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| **Performance Analysis Summary Report** | | | |
| **Test Name | Release Name** | | Assurity Consulting Performance Assignment | |
| **Test Status** | | **PASS** | |
| **Objective** | | | |
| * To verify Get Category API Performance in terms of response time and whether within SLA of 500ms | | | |
| **Executive Summary** | | | |
| * The objective of the test is to verify the response of the API whether it is within SLA of 500ms under load. * Four rounds of test were executed in both GUI (3) and non-GUI (1) mode. * During the second test observed 90th percent response time was 504ms which has breached SLA. Therefore, executed another round of test and response times were within SLA. * There was an error rate which was due to one Assertion failed for 1 test data in all rounds. It gets the different response, so response assertion was failed. * Considering all the test results this test can be marked as **PASS**. | | | |
| **Recommendations** | | | |
| * It is better to remove the test data which was failing as getting incorrect response. * Also, to get more accurate results it is better to execute the test at least for 10 mins steady state. * It is recommended to consider server resource details such as CPU utilization, Memory utilization during the test execution in actual test. | | | |
| **Key Performance Indicators** | | | |
| **Indicator** | | **Status** | **Comment** |
| Response Time | |  | During second test 90th response time has breached with 4ms and the response time of all other test are within SLA |
| **Test Execution Date** | | | |
| * 01/09/2023 & 01/10/2023 | | | |
| **Observations** | | | |
| * The following was 90th Percentile response time during 4 round of test execution  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **API** | **90th Percentile Response time (in ms)** | | | | | **Test1** | **Test2** | **Test3** | **Test4** | | GET /v1/Categories/CategoryID/  Details.json?catalogue=false | 454 | 504 | 453 | 418 |  * Test was executed only for 1 min steady period and ramp up was just 5 second with 5 virtual users. Response time will get more accurate if the test execute for longer duration as the data set will get increased. * Observed failure in 1 request in every test for the Category ID 6331 as it returns "CanRelist":false but the assertion was "CanRelist": true. Therefore, the request has failed. | | | |
| **Scenario/s or Workflows** | | | |
| 1. Get Category Details   GET /v1/Categories/CategoryID/Details.json?catalogue=false  Test data – 10 Categories | | | |
| **Test Strategy** | | | |
| Environment | Sandbox(api.tmsandbox.co.nz) | | |
| Test Type | Load Test | | |
| User load | 10 transactions per min | | |
| Test Duration | 1 min | | |
| Sub systems/Servers monitored | N/A | | |