

W3.1 - Project 3: My Community - Create SMPS Document

The request

DFNB Consumer loans last year and this year in SANTIAGO.

Dary Diaz

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To: Business Manager

I received this request from Luis and was able to meet with him briefly to discuss what he is looking for. Big picture—he wants to understand how we did as a bank last year in consumer loans, because he is interested in opening another branch in Santiago. He is interested in...

- How many customers do we have in that province who are reliable and loyal?
- How much people got loans in the last year, the amount spread, balance, and the revenue, also the higher and lower interest rate in that area
- Production in terms of geographic regions, branches, and products
- New vs. existing customers.
- What is the actual valance allocated in Santiago this year?
- According to the statistics, what is the higher valance we can allocate in that area.

Ariel R.

Project Manager

SouthernKings Group.

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The Deliverable SMPS

What?

What is the relationship of balance allocated in Santiago province, and what amount is the company able to allocate there, according to the revenues in the past and the future? The purpose is to build up a solid database that can give a solid idea for future investment.

Why?

Because SouthernKings (the company) is interested in expanding and creating another branch in that province, and before deciding, it is important to know what are the possible risks and the revenue that can be exploited in that area. Also

- Last year compared to the previous two years
- Several different measures: count, commitment, balance, revenue
- Production in terms of geographic regions, branches, and products
- New vs. existing customers

This information is valuable for the company, because starting from the results, we can implement new measurements and improve the ones who apparently are working for the benefit of the customers. And the profits of the company, officially established in an area where we have random customers.

How?

Data-

Explore the data in the SouthernKings database.

- Integrate data from Human Resources and all team rosters

Tools

- SQL Server as the backend database
- SQL Server Management Studio for backend and middle tier (business logic) development

Research questions:

Q: Feasibility: Any known data or functionality gaps?

A: See below...Data Gaps - None exist today, the data points being requested all exist in team roster data and human resources data silos

Functionality gaps - None, we have the software licenses and tool expertise in house to perform this work.

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Q: Sustainability: Ongoing resource requirements? Cycle?

A: See below...

Hardware - Server for the Datawarehouse

People - Initially one data engineer will be able to act as the DBA, Data Architect, and Data Engineer. Depending on growth, additional staff and division of labor may be required in the future.

Cycle - The expectation is that this application will be updated once the research is done, and all patches will be covered, so that the information is accurate with the actual registers. The cycle is therefore a weekly refresh of the backend data.

Q: Stability: What might threaten the things existence once it is built?

A: Server outages and hardware issues are the most likely threat. Data availability from HR and the team roster silos appears very stable as they are existing systems with significant dependencies and robust resiliency.

Q: Vendor options: Are any being considered?

A: Microsoft Azure is being considered as a cloud bases solution for hosting the SQL Server database. A cost/benefit analysis will need to be performed.

Q: Horizontal expansion requirements: Any new FTE, hardware, or software resources?

A: No new FTE, one new server, existing software licenses are sufficient.

Q: Vertical dependencies: Anyone else involved

A: Yes - the team owner and the team manager are both stakeholders in this process. In addition, the HR data gatekeeper and the team roster data gatekeeper need to be integrated into this project.