parsec data management

Virtual Server
Technical Specification

An overview of the key features and technical specifications of Parsec Data's Virtual Server(s)

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Virtual Servers Technical Specs

Virtualization Platform

- We provisioned our servers utilizing VMware vSphere 4 platform. VSphere enables flexibility, which allows us to better facilitate the needs of our customers. Some of the key advantages that come with vSphere 4 are Availability, Security, and Scalability. We support several Operating Systems running within our vSphere

Availability:

Planned Downtime

- VMotion lessens the need to schedule application downtime due to planned server maintenance through live migration of virtual machines across servers with no disruption to users or loss of service.
- Storage vMotion lessens the need to schedule application downtime due to planned storage maintenance or during storage migrations by enabling live migration of virtual machine disks with no disruption to users or loss of service.

Unplanned Downtime

- High Availability (HA) will automatically restart within minutes in the event of hardware or operating system failures.
- Fault Tolerance (FT) allows continual availability, without any data loss or downtime.

Scalability:

- VMware DRS dynamically load balances server resources to deliver the right resource to the right application based on business priority; allowing applications to shrink and grow as needed.
- Hot plug enables virtual storage and network devices to be added to or removed from virtual machines without disruption or downtime.
- Hot extend of virtual disks allows virtual storage to be added to running virtual machines without disruption or downtime.

Supported Operating Systems

- Microsoft Server 2003
- Microsoft Server 2008
- CentOS 5.3 and Above

Server Nodes

- All of the physical servers that are part of the vSphere environment are running ESXi.

Security

- We adhere to security in depth. It is akin to an onion, when you peel one layer back then there is another standing waiting for you.
- One of the first layers of security is an Intrusion Prevention System. We also protect our environment with redundant firewalls. If one were to fail then the other picks up where the primary left off.
- In addition to the protection of an IPS, our servers utilize software firewalls which mean that they only allow appropriate traffic.
- All the servers adhere to strict security
- Even with an IPS, Hardware Firewalls, Software Firewalls and our Hardening of the Servers. We have an additional layer, which is a managed Intrusion Detection System (IDS), the IDS is monitored 24x7x365.
- We house all of our equipment in a secure data center with multiple layers of access controls, blast proof rated walls, environmental controls, power backup and video surveillance.

Storage

- We have built our own custom storage, which is highly scalable and redundant on multiple levels, and is protected by RAID.

Pricing

L1

- 1 GB of memory
- 1 CPU
- 100 GB of storage
- 32-bit or 64-bit platform
- 1 TB of transfer per month
- $95.00 a month

L2

- 2 GB of memory
- 2 CPU
- 250 GB of storage
- 32-bit or 64-bit platform
- 1 TB of transfer per month
- $200 a month

L3

- 4 GB of memory
- 4 CPU
- 500 GB of storage
- 64-bit platform
- 1 TB of transfer per month
- $400.00 a month

L4

- 8 GB of memory
- 4 CPU
- 1000 GB of storage
- 64-bit platform
- 1 TB of transfer per month
- $800.00 a month

Adders

- RAM - $5.00/GB
- CPU - $40/Each
- Storage - $.50/GB