Fuel your Growth with Integration: Hybrid Cloud Computing

By Neha Tyagi & Dr. Ajay Rana

Amity University, India

Abstract- Current IT services were built to serve a static and functionally concrete operating replica. In future prospects IT needs to become much more dynamically adaptable to maintain pace with the speed of business today. However, when cloud is considered in the context of a hybrid model of combining both the on-premise with Internet-services, then the value of the cloud in its broadest definition becomes incredibly empowering.[1][2] Hybrid solutions combine the benefits of public cloud infrastructure (speed and agility of development) with private cloud resources (security and control). In, this paper we have given the power of Hybrid Cloud Computing.

Keywords: cloud computing, hybrid cloud, internet services.

GJCST-B Classification : C.1.3, C.2.4

FUELYOURGROWTHWITHINTEGRATIONHYBRIDCLOUDCOMPUTING

Strictly as per the compliance and regulations of:

Fuel your Growth with Integration: Hybrid Cloud Computing

Neha Tyagi [α] & Dr. Ajay Rana [σ]

Abstract- Current IT services were built to serve a static and functionally concrete operating replica. In future prospects IT needs to become much more dynamically adaptable to maintain pace with the speed of business today. However, when cloud is considered in the context of a hybrid model of combining both the on-premise with Internet-services, then the value of the cloud in its broadest definition becomes incredibly empowering.[1][2] Hybrid solutions combine the benefits of public cloud infrastructure (speed and agility of development) with private cloud resources (security and control). In, this paper we have given the power of Hybrid Cloud Computing.

Keywords: cloud computing, hybrid cloud, internet services.

I. Introduction

Love it or hate it, the cloud has clearly become a well-established but slightly misunderstood term in computing today, which promises to remain for some time to come. For some it is all about internet-based resources, whether they are infrastructure or full-blown business applications.[2] Others have extended cloud to take their on-premises environment into account, reflecting the maturing world of virtualization. Hybrid cloud often evolve from IT's Success delivering private cloud services. As the broader organization recognizes the advantages of cloud computing gets on board, greater demand is put on existing services. At this point IT has decision to make invest in more Infrastructure technology or consider moving select workloads to public cloud environments. A hybrid cloud balances an organization's need to invest in onpremises cloud technology with utilization of off premises public cloud services .Because this balance is different for each organization . Hybrid clouds are not one size to fit all organizations. [1][2]

II. Benefits of Integration

- *Higher Productivity:* By eliminating repetitive tasks such as entering the same data into multiple systems, you will increase employee productivity, eliminate inconsistency, data conflicts, redundancy, and duplicate data entry. By enabling real-time integration of customer/vendor data, you will be able to make better business decisions.[1]
- *Business innovation:* is frequently originated from combining cloud services. Therefore, integration is an important condition to fully unlock the potential of the cloud. Inavante designs and implements on-solutions to synchronize cloud based (SaaS) and premises systems (including finance, billing and CRM) to enhance your business processes.
- *Strategic Planning:* By enabling real-time integration of customer/vendor data, you will be able to make better business decisions and modify your sales and marketing initiatives in days or weeks instead of months, as they would have with a legacy solution.
- *Sophisticated analytics and forecasting:* By syncing customer/vendor data from your billing system, you will be able to leverage the robust reporting tools in Salesforce CRM for a more comprehensive view of customers/vendors
- *Improved Data Quality:* Our extensive data validation ensures that only accurate data enters your production systems. Bad data is automatically routed back to the vendor for reconciliation.
- *Connected Apps* can work together with all other apps, including ERP applications (SAP, Seibel), social platforms (Twitter, Facebook), SaaS (Salesforce.com, NetSuite, PayPal), and make the business run better.
- *Lower Maintenance Costs:* Future integration changes will be easily and quickly handled. The integration processes are visually self-documented in a centralized tool, completely visible to developers and business users.
- *Centralized Integration Management:* Integration processes are easily monitored and managed in a centralized environment. Built-in auditing and alerting capabilities enable quick diagnosis and correction of integration problems.
- *Governance:* By utilizing our centralized management and data auditing capabilities, You can develop an integration governance model to meet future compliance reporting requirements.
- *Scalability:* You will be able to scale up cost efficiently to meet the needs of your growing customer base.
- *Pay-per-use:* SaaS & Cloud Hosting plans are flexible and scale as your business grows. You will only pay for data storage and computing power that you actually use which will prevent you from being charged for underutilized excess capacity.

Author α σ : *Amity University, Noida.*

III.   Integration Solutions

- *Integration Platforms:* WSO2, Apache Stratos, Dell Boomi, Oracle SOA Suite 11g, Apigee
- *Integration Tools:* ESB, process servers, registry, rules, CEP, identity, BAM, caching, database servers, message brokers
- *Hybrid Cloud Integration Scenarios:* data integration, application integration, process integration and Web APIs
- *API Management:* developer enablement, service mediation, API lifecycle management, reporting, analytics, and API monetization
- *Mobile Back End :* implementation of highly scalable back end for mobile apps and web applications, control & manage API consumption
- *Integration with external systems:* ERP applications (SAP, Seibel), social platforms (Twitter, Facebook), or SaaS (Salesforce.com , NetSuite, PayPal) [1]

IV.   Conclusion

In this paper we are only going to aware about the Introduction of Hybrid Cloud computing, that's benefits and hybrid solution.

References Références Referencias

1. WWW.GOOGLE.CO.IN
2. Outlook: partly cloudy with sunny spells to follow
3. Sunita Rani and Ambrish Gangal "Security issues of banking adopting the application of cloud computing" International Journal of Information Technology and Knowledge Management
4. July-December 2012, Volume 5, No. 2, pp. 243-246.
5. Daniel Benton and Walid Negm, "Banking on cloud", 2010.
6. Ramgovind S, Eloff MM, Smith E ,"The Management of Security in Cloud Computing", School of Computing, University of South Africa, Pretoria, South Africa ©2010 IEEE.
7. Alok Tripathi, Abhinav Mishra," Cloud Computing Security Considerations", IT Division, DOEACC Society, Gorakhpur CentreGorakhpur, India, 2010, IEEE.
8. Cong Wang, Qian Wang, and Kui Ren," Towards Secure and Effective Utilization over Encrypted Cloud Data", 2011 31st International Conference on Distributed Computing Systems Workshops, 2011 IEEE.
9. I-Hsun Chuang, Syuan-Hao Li, Kuan-Chieh Huang, Yau-Hwang Kuo," An Effective privacy protection scheme for cloud computing",IEEE 2011.
10. Jianfeng Yang and Zhibin Chen ," Cloud Computing Research and Security Issues", IEEE 2010.