**MTMS Design Document**

**Requirements**

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# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for changes** | **Version** |
| Vaibhav Tyagi | 10/30/21 | Initial Draft | 1.0 |
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# Outstanding Issues

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| --- | --- | --- | --- | --- | --- |
| **Date Identified** | **Section** | **Description** | **Resolution** | **Resource** | **Date Resolved** |
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# Approvals

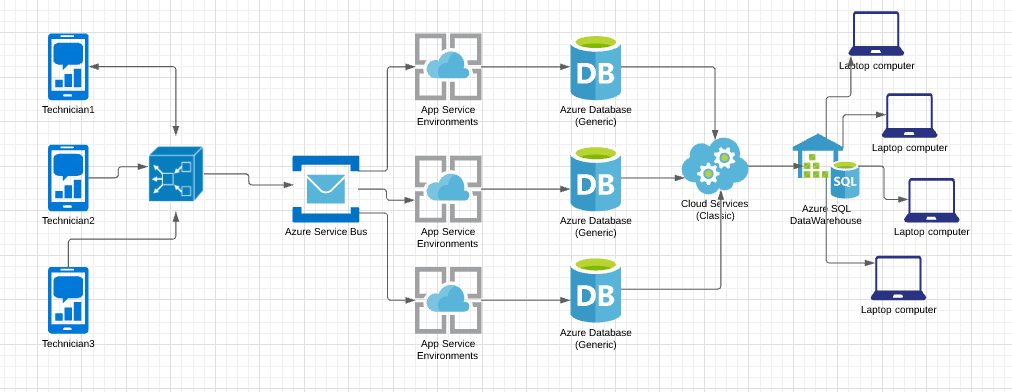
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| --- | --- | --- | --- |
| **Date** | **Name** | **Area** | **Comments** |
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# Overview

Need to design an enterprise level software system which will perform following high-level tasks

* Web UI for Corporate Type of Users
* Mobile App for Technicians Type of users
* RebitMQ/ ServiceBus Topics for disconnected Microservice Architecture.
* Message Listeners and corresponding processers APIs
* Distributed Database design - To make application capable to handle high volume of data and transaction.
* Notification service for send and receive alerts and notification
* Complete Log Track?
* Datawarehouse development for robust reporting capabilities

# High level Architecture diagram



# Component level design

Fire and forget Gateway.

Servidebus for disconnected architecture.

AppServices for Data processing – CQRS pattern.

Background service for Date migration.

SSRS reports integration we web application.

Angular based Single page application for Dashboard and Admin related approvals.