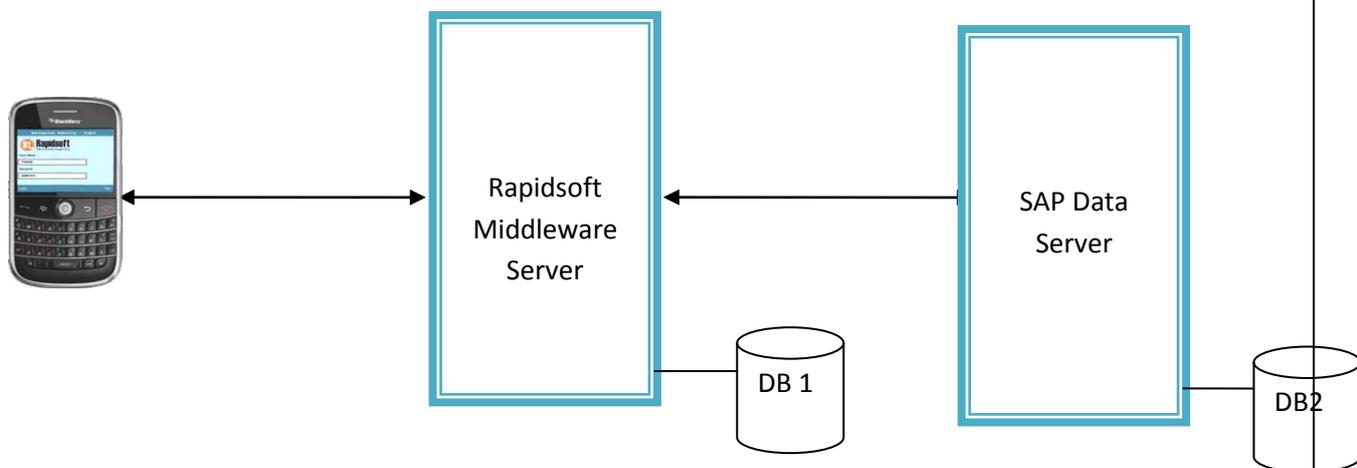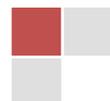# Architecture for Enterpise Mobilizing module

Overall Architecture and flow:

1. Each Sales Manager will have a login account which will be maintained in the Rapidsoft middleware server.

2. Rapidsoft Middleware Server will be interacting with mobile client and gather different types of requests / creation of form

3. Rapidsoft Middleware Server will parse the encrypted form as sent by client and store it in the database.

4. Rapidsoft middleware will act as a communication channel between different smartphones and SAP server (from where the relevant data will be fetched and pushed to the smartphone)
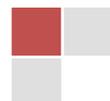
Business Scenario

Shift wise production – Appendix [with +/- indicators]
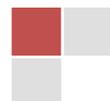
Indicators:

1. **Indicator Configuration**. The configuration for the indicator, which may vary from user to user. The configuration includes the parameter settings.
2. Each Shift Manager will have a login account which will be maintained in the Rapidsoft middleware server.
3. Rapidsoft Middleware Server will be interacting with mobile client and gather different types of requests and notification
4. The production manager will log into the Rapidsoft application on his mobile device and this will enable him to check real time updates regarding production scenarios.
5. The shift wise production module will be one of the features in a complete enterprise wise mobility solution that Rapidsoft technology will deploy.
6. The production scenarios can be categorized under shift wise production with sub details that can be checked with +/- indicators.
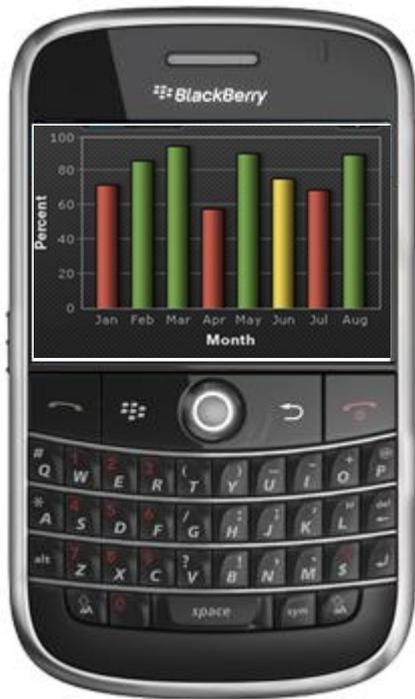
7. The production manager will not only be able to get updates from SAP database in the real time while on the move about production indicators like % production up or down shift wise coupled with real time reports that can be further detailed with + indicator but also be able to view reports that are relevant to him instantaneously.

8. To unlock the full potential of smart phones and rapidsoft's enterprise solutions we can also propose an alter mechanism that can have pre defined settings to alert the manager with notification message. These notifications will be fully customisable and based on parameters defined will alert the manager from time to time without any delay.

Downtime – Instant alert

1. This scenario will include instantaneous alert notification sent to the smart phone device based on the down time parameters and other related criteria set.

2. The settings option will be developed based on the information that the manger requires handy in real world scenario and all that information will be fetched from the SAP database via Rapidsoft middleware instantaneously and hence downtime module will give full flexibility to the operating manager to get the information that is critical to him in real time.

3. This module in the Rapidsoft middleware will be scanning all the relevant SAP database fields in the real time that are related to downtime.

4. All this will enable the production manager to get instant notification for the information required.

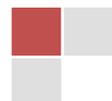# Sales Report – [weekly] with +/- indicators

Runtime dashboard   Runtime dashboard
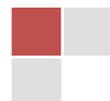
1. The Sales manager will click on the icon in the rapidsoft's enterprise mobility application and log into the application.
2. This application will fetch in real time data from SAP server with rapidsoft's middleware as interaction server between the two.
3. The sales manager will be able to view weekly/monthy MIS report in runtime dashboard.
4. Hence, all the effort will synergise into a scenario where the sales manager can get the critical information on the go , while in a meeting or with a client.
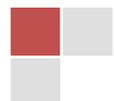
Credit Limit Approval for customers [On Demand]

1. Taking this scenario from a lead management perspective, the sales manager while engaging a hot lead if requires an on demand instant approval of a certain credit limit then this module will provide the intended solution.
2. The sales manager will log into the lead management feature and under that selects credit limit approval option. After that , the manager will type the name of the lead and relevant lead id will be fetched in real time from the SAP server via Rapidsoft middleware).
3. Then , after selecting the lead id he will be prompted to fill a form with fields including credit limit amount, lead id and submit that.
4. Rapidsoft Middleware Server will parse the encrypted form as sent by sales manager and store it in the database and send a push notification with relevant fields to the reporting manger's smartphone.
5. This will prompt the reporting head to send a reply back instant notification.
6. The reporting manager can either approve the suggested limit or response by editing the same limit with approval or in other case a rejection with comment.
7. This will be pushed back to the sales's manager's smartphone via Rapidsoft server.
8. Rapidsoft Middleware Server will parse the encrypted form as sent by reporting manager and store it in the database and send the notification back to the sales manager.
9. This way, the sales manager will get real time update instantaneously.
10. The Rapidsoft middleware will be the prime communicator in this scenario handling multiple requests simultaneously.

    Ps: if SAP server is required to maintain logs then SAP database can be updated via the fields that Rapidsoft will be maintaining on its middleware.

Vendor wise Invoice summary [Top 5 / Bottom 5/ All/Selective]

1. This scenario is described by taking vendor management as the module that will be integrated.
2. The invoice summary will be fetched from the SAP database via Rapidsoft middleware acting as a channel between the smartphone and SAP modules.
3. The operating manager will be able to get the summary displayed in a form of a report instantaneously.
4. This will have categories to give an elaborated and clear view to the manager with pre defined sections like all invoice summary, selective, top5 , bottom 5 based on pre defined parameters the reports will be fetched.
5. In addition to the same, the option can be integrated to select and approve the vendor invoice.
6. Also, if any notification is required based on set criteria then Rapidsoft middleware can send a push notification regarding to same to the smartphone.
7. These notifications can depend on the priority the manager would like to get intimation for, like top 5 invoices alert, bottom 5 invoices alert, submission/ approval deadline alerts.

Integration of Rapidsoft Middleware Server with Web Server

There would be a S/w module in Java/J2EE on Rapidsoft Middleware Server using APIs of application on web server   to access different types of tables . The program will store the data in different tables of ERP server which can be seen by all the users in any desired format.

NB:

The information provided and cases described are based on the inputs provided and the actual implementation will be further enhanced based on the actual project details and we will provide optimal solution to enable achieve your business objectives with higher performance and growth.