Abstract

Multi-Tenancy in SaaS (Software as a Service) architecture is the concept leveraging cloud computing and virtualization which incurs cost efficiency. Modularity and customizability enhances the strength of multi-tenancy and business opportunities. With the growing business and competition, there arises a need to introduce an IT based technology to the system. Business process re-engineering and development of Enterprise Resource Planning (ERP) has
Multi-Tenant Engineering Architecture in SaaS

revolutionized the way an enterprise system is build and executed and even more exponentially
revolutionized with the introduction of multi-tenancy integrated with SaaS-based ERP system.
The proposed architecture introduces the concept of fully modular system, where different
modules can be implemented and configured according to the necessities of the user and
further improved based on the requirements avoiding the related concerns.

References

- S. Merkel, "Parallels Software as a Service (SaaS)," p. 2.
- Amelia Maurizio, James Sager, Peter Jones, Gail Corbitt, Lou Girolami, "Service Oriented Architecture: Challenges for Business and Academia," Proceedings of the 41st Hawaii

Index Terms

Computer Science Wireless Communication
Keywords
Multi Tenancy  Cloud Computing  Modularity  Saas Architecture  Customizability
Extensibility
Erp