"ERP – C2C" (Corporate to Cloud)

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ABSTRACT
The purpose of this paper to analyze and evaluate the impact of enterprise resource planning(ERP) in cloud computing technology. Moreover, how Software as a Service (SaaS) helps an organization to perform better in a challenging world. It is time to design new ERP in Cloud Computing technology and also supports in Hybrid environment due to socialized global market.

For enterprises deploying and making use of cloud-based services, the security landscape is changing rapidly. Traditional security tools such as endpoint antimalware and access controls are still relevant, but the increasing reliance on resources hosted by cloud-based service providers is adding new layers of complexity that require businesses to take a different approach. More applications and data than ever before are using cloud provider APIs, data is stored in the cloud without a second thought, and application architectures and use cases are relying on many layers of integration that simply didn’t exist previously. Web filtering and data loss prevention (DLP) controls must adapt to cloud access models, and identity management and authentication requirements (e.g., single sign-on, multifactor authentication or application integration) must evolve as well.

Keywords: ERP, SaaS, Hybrid, Cloud

INTRODUCTION (ERP-C2C)
Over the past 30 years, enterprise resource planning (ERP) has become the mainstay application of most companies. These systems sit on mainframes or servers, fussed over by a select bunch of IT people, cosseted and quietly churning through the vital work of keeping the company going. Whether it is supplying all the right information on a just-in-time basis, keeping close control of inventory or just printing out employee timesheets, the ERP system will be the ultimate controlling mechanism. ERP’s dream is to have a single software solution integrating the different functions and activities into a seamless whole where information needed for decision-making is shared across departments.
A common enterprise use cases that fall into three major categories.

The first category “Controlling Access”— delved into single sign-on, multifactor authentication, context-aware authentication and application controls.

The second —“Protecting Data”— focused on antimalware, encryption, data loss and leakage protection, web and URL filtering, and threat intelligence.

The final category—“Monitoring and Security Management”—focused on user and application configuration, activity monitoring and event logging. This review will describe both the security team and end-user experiences (where applicable) throughout these use cases.

**Advantages of ERP on Cloud**

Cloud computing relies on sharing of resources to achieve coherence and economies of scale similar to a utility network. The cloud also focuses on maximizing the effectiveness of the shared resources in ERP. Cloud resources are usually not only shared by multiple users but are also dynamically re-allocated per demand.

- Long-Term relationship with Customers
- Reduction in IT costs
- Reduction in complexity.
- Maintain quality Vendors
- Technology services (SaaS, PaaS, IaaS)
- Technology level Integration

**Challenges of ERP on Cloud**

ERP in Cloud computing presents a number of management challenges

1. Companies using ERP in public clouds do not have ownership
2. Users of public cloud services must also integrate with an architecture defined by the cloud provider, using its specific parameters for working with cloud components.
3. Capacity management is a challenge for both public and private cloud environments
Dangers of SaaS using ERP

- Data Accuracy & Data Maintainability Issue
- Maintenance and Support issue
- Relying on speed of Internet connection
- Data Security Issue
- Licensing and compliance problems
- Technology Compatibility issue

Conclusion

SaaS is becoming an increasingly prevalent delivery model as underlying technologies that support Web services and service-oriented architecture (SOA) mature and new developmental approaches, such as Ajax, become popular. Meanwhile, broadband service has become increasingly available to support user access from more areas around the world.

- Pure On-Premises base ERP is not flexible in challenging world
- Technology Innovation always supports Industry leaders
- SaaS Based ERP is an option in an organization for flexible changes in business model
- Hybrid ERP is an ultimate solution for the globe, Because Hybrid ERP connects anything and everything without any condition or restriction

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