



HDCS FlexSafe CloudSM

“One of the most important transformations the federal government will go through in the next decade” *Technology, Innovation, and Government Reform (TIGR) team member Andrew McLaughlin describing the use of cloud computing*

“We think everyone on the planet deserves to have their own virtual data center in the cloud,” *Lew Tucker, CTO of the Sun Cloud Group*

Gartner predicts that by 2012, 80% of Fortune 1000 enterprises will be paying for some cloud computing services, and 30% will be paying for cloud computing infrastructure services.

“Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

This cloud model promotes availability and is composed of five essential characteristics, three delivery models, and four deployment models”.

FlexSafe CloudSM - Your Cloud, the way you want it; securely

FlexSafe CloudSM

The HDCS FlexSafe Cloud is a unique service that leverages the Horizon Flexsourcing model with a highly secure, virtualized computing environment. FlexSafe Cloud allows our clients to use the very best computing power in the industry, on-demand, with a scalability that cannot be achieved in a traditional hardware centric model.

The FlexSafe Cloud provides clients with virtualized computing power, storage capabilities and DR solutions all within a secure, highly available and redundant architecture.

IaaS

The FlexSafe Cloud solution rests on a foundation of an industry leading infrastructure-as-a-service (IaaS) platform. Horizon FlexSafe Cloud infrastructure resides in new, Tier III (with Tier IV attributes) data centers. Horizon then commissions buried-fiber, private DWDM, carrier-grade networks to connect the data centers to one another (and the world).

Horizon then adds a highly-available (HA) firewall, load balancing, and switching fabric that provides hundreds of thousands of concurrent session capabilities with the ability to shift loads between physically separated cloud infrastructures.

VMware and blade servers and SAN round out the infrastructure giving the client the ability to rapidly scale computing and storage capacity.

Private Clouds

Of the four basic types of cloud deployment models: Private, Community, Public or Hybrid, Horizon delivers the Private Cloud.



The “Three Pillars” That Support the FlexSafe CloudSM:

Security.

Physical security, network security and network access control. The FlexSafe Cloud utilizes leading edge security process and protocol from physical ATRP threat assessments to IDS, IPS and monitoring technologies.

Process. ITIL, ISO, and DIACAP-embracing international, Federal and industry processes allows Horizon to create a services-based computing

environment that is completely interoperable and standards-based.

Compliance. The FlexSafe Cloud lives inside SAS 70 Type II audited data centers. Horizon employs best-practices that facilitate FISMA, PCI and HIPAA audits.

Benefits: FlexSafe CloudSM

- Rapid Provisioning
- Elasticity and on-demand scalability
- Preservation of capital
- Focus capital on core business building not infrastructure
- Virtualized DR capabilities