Abstract

Information integration challenges observed from the literature review indicates that it needs to be addressed at the architectural level rather at the techniques or approach. The most significant challenge considered thereafter is to deliver a better technical methodology to facilitate an open architecture with standard interfaces to aid in information integration, interoperability and retrieval. One way to unlock the information from its containers by separating the implementation and interface is achieved through SOA. This work aims to design architecture for information integration using SOA to obtain integrated information as a service. The layers and components strive to provide all aspects of information integration in order to give complete picture. An explanation pertaining to the layers are based on roles and responsibilities and the components are based on a template. Discussion part exhibits the
proposed architecture's qualities on comparing with models specified in the related work.

References

- Kai Yang, Robert Steele, A Semantic Integration Solution for Online Accommodation Information Integration, 978-1-4244-8756-1, IEE, 2011
Design of Information Integration Architecture using SOA

- Brian Hopkins, Alex Cullen, Mike Gilpin, Boris Evelson, Gene Leganza, and Mackenzie Cahill, Data Virtualization Reaches Critical Mass, Forrester Report, 2011.

Index Terms

Computer Science    System Design
Keywords

Information Integration  SOA  Architecture  Service Oriented Integration