**<Name Of Performance Test Plan>**

Author: <Author>

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Version: <Version>

Date: <Date>

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Preamble

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Recipients |
| <version> | <Date> | <Author> | <Recipients> |

Track changes

|  |  |
| --- | --- |
| Version number | Change description |
| <Version> | Document creation |

Contact Information

|  |  |  |
| --- | --- | --- |
| Name | Email | Role |
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|  |  |  |

Introduction

## Context

<Brief description of the application including the name, version >

## Performance Test Cases and proposed objectives

<High level test cases and goals of the benchmark>

Test Environment

## Test Platform

<Application URL >

<Architecture Diagram-As per the production environment>

## Platform – Material and Software

### Servers description

|  |  |  |
| --- | --- | --- |
| Name | IP Address | Role |
| US-Commerce-LNX07 | XX.XX.XX | Master |
| US-Commerce-LNX08 | XX.XX.XX | Worker - with local-storage  /pv/prometheus (10Gi) - Prometheus DB (prometheus-pv)  /pv/es (20Gi) - EFK |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Database

<Database Instance Information>

## Testing tools

<Testing tools Information>

<The Web Browser to be simulated >

workload Characteristics

## Performance scenario

<Brief description about identified performance scenarios>

## The load test models

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Objective | Concurrent VUsers | Scenario used  (%) | Ramp up rate | Steady state |
| 1 | Capacity objective |  |  |  |  |

## Metrology

**Transactions:**

* number of virtual users
* transaction throughput
* transaction response time

## Dataset

Eg. Registered and guest users will be used.

Deliverables, activities and planning

## Requirements

* A complete test platform with the application under test fully installed and configured.
* A data set with enough records to enable the simulation of the expected load.
* The list of user credentials to simulate the expected number of users.
* The validation of this document.

## Deliverables

* Performance Test Plan at the beginning of the test.
* Tests execution results (response times, metrics…) after each test.
* Final Test Report (graphs, test data and analyses)

## Project Milestones

|  |  |  |
| --- | --- | --- |
| Phase | Milestone | Target date |
| Preparation | Test plan document complete and validation |  |
| Setup | Application Env. and dataset ready |  |
| Scripting and validation of scripts for proposed  scenarios |  |
| Execution | Load test executions |  |
| Preliminary scenario results |  |
| Completion of scenario testing |  |
| Reporting | **Delivery of performance closure report** |  |

It is important to note that project milestones depend on:

* The application availability and scenario content.
* Application functional issues resolved on time.
* The number of rounds of test executions.
* The results of each test execution.
* The availability of all participants on the project.