

Master Data Quality Dashboard



Abstract

In 2020, dormakaba established the master data management (MDM) organization, which aims to create a globally consistent and trusted representation of master data. One of the organization's first actions was to introduce a new product hierarchy which integrates products into the global operating model and enables reporting at a global level. To monitor the quality of the global product hierarchy, the MDM organization requested the development of a dashboard.

The development of the dashboard builds on the four phases of the dashboard design process—define, prototype, build, and deploy—and was initiated in the industrial project. As part of the project, the define and prototype phases were performed to determine

the requirements for the dashboard, which include the quality metrics and its visualization in a mock-up.

In the bachelor thesis, the applications of business intelligence technologies in dormakaba are investigated to enable the technical implementation in the build phase, which is divided into two objectives: data evaluation and dashboard development. In the data evaluation, the data sources are determined and analyzed to check the feasibility of the metrics and visualizations defined in the mock-up. Afterwards, the dashboard is developed in the application SAP Analytics Cloud, in which the metrics and visualizations are implemented in a story, an environment to explore and visualize data for analysis.

Finally, the dashboard is verified and validated, with various tests conducted to ensure compliance with the requirements and usefulness for the user.

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