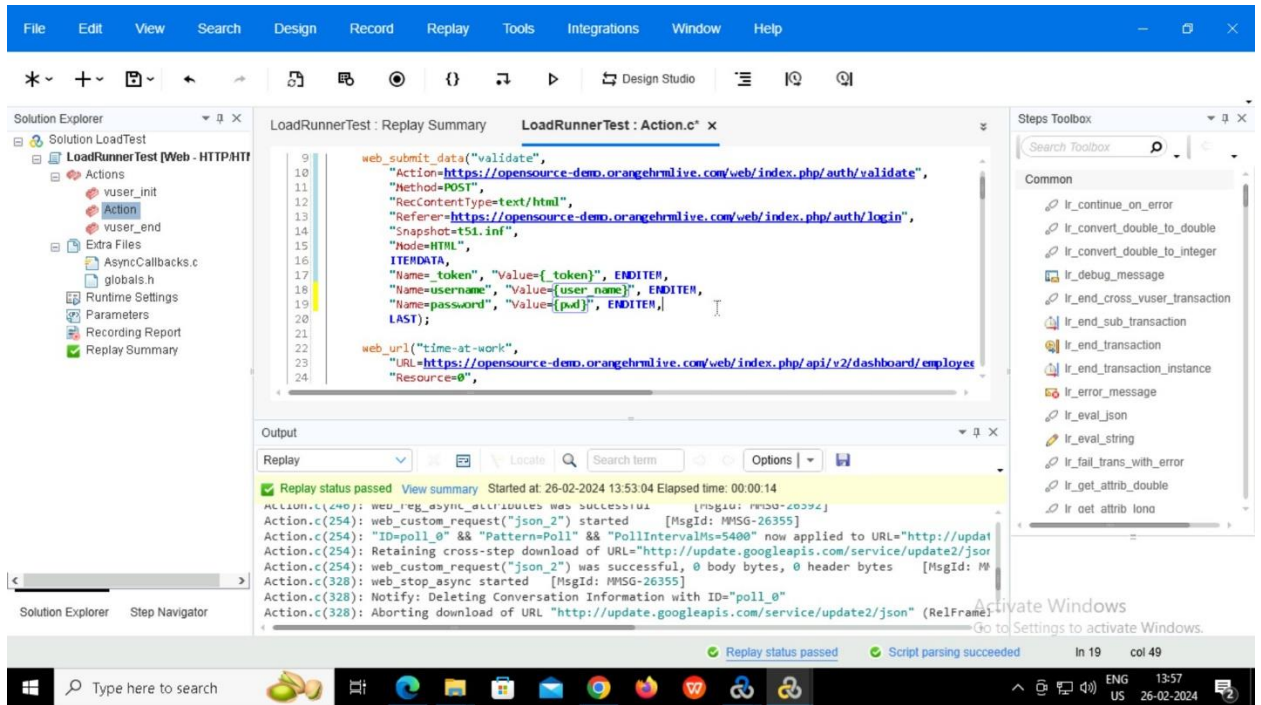
- Doing correlation



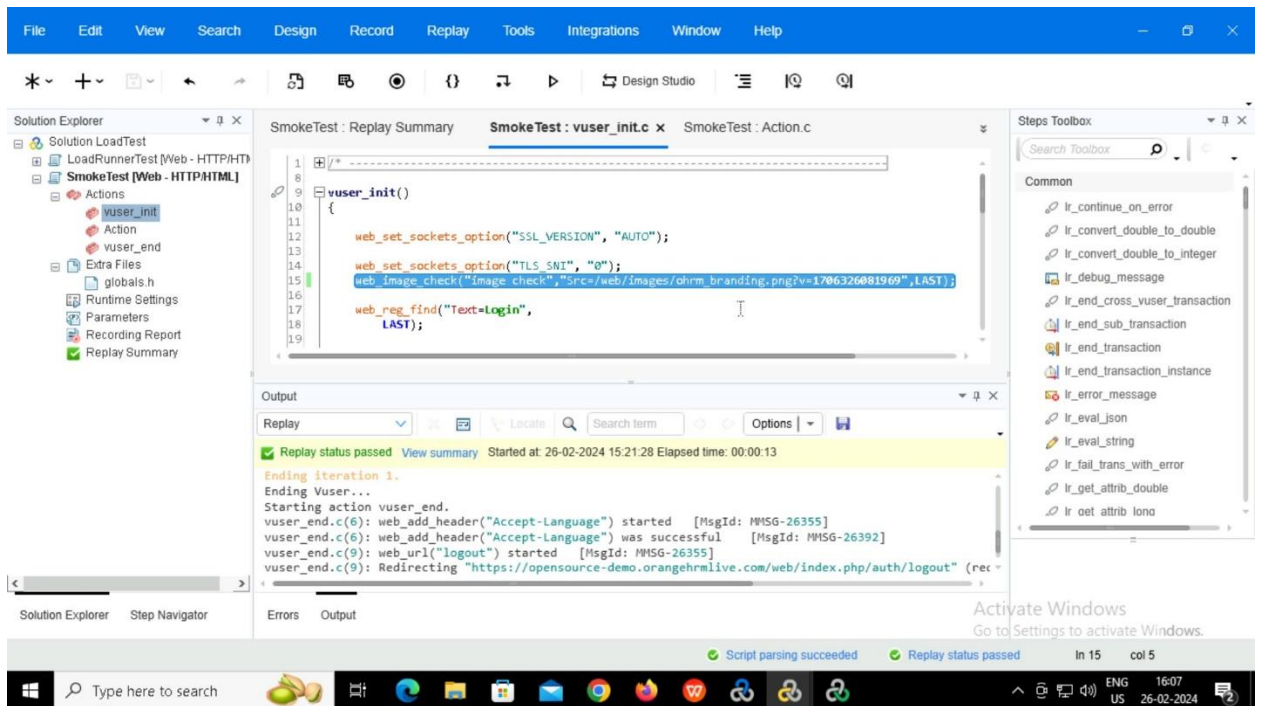


- Adding parameterization





- Image Check



- Text Check

File Edit View Search Design Record Replay Tools Integrations Window Help

Solution Explorer

- Solution LoadTest
 - LoadRunnerTest [Web - HTTP/HT]
 - SmokeTest [Web - HTTPHTML]
 - Actions
 - vuser_init
 - Action
 - vuser_end
 - Extra Files
 - globals.h
 - Runtime Settings
 - Parameters
 - Recording Report
 - Replay Summary

SmokeTest : Replay Summary

SmokeTest : vuser_init.c

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
/*
vuser_init()
{
    web_set_sockets_option("SSL_VERSION", "AUTO");
    web_set_sockets_option("TLS_SNI", "0");
    web_image_check("Image check", "Src=/web/images/ohm_branding.png?v=1706326081969", LAST);
    web_reg_find("Text=Login", LAST);
}
```

Output

Replay

Replay status passed View summary Started at: 26-02-2024 15:21:28 Elapsed time: 00:00:13

Ending iteration 1.

Ending vuser...

Starting action vuser_end.

vuser_end.c(6): web_add_header("Accept-Language") started [MsgId: MMSG-26355]

vuser_end.c(6): web_add_header("Accept-Language") was successful [MsgId: MMSG-26392]

vuser_end.c(9): web_url("logout") started [MsgId: MMSG-26355]

vuser_end.c(9): Redirecting "https://opensource-demo.orangehrmlive.com/web/index.php/auth/logout" (rec

Errors Output

Script parsing succeeded Replay status passed In 15 col 5

16:07 26-02-2024

File Edit View Search Design Record Replay Tools Integrations Window Help

Solution Explorer

- Solution LoadTest
 - LoadRunnerTest [Web - HTTP/HT]
 - SmokeTest [Web - HTTPHTML]
 - Actions
 - vuser_init
 - Action
 - vuser_end
 - Extra Files
 - AsyncCallbacks.c
 - globals.h
 - Runtime Settings
 - Parameters
 - Recording Report
 - Replay Summary

LoadRunnerTest : Runtime Settings

LoadRunnerTest : Replay Summary

Script Name: LoadRunnerTest

Script passed

Elapsed time: 00:00:17.612 hh:mm:ss.ms Started at: 26-02-2024 13:48:07 Ended at: 26-02-2024 13:48:24

Save HAR File Export to PDF

For additional details, enable the collection of replay statistics.

Choose:

Tools > Options > Scripting > Replay (select "Collect replay statistics")

These statistics include transaction breakdown information, connections, and various HTTP-related items.

Note: Enabling this option may affect the replay performance.

For additional network traffic details, enable the generation of NV Insights Report.

Choose:

Tools > Options > Scripting > Replay (select "Display NV Insights Report")

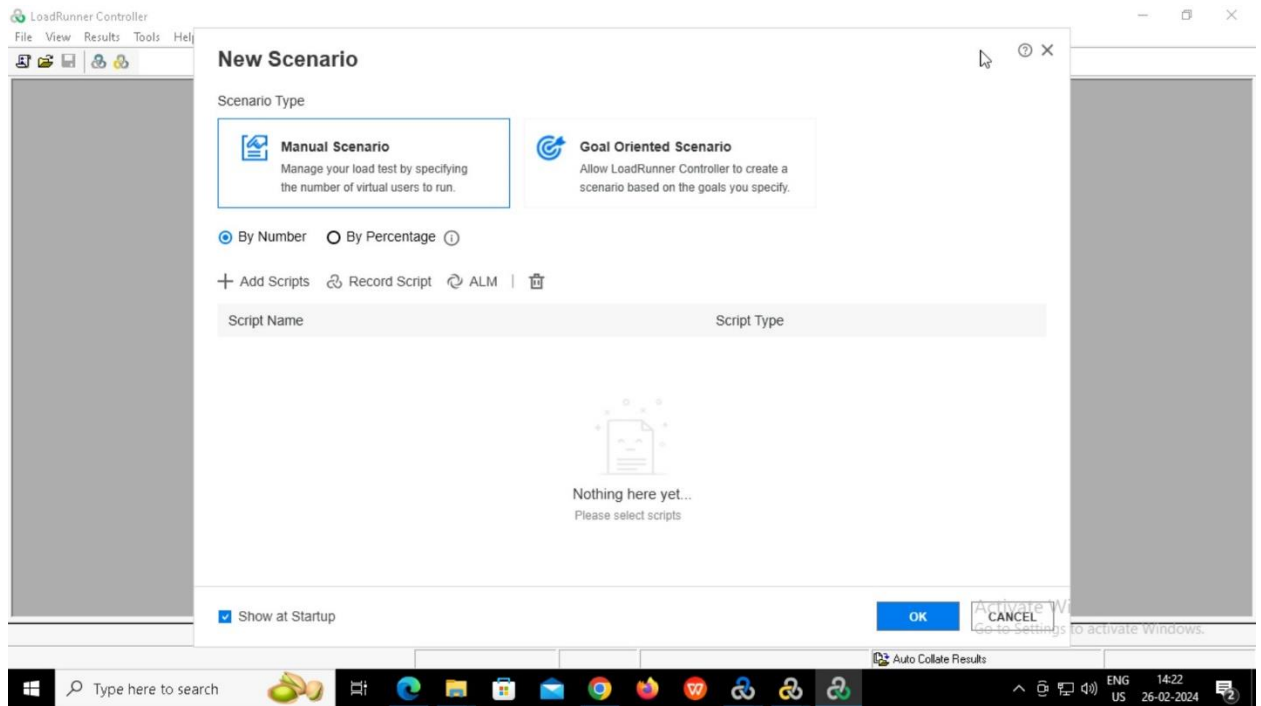
This report includes network traffic statistics and analysis

Replay status passed Script parsing succeeded In 352 col 1

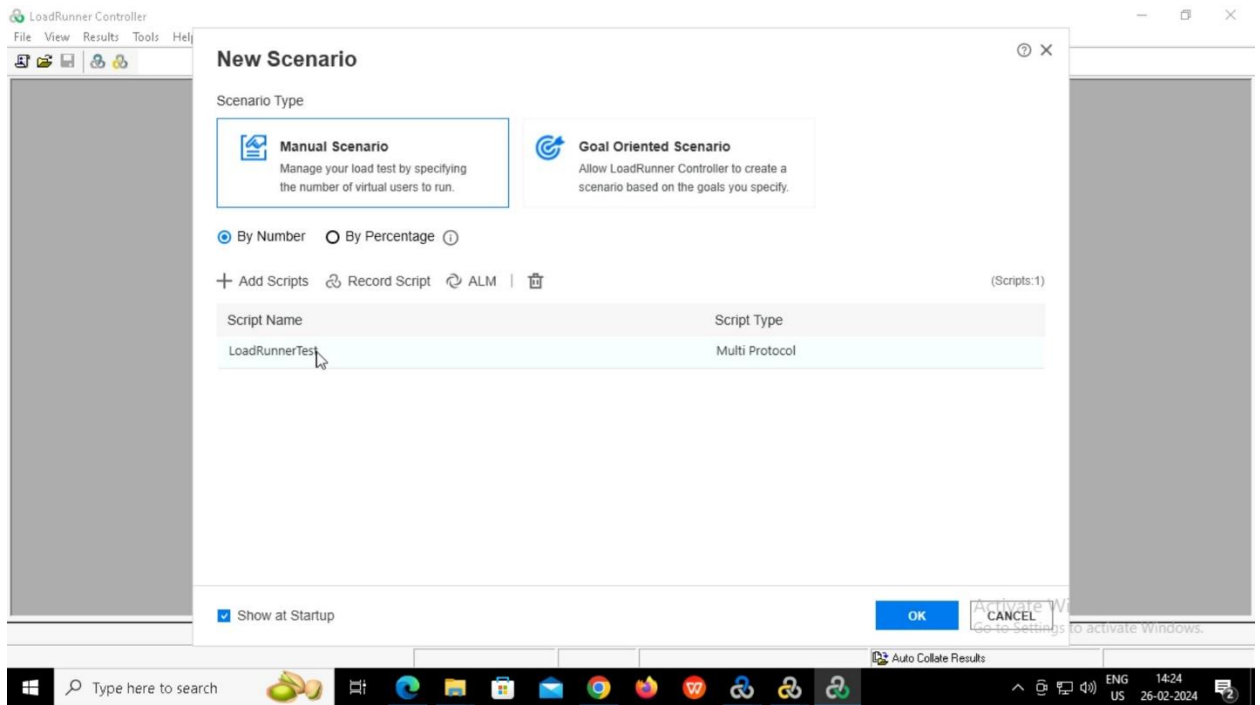
13:50 26-02-2024

Controller

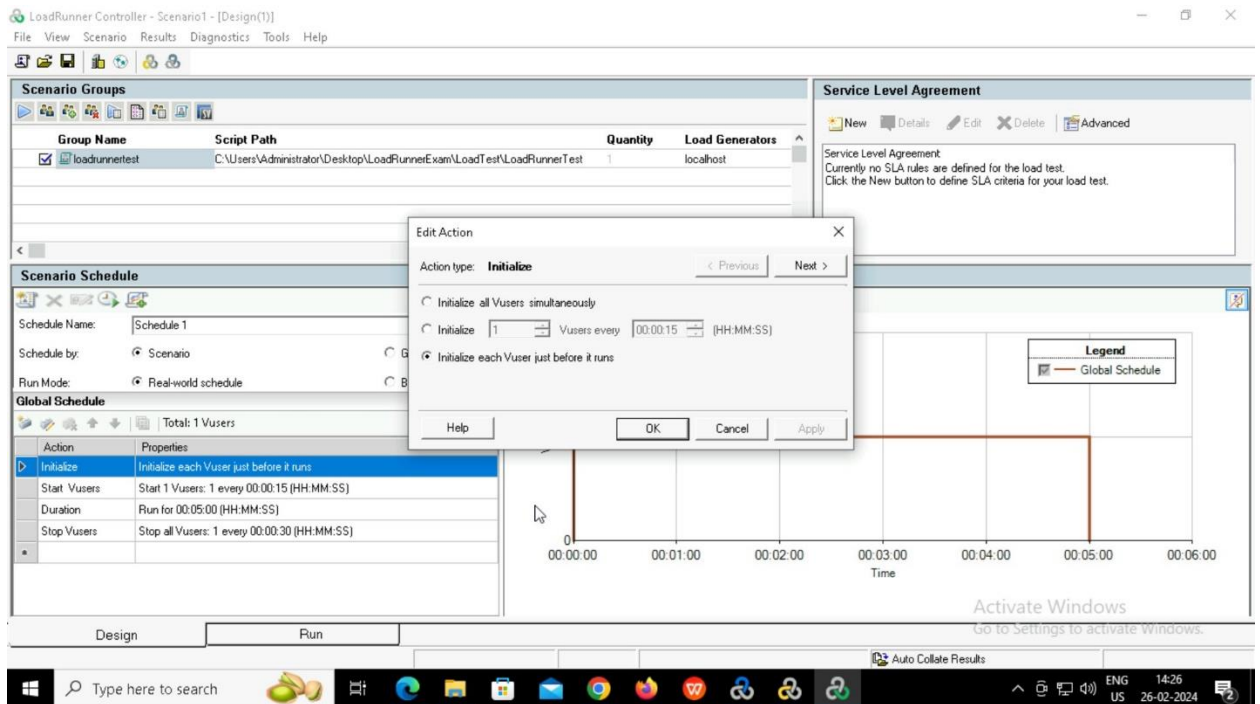
- Open the controller



- Selecting the script



- Set the ramp up, ramp down, duration



LoadRunner Controller - Scenario1 - [Design(1)]

File View Scenario Results Diagnostics Tools Help

Scenario Groups

Group Name	Script Path	Quantity	Load Generators
loadruntest	C:\Users\Administrator\Desktop\LoadRunnerExam\LoadTest\LoadRunnerTest	1	localhost

Service Level Agreement

New Details Edit Delete Advanced

Service Level Agreement
Currently no SLA rules are defined for the load test.
Click the New button to define SLA criteria for your load test.

Scenario Schedule

Schedule Name: Schedule 1
Schedule by: Scenario
Run Mode: Real-world schedule

Global Schedule

Total: 1 Vusers

Action	Properties
Initialize	Initialize each Vuser just before it runs
Start Vusers	Start 1 Vusers: 1 every 00:00:15 (HH:MM:SS)
Duration	Run for 00:05:00 (HH:MM:SS)
Stop Vusers	Stop all Vusers: 1 every 00:00:30 (HH:MM:SS)

Edit Action

Action type: Start Vusers

Start: 1 Vusers:
☐ Simultaneously
☒ 1 Vusers every 00:00:15 (HH:MM:SS)

Help OK Cancel Apply

00:00:00 00:01:00 00:02:00 00:03:00 00:04:00 00:05:00 00:06:00

Time

Legend
Global Schedule

Activate Windows
Go to Settings to activate Windows.

Auto Collate Results

ENG 14:26
US 26-02-2024

LoadRunner Controller - Scenario1 - [Design(1)]

File View Scenario Results Diagnostics Tools Help

Scenario Groups

Group Name	Script Path	Quantity	Load Generators
loadruntest	C:\Users\Administrator\Desktop\LoadRunnerExam\LoadTest\LoadRunnerTest	1	localhost

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Duration	Run for 00:05:00 (HH:MM:SS)
Stop Vusers	Stop all Vusers: 1 every 00:00:30 (HH:MM:SS)

Edit Action

Action type: Duration

☐ Run until completion
☒ Run for 0 days and 00:05:00 (HH:MM:SS)

Help OK Cancel Apply

00:00:00 00:01:00 00:02:00 00:03:00 00:04:00 00:05:00 00:06:00

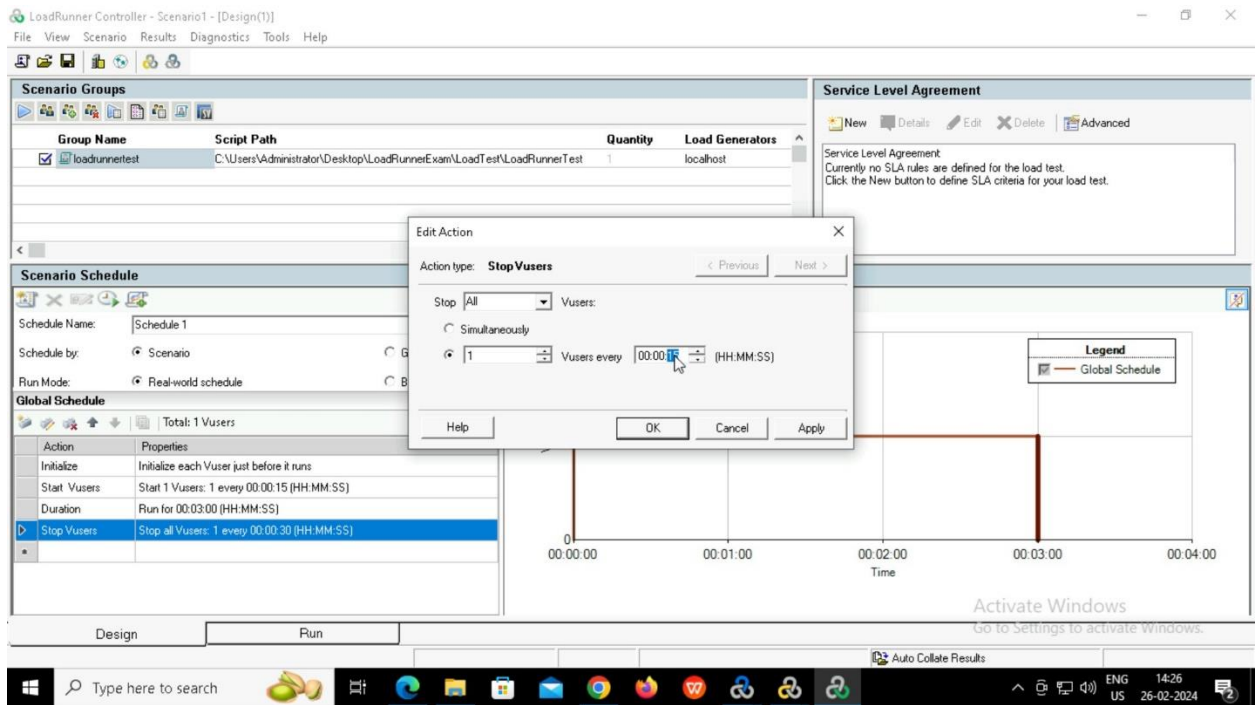
Time

Legend
Global Schedule

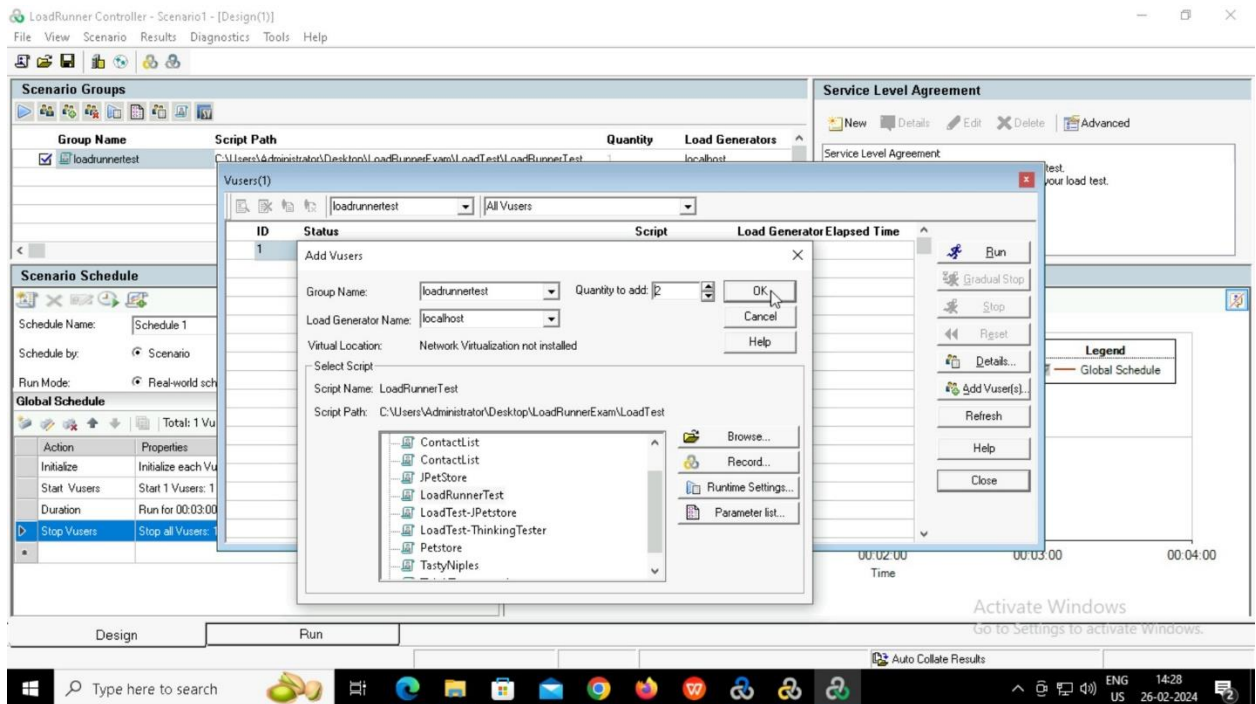
Activate Windows
Go to Settings to activate Windows.

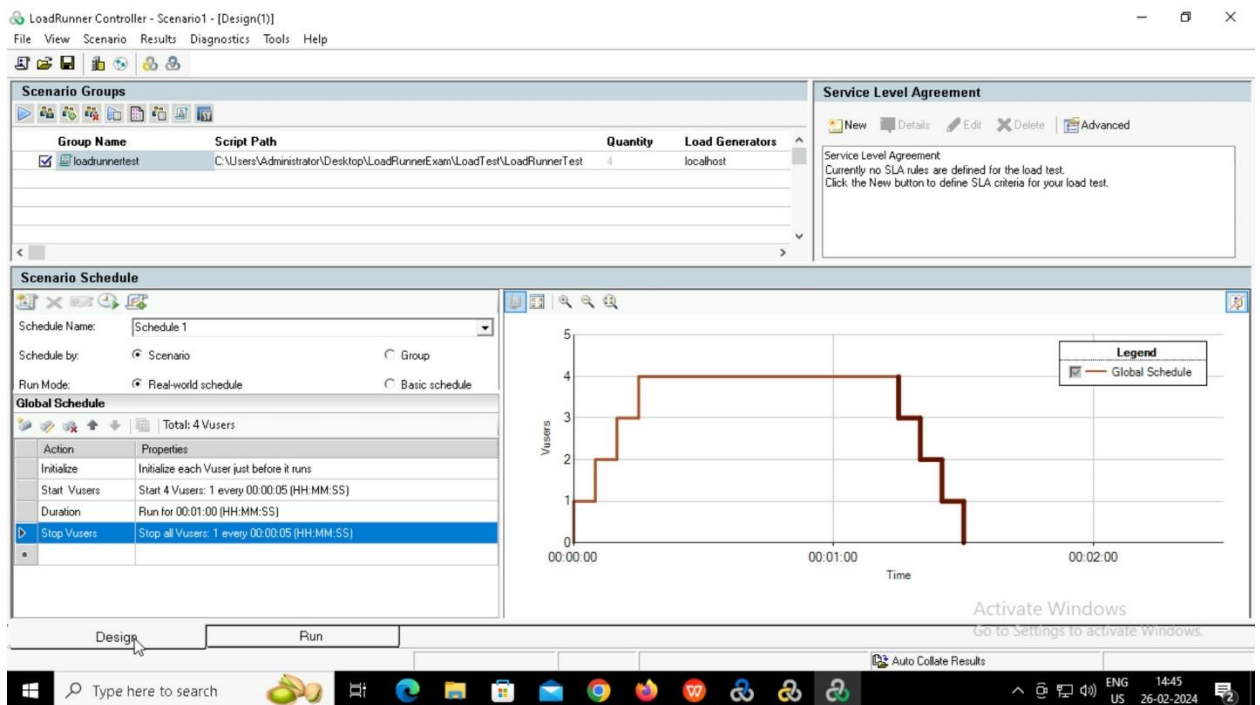
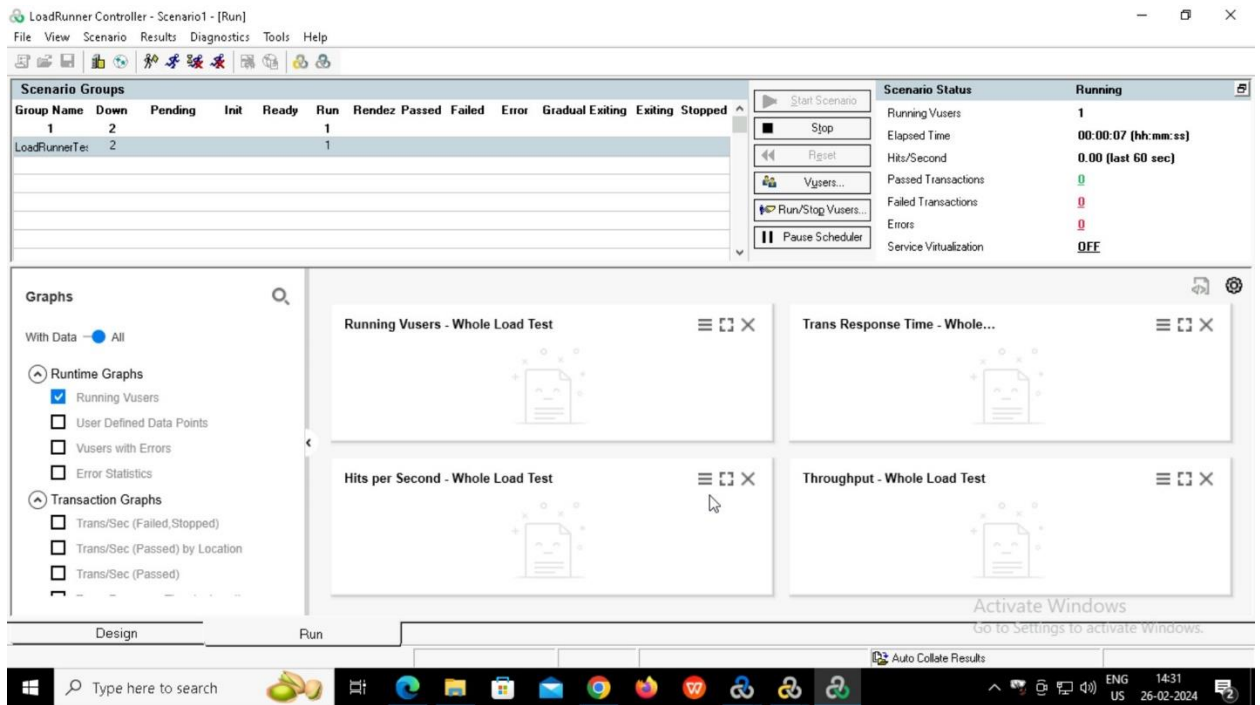
Auto Collate Results

ENG 14:26
US 26-02-2024



- Add user





LoadRunner Analysis

- For result go to result analyze result

LoadRunner Controller - LoadTestScenario1 - [Run]

File View Scenario Results Diagnostics Tools Help

Scenario Groups

Group Name	Down
1	
LoadRunnerTe:	

Results

- Analyze Results
- Export to Influx
- Collate Results
- Auto Load Analysis
- Auto Collate Results
- Insights
- Results Settings...
- Influx Settings...

Run

Run	Rendez	Passed	Failed	Error	Gradual Exiting	Exiting	Stopped
							4
							4

Scenario Status

Scenario Status	Down
Running Vusers	0
Elapsed Time	00:01:44 (hh:mm:ss)
Hits/Second	0.80 (last 60 sec)
Passed Transactions	12
Failed Transactions	0
Errors	0
Service Virtualization	OFF

Graphs

With Data - All

Transaction Graphs

- ☒ Trans/Sec (Failed, Stopped)
- ☐ Trans/Sec (Passed) by Location
- ☐ Trans/Sec (Passed)
- ☐ Trans Response Time by Location
- ☒ Trans Response Time
- ☒ Total Failed Trans
- ☐ Total Passed Trans
- ☐ Total Trans/Sec (Passed)

Running Vusers - ...

- ☒ Error
- ☒ Finished
- ☒ Ready

Throughput - ...

- ☒ Throughput

Total Failed Trans...

Trans Response...

- ☒ vuser_init_Transaction

Connections per...

- ☒ New Connections

Hits per Second - ...

- ☒ Hits Per Second

Trans/Sec...

Activate Windows

Go to Settings to activate Windows.

Application: %1 - Disabled

Type here to search

Auto Collate Results

ENG US 14:50 26-02-2024

LoadRunner Controller - LoadTestScenario1 - [Run]

File View Scenario Results Diagnostics Tools Help

Scenario Groups

Group Name	Down	Pending	Init	Ready
1				
LoadRunnerTe:				

Results

- Analyze Results
- Export to Influx
- Collate Results
- Auto Load Analysis
- Auto Collate Results
- Insights
- Results Settings...
- Influx Settings...

Run

Run	Rendez	Passed	Failed	Error	Gradual Exiting	Exiting	Stopped
							4
							4

Scenario Status

Scenario Status	Down
Running Vusers	0
Elapsed Time	00:01:44 (hh:mm:ss)
Hits/Second	0.80 (last 60 sec)
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Graphs

With Data - All

Transaction Graphs

- ☒ Trans/Sec (Failed, Stopped)
- ☐ Trans/Sec (Passed) by Location
- ☐ Trans/Sec (Passed)
- ☐ Trans Response Time by Location
- ☒ Trans Response Time
- ☒ Total Failed Trans
- ☐ Total Passed Trans
- ☐ Total Trans/Sec (Passed)

LoadRunner Analysis

Version 2023

The Industry-Standard Load Testing Solution

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Activate Windows

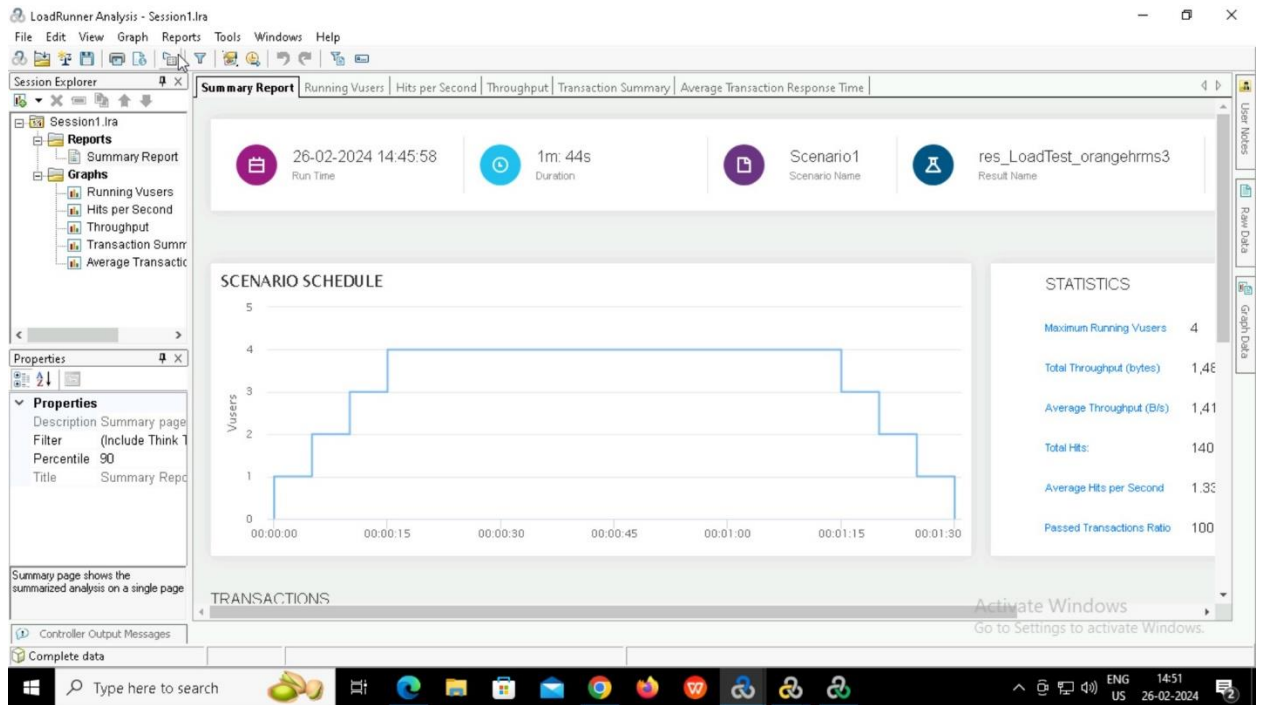
Go to Settings to activate Windows.

Application: %1 - Disabled

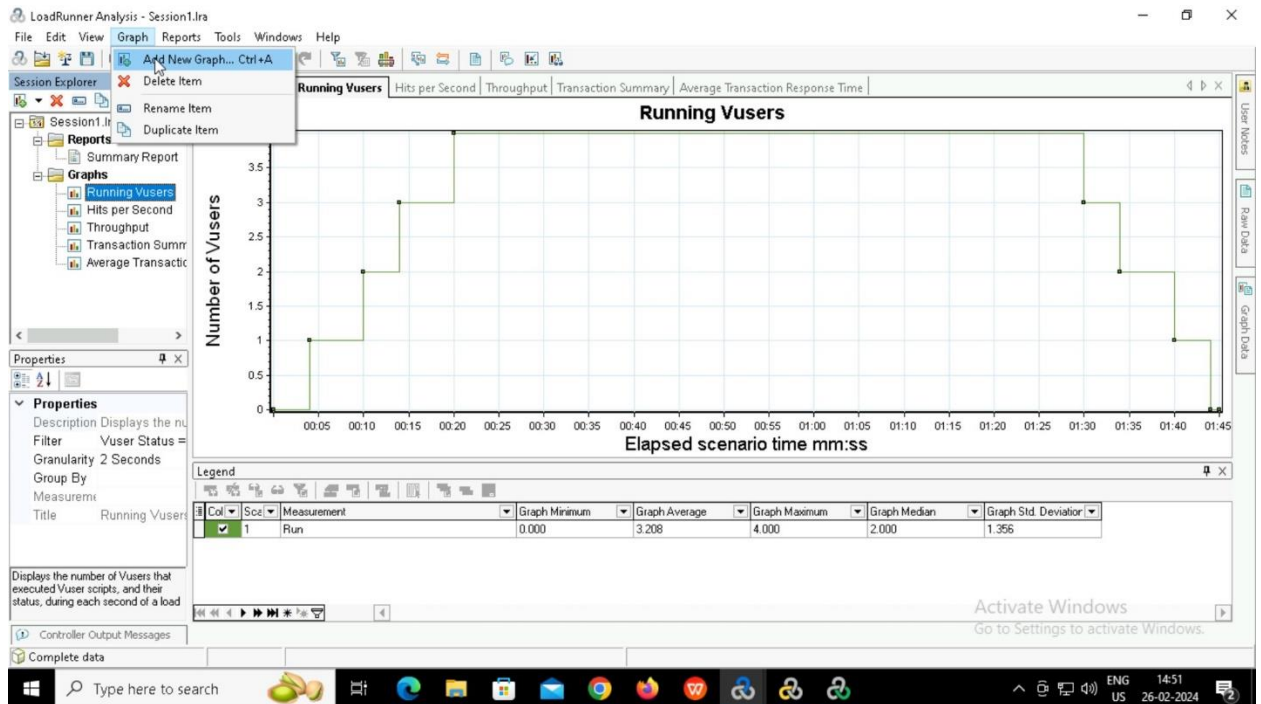
Type here to search

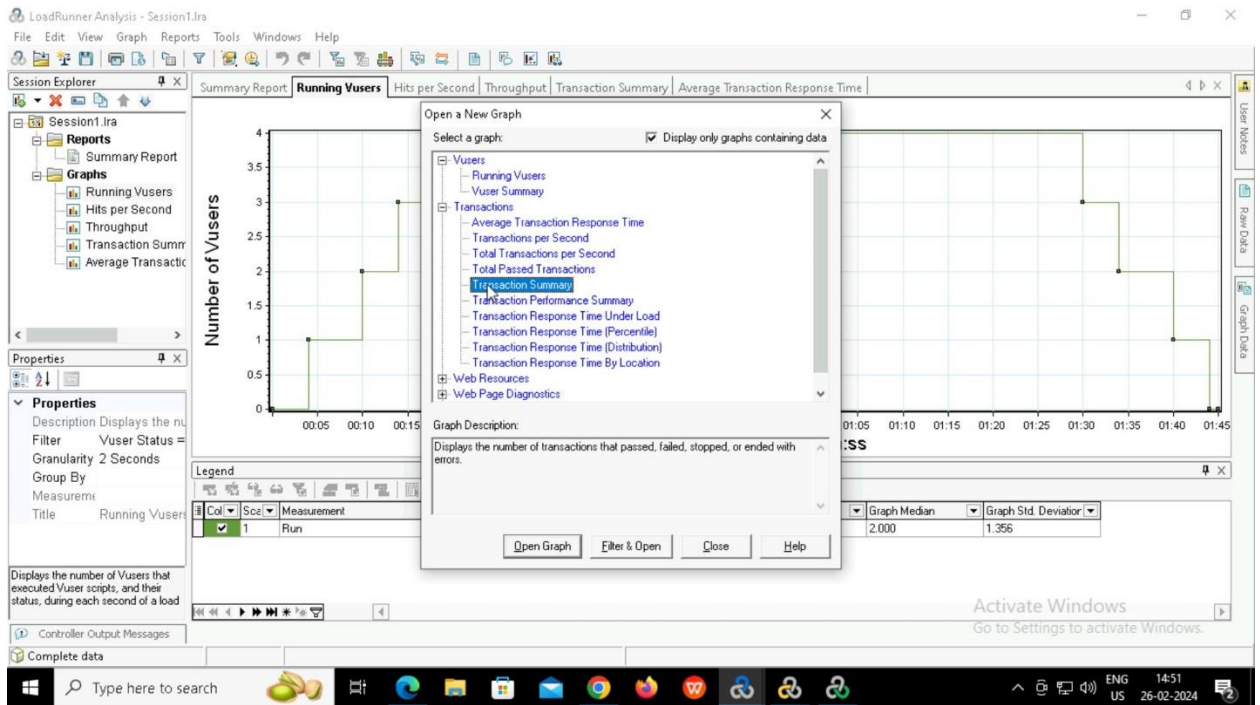
Auto Collate Results

ENG US 14:50 26-02-2024



- For adding another graph





- For adding comments

