

UXPROD-3944 NFR Scorecard

Please, refer to [FOLIO NFR Scorecard](#) for detailed information

	Quality Attribute	NFR ID	Non-Functional Requirement	Preliminary Analysis (Before feature started)- Date and Status	Preliminary Analysis (After feature completed) - Date and Status	Final Analysis - Date and Status	Notes and Comments
1	Availability	NFR.Availability.1	Modules are designed and implemented following the Stateless principle	Mar 2, 2023 NON COMPLIANT	Apr 26, 2023 COMPLIANT		Now scheduling configuration stored in memory and module can work only with 1 instance. After feature implementation scheduling configuration will be stored in Quartz internal tables, can be scaled and will fully satisfy stateless principles
2		NFR.Availability.2	Load / performance testing must be conducted for at least 2 instances	Apr 26, 2023 NOT APPLICABLE	Apr 26, 2023 COMPLIANT		Before feature started scheduling can work only with single module of mod-data-export-spring enabled. After feature implemented we need to retest with 2 instances to check that implementation is reliable, we don't expect that performance increased a lot, but we should verify that export completed successfully with 2 instances. We need to test by ourself to run multiple jobs at the same time, test that scheduling remain working after instances restart without manually enabling them, check that after some instance destroyed another instance pick ups scheduling work. Also we need to create separate ticket to Kitfox to re-test export(they already have jmx script to test it)
3	Manageability	NFR.Manageability.1	Application logs are collected in unified form and location		Apr 26, 2023 COMPLIANT		Standard logging approach
4		NFR.Manageability.2	All custom configuration values are placed in the settings, not in the program code		Apr 26, 2023 COMPLIANT		Will use spring application.yml for all Quartz properties, so quartz can be configured without modifying source code(clustered or not, checkInterval, etc)
5	Performance	NFR.Performance.1	Components are performance tested and compared to the prior release baseline; performance may not degrade more than 5% in exceptional cases		Apr 26, 2023 NOT APPLICABLE		We don't have any performance baseline for old scheduler and for new implementation with Quartz it will also not applicable

6	Security	NFR.Security.1	Tenant data must be isolated from other tenants	Apr 26, 2023 COMPLIANT	Apr 26, 2023 COMPLIANT		We will try to use only configId and tenantId in common quartz schema for all tenants. All job details will be not stored in common SQL schema
7		NFR.Security.2	Secrets (such like usernames, passwords, API keys and/or their combinations) are not stored in source repositories (i.e. Github)	Apr 26, 2023 COMPLIANT	Apr 26, 2023 COMPLIANT		Will need code review for the final implementation
8		NFR.Security.3	No sensitive information in logs (logins, passwords, API keys)	Apr 26, 2023 COMPLIANT	Apr 26, 2023 COMPLIANT		Will need code review for the final implementation, check logs don't have any sensitive information
9	Testability	NFR.Testability .1	Unit-test coverage for new code created / changed during the implementation of the feature >= 80%	Apr 26, 2023 COMPLIANT	Apr 26, 2023 COMPLIANT		Will need check Sonar code coverage after final implementation
10		NFR.Testability .2	E2E-test coverage - # of automated tests cases from test rail to # of all test cases at particular feature	Apr 26, 2023 COMPLIANT	Apr 26, 2023 COMPLIANT		<p>We already had 4 automation tests for Edifact Exports:</p> <p>https://foliotest.testrail.io/index.php?/suites/view/21&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=17493</p> <p>We already have different manual tests cases for Edifact Export, we need to write automation tests for them based on priority</p> <p>We don't have any automation tests for bursar export, we have only manual tests cases written that need to be passed after Quartz implementation</p> <p>There are Bursar test cases and scheduling test cases in TestRail- please make QA runs applicable tests before the story is closed</p>
11		NFR.Testability .3	Karate-test coverage - # of test to # of new endpoints that were created (or existing endpoints that were changed) in the feature scope	Apr 26, 2023 NON COMPLIANT	Apr 26, 2023 COMPLIANT		<p>We did not have karate tests for both Edifact and Bursar exports before feture started.</p> <p><i>After feature implementation</i></p>

LEGEND: Enumeration of possible statuses

COMPLIANT Compliance checked and confirmed

NON COMPLIANT Compliance checked, non-compliance found

NOT VERIFIED Compliance not checked

NOT APPLICABLE Compliance not required, requirement not applicable