

Digital Banking

Load Test Report

Date: 12/01/2020

Version	Date	Prepared/Modified By	Reviewed by	Approved By
1.0	12/01/2020	Performance Testing Team	Perf Team	Perf Team

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1. Purpose of Testing

The objective of this test run is to test the performance SLA's (as mentioned below) of the Digital banking application with the scenario mentioned in section 5. Also to ensure that there is no negative impact on the overall performance end-to-end

KPI	Script Details	SLA	Description
Transactions Response Time	All the scripts	3-5 seconds	End user 90 percentile response time values received at the client side from PT tools
Transaction Volume	DigitalBanking_S01_Deposit_Savings_V1	10 Per Hour	Overall volume to be achieved during the test steady state period. (Check the workload Mix document for more details)
	DigitalBanking_S02_Withdraw_Savings_V1	20 Per Hour	
	DigitalBanking_S03_Deposit_Checking_V1	30 Per Hour	
	DigitalBanking_S04_Withdraw_Checking_V1	40 Per Hour	
	DigitalBanking_S05_Transfer_Between_Accounts_V1	50 Per Hour	
Transaction Error Rate	Per script	< 2%	Transactions error / failure % based on assertions and HTTP failures
Server CPU		< 60%	Average CPU utilization
Server Memory		< 80%	Average physical memory utilization

2. Performance test observations

- 90 percentile response time for the transactions are below the mentioned SLA of 3-5 seconds
- No errors (transactions / HTTP failures) observed during the test run
- Overall CPU and physical memory utilization values are normal
- No degradation observed for any of the transactions when comparing with previous release test results

3. Test Run Information

Transaction Name	Minimum
Test Execution Window	30-11-2020 14:21:52 – 14:32:09 IST
Test Execution Duration	10 minutes and 17 seconds
Maximum Running Users	1
Total Throughput Bytes	2683,68,275
Total Hits	2,900
Average Hits Per Second	4.693
Error Count	0

4. Transaction Response Time

Below table lists the overall transactions status of the business scenario executed in the test run

Transaction Name	Minimum	Average	Maximum	Std. Deviation	90 Percent	Pass	Fail	Stop
DB_S01_Deposit_T01_LaunchHome	0.122	0.301	2.891	0.595	0.231	20	0	0
DB_S01_Deposit_T02_Login	0.295	0.346	0.616	0.065	0.369	20	0	0
DB_S01_Deposit_T03_ClickDepositMenu	0.084	0.14	0.233	0.034	0.174	20	0	0
DB_S01_Deposit_T04_EnterAmount_Submit	0.133	0.246	0.917	0.158	0.265	20	0	0
DB_S01_Deposit_T05_Logout	0.069	0.125	0.28	0.05	0.159	20	0	0

5. Use case Details

Below table lists the overall transactions status of the business scenario executed in the test run

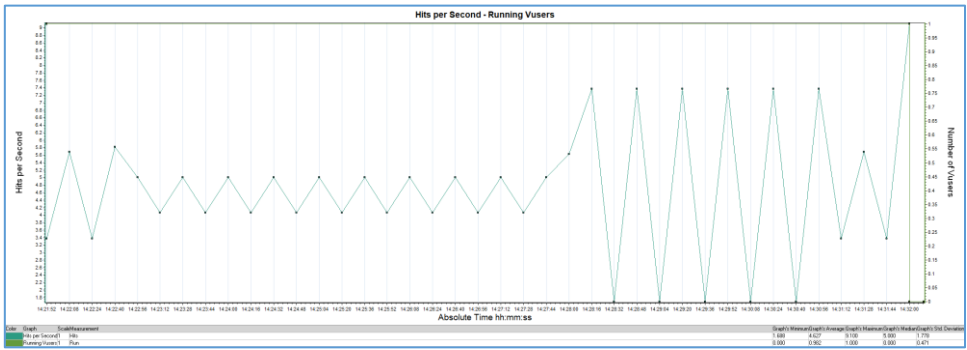
Script Name	Use Case Description	Document Path
DigitalBanking_S01_Deposit_Savings_V1	User deposits amount to savings account	Click Here
DigitalBanking_S02_Withdraw_Savings_V1	User withdraws amount from Savings	Click Here
DigitalBanking_S03_Deposit_Checking_V1	User deposits amount to checking account	Click Here
DigitalBanking_S04_Withdraw_Checking_V1	User withdraws amount from checking account	Click Here
DigitalBanking_S05_Transfer_Between_Accounts_V1	User transfers amount between accounts	Click Here

6. Scenario Details

Below table lists the workload mix for the given application

Use Case	Use Case Sub Type	Target Volume	User Load %	Total Distribution %
Deposits	Family Savings	xx	10	25
	Family Money Market	xx	5	
	Individual Savings	xx	25	
	Individual Money Market	xx	10	
	Family Standard Checking	xx	10	
	Family Interest Checking	xx	25	

Running Users vs. Hits Per Second:



9. Error Details

- No errors observed during the test