

Abstract

The product lifecycle can be seen as a sequence of phases, where specialized applications are used throughout the development cycle. One data standard to realize a common data model connecting different applications in an Integration Platform are Semantic Web Technologies. It is important to represent this information to the user in a filtered, task- and domain oriented way e.g. to show cross domain dependencies.

This paper shows a concept for a new interface that has the ability to visualize information in an optimized arrangement and level of detail. It has the capability to represent data in a way that supports user specific views by only showing relevant data but also in terms of usability. The concept is realized in a demonstrator using a Semantic Web data model.

Key words: product development data, development process, data visualization, Semantic Web Technologies, user interface, information management, views