# 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 section5. 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		
	DigitalBanking_S01_Deposit_Savings_V1	10 Per Hour			
	DigitalBanking_S02_Withdraw_Savings_V1	20 Per Hour	Overall volume to be achieved during the test		
Transaction	DigitalBanking_S03_Deposit_Checking_V1	30 Per Hour	steady state period. (Check the workload Mix		
Volume	DigitalBanking_S04_Withdraw_Checking_V1	40 Per Hour	document for more details)		
	DigitalBanking_S05_Transfer_Between_Acco unts_V1	50 Per Hour	document for more details)		
Transaction	Per script	< 2%	Transactions error / failure % based on assertions		
Error Rate	rei script	~ 290	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 %	
	Family Savings	XX	10		
	Family Money Market	XX	5		
Donosits	Individual Savings	XX	25	25	
Deposits	Individual Money Market	xx	10		
	Family Standard Checking	XX	10		
	Family Interest Checking	XX	25		

Individual Standard Checking		xx	10		
	Individual Interest Checking	XX	5		
	Family Savings	XX	10		
	Family Money Market	XX	5		
	Individual Savings	XX	25		
Withdrawal	Individual Money Market	XX	10	25	
withurawar	Family Standard Checking	XX	10	25	
	Family Interest Checking	XX	25		
	Individual Standard Checking	XX	10		
	Individual Interest Checking	XX	5		
Transfer between accounts	unts Between Accounts (Random, equal distribution)		100	5	
	Searching for the balance (for external calls)	xx	50		
Search Balance Web Service	View Checking	xx	20	30	
	View Savings	xx	30		
Create New Account	Savings	XX	60	10	
Create New Account	Checking	xx	40	10	
	Load Dashboard	XX	60		
Other Transactions	Update Profile	XX	20	5	
	Find ATM Locations	xx	20		

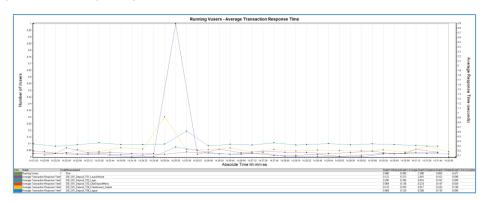
#### 7. Test Data Details

Below table lists the test data utilized in the performance run

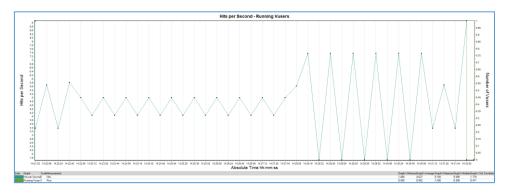
Script Name	Test Data	Details
Digital Danking CO1 Danasit Cavings V1	P_UserName	User name for Login (non-destructive, unique)
DigitalBanking_S01_Deposit_Savings_V1	P_Password	Passwordfor Login (non-destructive, unique)

#### 8. Additional Performance Testing Graphs

#### Running Users vs. Avg. Response Time:



## Running Users vs. Hits Per Second:



## 9. Error Details

> No errors observed during the test