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HEROKU INTEGRATION FOR SUPPLY AND DISTRIBUTION

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ABSTRACT:
One of the most tasks Force.com Website has developed and undertake integrating Force.com apps with the applications. ThisHeroku Integration is usedfor designed to introduce the technologies and concepts required to achieve this functionality. The Force.com Integration Wo, KUrkbook is intended to be the companion to the Force.com. The series of tutorials provided here extend the Warehouse application by connecting it with a cloud-based fulfillment applications.

Keywords: Heroku, OAuth,Toolbelt, Vendor Rules, Visualforce.

INTRODUCTION:

Heroku provides a Platform as a Service for deploying applications in a multiple languages, including Java too. In this, it is used to create a Web application using the Java Spring MVC framework to handling fulfillment requests from the Warehouse application. Familiarity with Java is helpful, but not required for the exercise. It is starts with an application template to get you up and running. It used to walk through the steps to securely integrate the application with the Force.com platform.First user must install the Warehouse data model in their organization, create a Heroku developer account, and install the Heroku Toolbelt software on their local workstation.

RELATED WORKS:

[1]Self-Tuning Service provisioning for decentralized cloud applications

Cloud computing has changed many service delivery applications and the order in which they operate. Cloud computing allows users to run applications that requires stringent and large number of physical resources. An Saas(Software as a Service) can be thought of a software that is operable in the vendor's premises. This paper deals with the approach of using execution zones where the vendor will assign the resources based on some auction to the client applications. It is very much scalable and efficient.

[2]Deployment of Application on Cloud and Enhanced Data Security in Cloud Computing using ECC Algorithm

Cloud Computing is used for IT Industries. Cloud computing information is being transmitted via the network. ECC Algorithm is used for time for Encryption, CPU Utilization and Key Size. There are three types of Cloud Computing used to install application on the cloud. Using three types of cloud computing services like, PAAS, SAAS, IAAS, the PAAS and IAAS used to deploye the application on this cloud.

[3]Self-Organizing Agents for Service Composition in Cloud Computing

The service providers is essential to promptly satisfy incoming Cloud consumer requirements. These must be mapped to Cloud resources. The cloud resources are accessed via the web services, in the automated manner. The Cloud resources like location and providres are dealing with incomplete reguards. The self-organization contract with net protocol to evolve and adapt the cloud service composition.

[4]WS-Policy based Monitoring of Composite Web Services

It is the middleware to monitor and controlling web service executions. It is mostly focused on MASC(Manageable and Adaptive Service Compositions) monitoring capabilities to detect business runtime faults and exceptions. In this performance studies indicate the MASC overhead and scalability are acceptable. Web service monitored to provide response feedback loops and to runtime to detect and adapt exception and fault.

[5]Towards Automatic Application Migration to Clouds

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Cloud is one of the challenging for all the industries in the world. The available approach to perform tasks are basically the service derived from alliances of software vendors and focusing on their own products or a platform. The Cloud Computing became revolution approach in the distributing computings. Cloud observed increasing interest exploring potential benefits of their IT applications and services to Cloud infrastructure.

[6]A XaaS savvy Automated Approach to Composite Applications

Softwares have been evolved over from monolithics to numerous apps available on varios platforms of these days. XaaS used to demonstrate initial work to implement on end to end delivery system in ultimate scenario. It propose automated algorithm to utilize input to match available the services to create composite plan used in real-time scenario. The digital applications nimble for rapidly changing requirements, employees, partners, vendors and customers.

[7]A Pattern-Based Code Transformation Approach for Cloud Application Migration

For supporting migration of softwares application to cloud environment and vendors have proposed different migration. This is proposes pattern-based transformation approach for cloud application. The pattern matching is based on regular expression technique that used to identify parts of source code. Transformations are involved to change source code to target code usingtemplate of cloud environment.

[8]Google Cloud Computing Platform Technology Architecture and the Impact of its Cost

Google Cloud Computing is compares the technology architecture between platform and traditional IT system. The key of extremely low cost of Google cloud computing apply **Top-Down** design method. Cloud Computing is extreme topics in IT industry. The service providers and other IT companies have proposed own cloud strategy for great attention to their Cloud Computing. It is used to attempts to compare technology architecture between Google cloud computing platform with traditional IT system.

[9]DAML-S: Web Service Description for the Semantic Web

DAML-S used for describing the properties and capabilities of Web Services. These are garnering a great deal of interest from industries and std. emerging low-level description from industry. DAML-S focuses on the grounding, which connects ontology with low-level XML. Semantic Web is becoming through development of Semantic Web language. Web Services have great deal of interest from industry and std. being developed for Web Services.

[10]A System for Dynamically Composing and Intelligently Executing Web Services

Web Service enable Internet scale. Final vision web service realize dynamic environment identifies. Web service computation of information service with publish interface. It is concept render web applicant by identify each component of both web services and web application. New web application consist web service the span boundaries of organization.

[11]Semantic Representation of Cloud Patterns and Services with Automated Reasoning to Support Cloud Application Portability

In the recent years, the cloud computing technology's growth has exponentially resulted in a vast growth of deploying the user's applications into the clouds through various cloud service providers. An approach of using different providers for various partitions may further cause a problem. Therefore there is a necessity of introducing semantic representations, patterns and various other schemas for representing the cloud service solutions by distinguishing them from other solutions. It also suggests the methods of building applications that are appropriate for deploying into the cloud. An even advanced approach towards the mapping between the user application and the service provider.

[12]Optimizing Cloud-Service Performance: Efficient Resource Provisioning via Optimal Workload Allocation

With the help of service level objectives, it is impossible to meet the customer objectives. Therefore it is necessary to look after the performance metrics of these services. This paper suggested an approach for achieving the

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performance mark namely percentile and stochastic response time. Another critical algorithm has also been designed for optimisation of the performance called max-min cloud algorithm. All these metrics are needed in order for meeting the actual resource needed by the user in order to complete a desired task or an applications. All the performance depends on the framework ECU and sometimes on the network bandwidth, power consumption. In order for effective utilization of the cloud by the users , it needs to be shared by many of them at a time . A optimised performance can be even more strong if the number of users are minimum.

[13]SLA-Based Resource Provisioning for Hosted Software-as-a-Service applications I cloud computing environments

Moving from traditional applications to the cloud normally reduces the hardware configuration cost and also the system set-up cost for the user. A majority of the people now has migrated to the cloud and there is a need to ensure the confidentiality of the data being deployed in the cloud. Therefore a service level Agreement need to be established between the user and the cloud service provider. Normally this agreement is usually created in the SaaS environment.

CONCLUSION:

With a combination of OAuth authentication, Force.com REST API, Apex triggers, @future callouts, the polyglot framework of the Heroku platform, Force.com Canvas, and Visualforce, this created and deployed a bi-directional integration between two clouds. This stationary covers just one example of the many ways to integrate user's applications with Salesforce. One integration technology that we didn't mention is the Streaming API that lets your application receive notifications from Force.com whenever a user changes Salesforce data. User's can use this in the fulfillment application to monitor when changes are made to invoices and to automatically update the application pages accordingly.

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