Incorporating MDA to Design Business Intelligence Services by using SaaS Model of Cloud Computing

Abstract

Cloud computing based on the latest information and computing technologies provides software programs, platforms, infrastructure etc. as services. On the other hand, Business Intelligence (BI) on the Cloud is an assistance model that helps organizations further their strategic business interests and it is for this reason, every organization is looking forward to its generation and effective usage. Cloud SaaS (Software as a Service) refers to a cloud computing service model in which the software applications are offered as services. With the continuous advancements in ICT, the organizations are under constant pressure of replacing the older ones. Model Driven Architecture (MDA) is a software development model that aims at minimizing the impact of these technological advancements on software applications development so as to become a preferred methodology for the development of cloud software services. In this paper, authors are suggesting an MDA based model driven approach to design business intelligence services by using SaaS model of cloud computing for a cloud based data warehouse.

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Index Terms

Computer Science Distributed Systems

Keywords

Business Intelligence  Cloud Computing  Cloud SaaS  Data Warehouse  Model
Driven Architecture
Service Oriented Architecture

Software as a Service.