Status: `APPROVED`

Approval:

Name	Role	Date	Comment
Anne Dahl	Delivery manager BankID, eSecurity IT	28.01.2019	Approved in go/nogo meeting
Morten Gjestad	Delivery Manager, eSecurity IT	28.01.2019	Approved in go/nogo meeting

Test Resources

Role	Name	Responsibility
Test lead / Tester	Anita Arsjø	Define schedule, work allocation for test engineers and plan test activities. Report test results and status
Technical and functional tester	Dag Halldal	
Performance test	Renatus Antonius Geers	
Functional test	Amruta Singh and Seebani Mishra	Regression test

Introduction

This delivery consists of changes and improvements related to the performance in Nets VA to handle the pressure on the day when the Tax Report / Tax Return is published, in April 2019.

In addition to this structural changes has been done to the code. The Epic of this delivery is: https://jira-dev.nets.no/browse/BIDD-8454.

This report covers the acceptance test of the above and this report covers only test in Nets test environment in addition to Pre-Production

Detailed report showing all tests and test status can be found in Nets' Test Management system. Remaining bugs and defects are extracted from Jira.

Executive summary of result

This chapter describes the result of product quality, any risks, problems, instabilities etc.

In this delivery, it has particularly been the performance test that has had focus, in addition to regression test of the system and Nets VA. Both manual and automated tests have been executed during system test.

Product quality

The risk areas in the delivery have been tested well, and risk area in this delivery has been to verify that the system is more robust and Nets VA can handle increased performance on Taxday, 2019.

The regression test has verified that Nets VA work according to the required specifications.

Performance

Performance tests will be able to answer how big one needs to dimension the operating environment, whether bottlenecks that can lead to errors, whether there is resource leakage so the system must be restarted periodically, which errors will come when something unexpected happens in the environment etc.

During the performance test, the system has been subjected to a certain load, triggered special situations, and then observed what happens in relation to end users and use of resources.

In order for performance tests to provide reproducible, secure measurements, performance tests should be conducted in a stable environment where all components are unchanged and continuously running, during each run of the performance tests.

The goal of these tests has been to meet the performance parameter set by BU/NNI in Nets, which are related to the performance numbers required to meet the Taxday type of load.

In this delivery there has been a goal to remove a bottleneck discovered when testing Validator patch in H2 2018. The bottleneck took form as a congestion when there are longer period of high load, as for instance happens during Tax Return day in Norway.

The performance tests performed show that new functionality has had a good impact on performance.

The test has shown that bottleneck of NetsVA has been reduced and the amount of error percentage from last Taxday has been reduced.

A detailed test report on performance test is located here "Test report Performance Taxday 2019 improvement"

Bugs

There has not been found any bugs or other bottlenecks during test of this release.

Risks

N/A

Recommendation

Recommendation for delivery to Pre-Production

All of the tests we consider necessary are executed, verified and tested ok.

The risk areas in the delivery have been tested well. The test has shown that the system is robust, the bottleneck is removed and Nets VA can handle Taxday load as expected.

Test Manager think we have a good basis for providing a recommendation for transition to Pre-Production.

Test manager recommend transferring the delivery to Pre-Production

Evaluation of test results

Basis table for decision for approval or cancellation of the assignment

Criteria	Yes	No	Comment
All test activities have been completed and with approved results	x		
All test activities have been completed but not all tests have approved results		N/A	All test activities has been completed and all tests is approved
Not all test activities have been completed but it has been decided that they will not be performed		N/A	All test activities have been completed
All errors and variations of category **Critical**, **Blocker** are corrected and retested		N/A	No bugs is reported
All errors and deviations of category **Major** are corrected and retested		N/A	No bugs is reported

All errors and deviations of category **Major** are not corrected but it is possible to bypass the error without negative consequences		N/A	No bugs is reported
All errors and deviations of category **Major** are not corrected but the claim is waived.		N/A	No bugs is reported
Overall rating of all and the number of category **Minor** errors gives a higher risk than is acceptable		N/A	No bugs is reported
Necessary regression tests have been performed after the last fix in the test environment	X		
Automated tests are performed and performed with approved results and are stable	X		

Overview over bugs/deviation

N/A

Comments during go/no-go for Preproduction

In the meeting held 28th january, the decision was made to not go to Preproduction due to curent unstability in PreProduction last week. We have to get the unstability under control before installation of Taxday release in PreProduction.

The release was installed in Pre-Production 31st of January 2019.

Comments during go/no-go for Production

The meeting was held Wednesday 6th february, and the recommendation was to go in Production with the release.