Enter Product Name

Requirement Gathering

Version 1.0

**Application Architecture**

1. Should the application be isolated during performance execution to avoid any interaction with other applications?
2. Describe the details of built-in logging mechanism or monitoring mechanism?
3. Does the application support multi-tenancy?
4. Walkthrough of the application details and architecture.

**Identify the Performance Testing Acceptance Criteria**

1. SLA for all transactions in scope for performance testing
   1. Expected Throughput
   2. Response Time
   3. Resource Usage
2. Types of Performance test required (Depending on requirement)
   1. Load
   2. Stress
   3. Endurance
   4. Spike
   5. Scalability
3. Describe the Performance test
   1. Goals
   2. Objectives
4. Describe the Performance metrics to be monitored.
5. Key functionality focus areas.

#### Test Environment Setup (To be filled by Product Owner)

This section will collect the environment requirement for the performance testing. The best practice is to replicate the customer environment configuration or a scaled-down version of the configuration used in production.

Webserver Requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Production Setup** | **Performance Setup** | **Comments** |
| Name |  |  |  |
| Version |  |  |  |
| OS |  |  |  |
| CPU (No. of Core) |  |  |  |
| Memory (GB) |  |  |  |
| Host Name |  |  |  |
| Disk Space (With Drive Specification) |  |  |  |

Application Server Requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Production Setup** | **Performance Setup** | **Comments** |
| Name |  |  |  |
| Version |  |  |  |
| No. of App Server |  |  |  |
| OS |  |  |  |
| CPU (No. of Core) |  |  |  |
| Memory (GB) |  |  |  |
| Host Name |  |  |  |
| Disk Space (With Drive Specification) |  |  |  |

Database Server Requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Production Setup** | **Performance Setup** | **Comments** |
| DB Name (Reporting or Transaction) |  |  |  |
| DB Server |  |  |  |
| DB Version |  |  |  |
| DB Size |  |  |  |
| Operation System |  |  |  |
| CPU (No of Core) |  |  |  |
| Memory(GB) |  |  |  |
| Host Name |  |  |  |
| Disk Space (With Drive Specifications) |  |  |  |

Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| **NFR - Non Functional Requirement Details** | **Industry Standard** | **Product Requirement** |
| Response Time SLA for each transaction (seconds) | Web - 3 sec; API - 1 sec |  |
| CPU Usage (Threshold %) | <=75% |  |
| Memory Usage (Threshold %) | <=75% |  |
| Concurrent Users |  |  |
| Multi-Tenancy Support |  |  |
| Current number of users using the application in production |  |  |
| No of Use Cases (Existing) |  |  |
| No of Use Cases  (Newly Added) |  |  |
| Use Case Document (Step by Step work Flow) |  |  |
| Batch jobs |  |  |
| Type of test - Load, Endurance, Spike, Scalability |  |  |

### 

### Business Process / Marketable Features

List down the most critical Business Processes / Marketable Features that need to be considered at any given time. In case of any issues, these business process / Marketable Features will have a direct impact on the product line.

Key Business Process / Marketable Features

| No. | Business Process Name / Marketable Features | Response Time | User Distribution |
| --- | --- | --- | --- |
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