SIOS | CloudStation™

Federated Management of on and off Premise Enterprise Workloads

Solution Overview

SIOS CloudStation is a comprehensive framework for the management of SMB and Enterprise workloads across IT infrastructure in both private and public clouds. CloudStation provides an intuitive interface designed to provide overall visibility of an organization's computing resources, their physical locations and a toolset that delivers the capability to migrate, monitor, protect and expand these assets as business requirements evolve.

CloudStation provides a platform for the integration of essential functions that are critical to the availability and protection of an enterprise's critical applications. The solution includes the ability to set-up clusters and mirror those clusters to locations on and off premise to provide the ultimate flexibility in assuring that authorized users have unfettered access to their information assets wherever they are and whenever they are needed.

Complete Cloud Management

Today's computing environment is dramatically changing to meet the requirements of a fast moving industry, economic challenges and the need to provide cost-effective protection for all of an organization's digital assets. Mission critical applications such as data bases, ERP, CRM and financial systems all require a high-level of availability and the flexibility to migrate, monitor, protect and expand with the changing needs of your business.

The advent of virtualization has placed added burden on over-taxed IT organizations and created the potential for single points of failure. A single server can now host multiple virtual machines that individually are critical to operational aspects of an organization, but when consolidated on a single machine they have the ability to significantly impact operations without the right tools to assure that those resources are always available.

Cloud computing offers a way for companies to mitigate risk and control costs. The challenge is doing so without compromising the availability or integrity of the resources that are critical to day to day operations. The on-demand nature of cloud computing gives SMB and Enterprises alike a way to improve operational efficiencies and reduce capital expenditures. Having resources available on an on-demand basis with the flexibility of scaling those resources to better forecast and manage the costs associated with IT infrastructure goes a long way towards meeting corporate cost containment objectives.

CloudStation is the first comprehensive hybrid and federated cloud management suite with an integrated high availability and disaster recovery facility to empower enterprises and small businesses alike to transform, manage and optimize their IT infrastructure across cloud architectures, including internal or private clouds consisting of on-premise non-virtualized and virtualized resources and "external" clouds.

Virtualization solutions each provide their own virtualized machine management tools while cloud providers and third parties offer public cloud monitoring and administration software as a service (SaaS). SIOS CloudStation provides a single solution for administrators to manage both internal and external cloud resources.

SIOS CloudStation Features

SIOS CloudStation is a hosted or on-premise management console that delivers comprehensive workload migration and management, with an emphasis on application availability and disaster recovery fully automated in an integrated and transparent offering. SIOS CloudStation coexists with solutions from internal/on-premise virtualization providers like VMware, Microsoft and Citrix with external/off-premise cloud provider offerings such as those from Amazon.
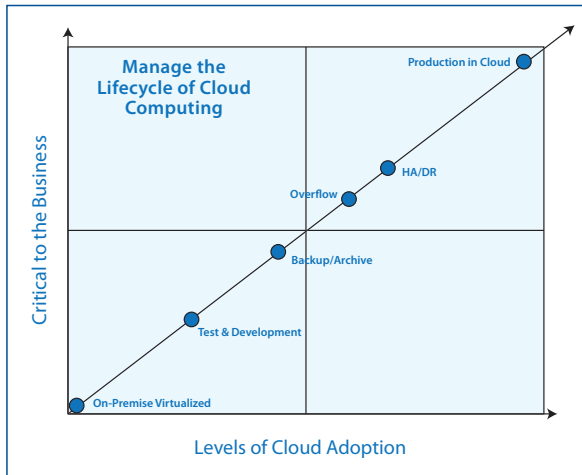
SIOS CloudStation works transparently to assist users and IT professionals alike with a method to effectively assure that all computing resources are being properly deployed to meet user requirements. CloudStation is the right solution for companies looking for:

• Federated cloud management
• Company-wide cloud resource reporting
• Business continuity and disaster recovery
• Business data replication and back-up
• Server image cloning and migration
• Application monitoring and failover

Migrate, Monitor, Protect and Expand

SIOS CloudStation is designed to open new opportunities in flexible and affordable IT resource management.

Migrate: Begin leveraging the cloud by moving workloads across their physical and virtual environments, both internal and external to their datacenter.

Monitor: Effectively monitor applications to gain real-time insight into cross environment operations beyond systems management including application performance, resource utilization and IT costs.

Protect: Venture beyond cloud-based test and development environments by using external clouds as part of an advanced "active" application availability (HA) and disaster recovery (DR) resource.

Expand - Leverage the traction cloud computing affords and migrate internal IT services to established cloud SaaS offerings which reduces capital expenditures, reduces costs and offers the level of functionality provided by legacy on-premise applications.

SIOS addresses its customer's needs with its modular approach and support for both private and public cloud topologies, leading customers safely into cloud computing.

SIOS CloudStation Use Cases

SIOS CloudStation addresses the fundamental deployment challenges a company has in managing their virtual on-premise and in the cloud infrastructure. It has been designed from the bottom up to incorporate field-proven functionality that meets the stress placed on system and administrative resources. With SIOS CloudStation and through it's comprehensive user interface, IT administrators can do the following:

- Instantiate a physical application/database server into the virtual machine environment on-premise

- Set criteria that can manually or automatically failover to a separate availability zone or geographic region within Amazon's cloud should there be a disruption of service

- Configure and deploy disaster recovery virtual machine instances in cloud service provider of choice that includes application monitoring and data replication agents from CloudStation

- Configure server resources to protect on-premise data center resources during a service outage

- Optimize network bandwidth to meet SLA requirements for internal and external users

"Cloud computing technology has generated a lot of excitement in the IT industry, but many enterprise customers have held back on adoption for business-critical workloads, waiting for higher levels of availability and security to be supported by their cloud services. A modular technology solution allows customers to adopt cloud computing through a step-by-step approach, adding more capabilities over time. This approach acknowledges the importance of manageability and controllability in the enterprise computing environment, whether that is instantiated in a private cloud or public cloud topology."
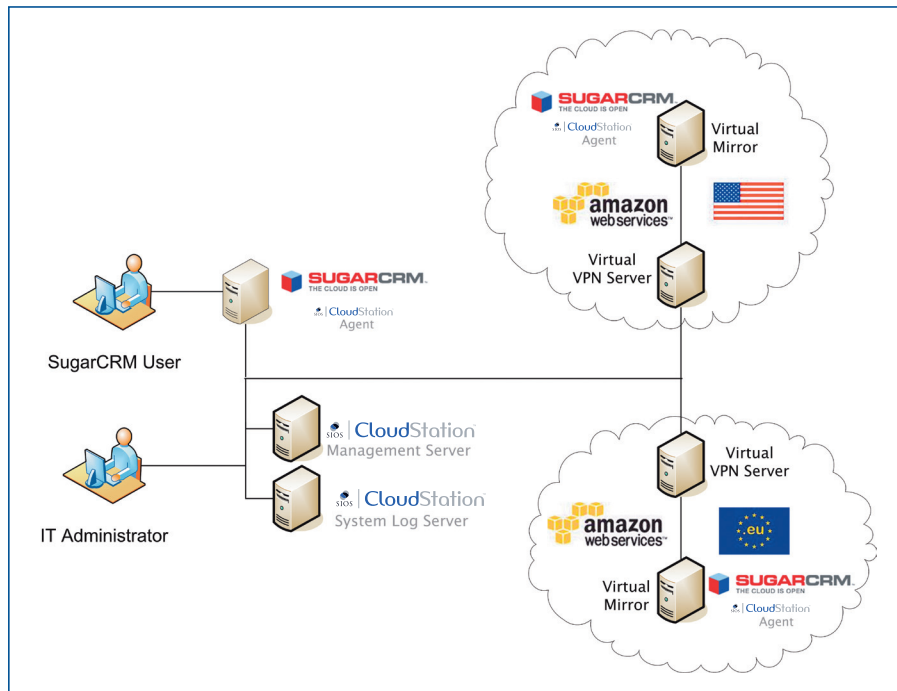- March 2010, Frank Gens, Chief Analyst at IDC.

Real-World Functionality

SIOS CloudStation truly opens a world of new opportunities for the next generation data center. The legacy glass house is being replaced with a new advanced paradigm for computing that creates an expanse of unlimited computing resources that are secure and available while offering real alternatives to the cost and management complexities of on-premise computing infrastructure.

Take the first steps and see how CloudStation can help you move towards the cloud at your pace while solving real problems you face daily. Contact us at www.siosusa.com to learn more.

About SIOS Technology

Since its founding in 1997, SIOS Technology (TYO:3744) has become a recognized provider of Web application software and data center infrastructure, with a focus on the development and distribution of open source software (OSS) such as Linux.

SIOS is a trusted supplier of solutions which lower the costs of enterprises' information systems. Leveraging its expertise in OSS, SIOS' Cloud Computing offerings result in higher productivity and continued cost reductions for enterprises. SIOS is committed to the development of innovative software technologies and being a recognized influencer in the global IT industry.

To contact SIOS visit www.siosusa.com or e-mail us at cloud@sios.com

SIOS 2929 Campus Drive, Suite 250, San Mateo, CA 94403