**Performance & Environment Services**

**Performance Cycle2 Interim Test Summary Report**

Program/Project Name:

Program/Project Number: TB982

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# Testing Objectives

* To verify the Performance of ODA application for create and Search order functionality

# Recommendations

Recommend final round of Peak+20% Load in order to check sustainability for forecasted load growth.

# Summary

Cycle2 Test was conducted for 5 hours out of which first 2 hour average test (Average1) was executed, next 2 hour with Peak (Peak) and finally 1 hour again with average (Average2) to cover the soak test conditions for the application in one go.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Component** | **Test Type** | | | **Fail Reason** | **Recommendations**  **/Observations** | **Comments** |
| **Cycle2**  **Average1 (Pass/Fail)** | **Cycle2**  **Peak Test (Pass/Fail)** | **Cycle2**  **Average2**  **(Pass/Fail)** |
| Performance Test– Cycle2 | Pass | Pass | Pass |  | All the transactions are within acceptable limits as per defined SLA  except Account and Customer details page. |  |
|  |  |  |  |  |  |  |

* + 1. **Description**

Following two scenarios were covered for this Test

1. Create Order
2. Search Order

# Test Execution

Find the following 3 Test Results separately of overall 5 hours test executed for Cycle2 out of which first 2 hour average load test(Average1) was executed, next 1 hour with Peak(Peak) and finally 1 hour again with average(Average2).

### Cycle2-Average1 Load Test Result(2 hours)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Transaction Name** | **Minimum** | **Average** | **Maximum** | **Std. Deviation** | **95 Percent** | **Pass** | **Fail** |
| **Create Order** | | | | | | | |
| CreateOrder\_01\_Home\_Page | 0.094 | 0.476 | 3.292 | 0.801 | 0.718 | 14 | 0 |
| CreateOrder\_01\_Login | 1.576 | 2.262 | 3.154 | 0.508 | 3.026 | 14 | 0 |
| CreateOrder\_02\_CreateNewQuote | 1.154 | 1.542 | 2.683 | 0.463 | 2.465 | 14 | 0 |
| CreateOrder\_03\_AddBusType | 1.143 | 1.351 | 1.736 | 0.158 | 1.669 | 15 | 0 |
| CreateOrder\_04\_AddLocation | 1.123 | 1.305 | 1.466 | 0.105 | 1.451 | 15 | 0 |
| CreateOrder\_05\_ViewPricingPlans | 2.529 | 3.001 | 3.572 | 0.314 | 3.39 | 15 | 0 |
| CreateOrder\_06\_SelectPlan\_Next | 3.619 | 4.231 | 5.101 | 0.496 | 5.008 | 15 | 0 |
| CreateOrder\_07\_AcctDetails\_Next | 5.919 | 6.984 | 8.252 | 0.716 | 8.096 | 15 | 0 |
| CreateOrder\_08\_CustDetails | 3.775 | 6.084 | 23.353 | 4.809 | 9.205 | 15 | 0 |
| CreateOrder\_09\_BusDetails\_Next | 2.371 | 3.108 | 5.491 | 0.762 | 4.212 | 15 | 0 |
| CreateOrder\_10\_Confirm\_Email | 2.668 | 3.121 | 6.072 | 0.805 | 3.245 | 15 | 0 |
| **Search Order** | | | | | | | |
| Order\_Search\_HomePage | 0.094 | 0.548 | 9.095 | 0.966 | 1.513 | 343 | 0 |
| Order\_Search\_Login | 1.622 | 2.489 | 5.382 | 0.581 | 3.229 | 342 | 0 |
| **Search by Order Reference Number** | | | | | | | |
| Search\_Order | 1.154 | 1.469 | 4.757 | 0.445 | 1.685 | 173 | 0 |
| **Search by SOS Acct Number** | | | | | | | |
| Order\_Search\_AcctNum | 1.108 | 1.489 | 4.29 | 0.405 | 1.722 | 169 | 0 |

### Cycle-2 Peak Load Test Result(2 hours)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Transaction Name** | **Minimum** | **Average** | **Maximum** | **Std. Deviation** | **95 Percent** | **Pass** | **Fail** |
| **Create Order** | | | | | | | |
| CreateOrder\_01\_Home\_Page | 0.094 | 0.522 | 3.107 | 0.911 | 3.08 | 37 | 0 |
| CreateOrder\_01\_Login | 1.863 | 2.449 | 3.299 | 0.414 | 3.173 | 37 | 0 |
| CreateOrder\_02\_CreateNewQuote | 1.092 | 1.425 | 2.652 | 0.319 | 1.684 | 37 | 0 |
| CreateOrder\_03\_AddBusType | 1.068 | 1.425 | 2.773 | 0.344 | 1.98 | 37 | 0 |
| CreateOrder\_04\_AddLocation | 1.068 | 1.429 | 2.122 | 0.242 | 1.733 | 37 | 0 |
| CreateOrder\_05\_ViewPricingPlans | 2.324 | 3.204 | 9.499 | 1.247 | 3.9 | 37 | 0 |
| CreateOrder\_06\_SelectPlan\_Next | 3.479 | 4.376 | 9.22 | 1.073 | 5.429 | 37 | 0 |
| CreateOrder\_07\_AcctDetails\_Next | 5.87 | 7.29 | 9.225 | 0.678 | 8.112 | 37 | 0 |
| CreateOrder\_08\_CustDetails | 3.365 | 4.463 | 6.59 | 0.592 | 5.211 | 37 | 0 |
| CreateOrder\_09\_BusDetails\_Next | 2.269 | 3.001 | 4.866 | 0.571 | 3.65 | 37 | 0 |
| CreateOrder\_10\_Confirm\_Email | 2.418 | 2.998 | 5.33 | 0.564 | 3.432 | 36 | 0 |
| **Search Order** | | | | | | | |
| Order\_Search\_HomePage | 0.078 | 0.499 | 9.313 | 0.928 | 0.889 | 398 | 0 |
| Order\_Search\_Login | 1.435 | 2.486 | 6.895 | 0.638 | 3.292 | 397 | 0 |
| **Search by Order Reference Number** | | | | | | | |
| Search\_Order | 1.03 | 1.455 | 4.337 | 0.346 | 1.747 | 197 | 0 |
| **Search by SOS Acct Number** | | | | | | | |
| Order\_Search\_AcctNum | 1.092 | 1.496 | 4.06 | 0.36 | 1.747 | 201 | 0 |

### Cycle2-Average2 Load Test Result(1 hour)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Transaction Name** | **Minimum** | **Average** | **Maximum** | **Std. Deviation** | **95 Percent** | **Pass** | **Fail** |
| **Create Order** | | | | | | | |
| CreateOrder\_01\_Home\_Page | 0.094 | 0.225 | 0.312 | 0.101 | 0.312 | 10 | 0 |
| CreateOrder\_01\_Login | 1.863 | 2.506 | 3.448 | 0.498 | 3.089 | 10 | 0 |
| CreateOrder\_02\_CreateNewQuote | 1.17 | 1.377 | 1.56 | 0.119 | 1.498 | 10 | 0 |
| CreateOrder\_03\_AddBusType | 1.17 | 1.391 | 1.7 | 0.172 | 1.576 | 10 | 0 |
| CreateOrder\_04\_AddLocation | 1.217 | 1.43 | 2.106 | 0.256 | 1.607 | 10 | 0 |
| CreateOrder\_05\_ViewPricingPlans | 2.48 | 3.353 | 6.302 | 1.054 | 3.806 | 10 | 0 |
| CreateOrder\_06\_SelectPlan\_Next | 3.65 | 4.68 | 6.708 | 0.945 | 5.702 | 10 | 0 |
| CreateOrder\_07\_AcctDetails\_Next | 6.053 | 7.063 | 8.549 | 0.8 | 8.174 | 10 | 0 |
| CreateOrder\_08\_CustDetails | 4.196 | 4.704 | 5.591 | 0.497 | 5.36 | 10 | 0 |
| CreateOrder\_09\_BusDetails\_Next | 2.418 | 3.146 | 5.741 | 0.915 | 3.487 | 10 | 0 |
| CreateOrder\_10\_Confirm\_Email | 2.527 | 2.96 | 3.609 | 0.368 | 3.526 | 11 | 0 |
| **Search Order** | | | | | | | |
| Order\_Search\_HomePage | 0.094 | 0.581 | 9.922 | 1.176 | 1.092 | 174 | 0 |
| Order\_Search\_Login | 1.529 | 2.601 | 6.162 | 0.705 | 3.26 | 176 | 0 |
| **Search by Order Reference Number** | | | | | | | |
| Search\_Order | 1.076 | 1.369 | 2.418 | 0.224 | 1.576 | 90 | 0 |
| **Search by SOS Acct Number** | | | | | | | |
| Order\_Search\_AcctNum | 1.123 | 1.435 | 3.541 | 0.327 | 1.716 | 86 | 0 |

# Deviations from the Detailed Test Plan

A number of deviations from the DTP were necessary during execution.

## Deviation 1

Following scenarios were not included in Performance Test

1. New Quote
2. Re-Quote

As quote is made out of scope for current release

# Performance Defects

## Open Defects

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Defect ID** | **Summary** | **Severity** | **Root Cause** | **Impact** | **Actions Plan** | **Responsible Person** | **Planned Completion Date** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Closed Defects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Defect ID** | **Summary** | **Severity** | **Root Cause** | **Resolution** |
|  |  |  |  |  |

# Application Code Fixes and Environment Configuration Changes

## Application Code Fixes

Following are extracts from the release notes that accompanied code drops performed during the course of testing. These enhancements were specifically to address performance defects.

|  |  |
| --- | --- |
| **Item** | **Description** |
| CF 001 |  |

## Environment Configuration Changes

Following are configuration changes made to the application servers and databases in order to enhance performance during testing.

|  |  |
| --- | --- |
| **Item** | **Description** |
| EC 001 |  |
| EC 002 |  |

# 

# Document Control and Approval

* 1. Responsibilities

Responsibilities for this document have been assigned as follows:

| **Role** | **Responsibility** | **Assigned to** | **Position** |
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* 1. Version Control

| Version | Date | Section | Nature of Amendment | Amendment Author |
| --- | --- | --- | --- | --- |
| 1.0 | 03/02/2012 | All | Final |  |

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