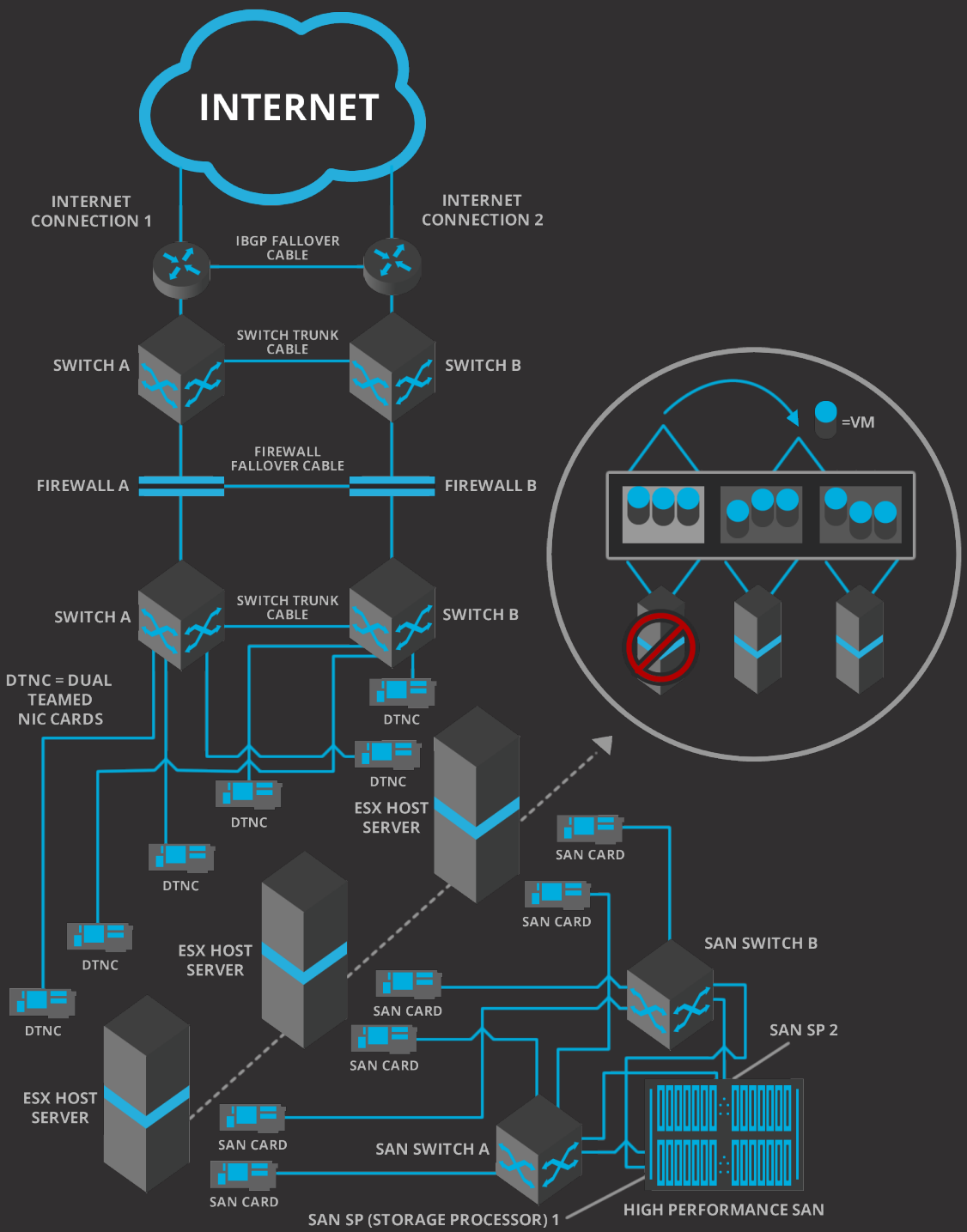
DATACENTER OVERVIEW



OUR CLOUD & DATACENTER

As a Tier 1 datacenter provider, BIS Global, makers of the CharityEngine platform, owns and maintains the core infrastructure responsible for the function, performance, security, and delivery of all services and features. This gives BIS Global complete control and eliminates any reliance on third party hosting contracts or support to control both costs and risks associated with service delivery issues. Furthermore, the BIS Global infrastructure and platform has been battle-tested on multiple aggressive campaigns and has always been up to the task.

The BIS "Private Cloud" hosting platform combines industry leading server virtualization software and storage area network technologies in a highly fault tolerant configuration to deliver secure, flexible, cost-effective hosting for business-critical applications – from corporate email and intranets to high-volume transaction oriented web services.

Features

- PCI (Payment Card Processor) Compliant
- End-to-end enterprise IT infrastructure set-up in highly fault tolerant configuration
- "Forever Young" IT Infrastructure (service includes the cost of future hardware/ software upgrades/ replacements)
- Enterprise EMC Storage Area Network (SAN)
- VMware vSphere5 ESX Virtualization
- 24/7 network monitoring and remediation

Benefits

- When properly designed and managed, a virtual platform built with VMware ESX and a high performance SAN provides the most stable, efficient and cost-effective approach to high-availability application hosting.
- Another major benefit of virtualization is the ability to easily scale up and down computational resources for rapidly growing applications and/or applications with fluctuating performance requirements.
- 5-year average up-time availability exceeds 99.99% - i.e. less than 60-minutes per year.

Located just minutes from BIS Global headquarters, our primary data center is specifically designed for housing the high-performance systems infrastructure that is the foundation of our web hosting services – including dual independent 10-Gigabit direct fiber paths to the Eastern hub for Internet traffic in the U.S. (critical for the performance of database-driven web based applications – i.e. practically anything beyond basic websites).

Power

- Electrical network connected directly to multi-substation power grid.
- 80 kW+ UPS power with on-line batteries.
- Two (2) 125 kW+ UPS power with on-line batteries 450 kW emergency diesel generator.
- Automatic Power Transfer Switch (ATS) for entire load to generator.
- 1,000 gallon on-site fuel tank with contracts to fuel generator indefinitely.
- Manual Transfer Switch (MTS) in the event of a primary generator failure.

Environmental Control

- Temperature maintained at 70° ± 2° & humidity maintained at 45%.
- Over 90 tons of total cooling capacity; Temperature and humidity computer monitored;
- Laser smoke detection and Fire suppression systems

Physical Security

- Controlled access by an access database, pass cards, and video surveillance.
- 24/7 guarded facility - video surveillance and CCTV with online monitoring.
- 24/7 surveillance cameras located throughout the facility.

Connectivity

- 2X independent 10Gb/s direct fiber-optic connections to the Equinix IBX in Northern Virginia.
- Intelligent route-optimization software for Internet traffic.
- Internet bandwidth multi-homed across several Tier-1/2 ISPs: Level3, Savvis, Tiscali, Global Crossing, AboveNet et al.
- Fully redundant high-end Cisco and Juniper routing equipment.
- Minimum 1-to-1 network redundancy to each internet peering point.