

Network Specifications for Invincta & Associates

Our network has state of the art features such as fiber optic networking, 19 x OC48 (1000Mbps/each) connections from 10 different providers, Bandwidth on Demand, redundant UPS systems, generator backup, VESPA detection systems, closed circuit monitoring of all areas and entrances, card key access, 24 hour guard manned security, and redundant a/c systems.

» **Our Servers**

Accounts are hosted on servers running RedHat Linux or FreeBSD and installed with a minimum of 1024MB of ram and 7200 RPM drives. Our newest servers feature Dual Opteron 64Bit processors and Dual Xeon 2.8Ghz processors with 73GB 10K RPM ULTRA 320 SCSI drives and up to 4GB of RAM. Our servers also have 120GB backup drives to keep data integrity at its highest and ensure that you data is kept as safe as possible. Weekly remote backups are also performed on all our servers.

» **Software**

Our servers run industry standard software, including RedHat Enterprise Linux, FreeBSD, Apache, MySQL, PHP, and WHM/cPanel. Servers are updated daily for the most recent stable releases of software, including the latest versions of cPanel and WHM.

» **24/7 Monitoring**

Our servers are monitored 24x7x365 using offsite and onsite monitoring, notifying our technicians by email and SMS within seconds of any problems. Not only are the servers monitored by ping, but also HTTP, FTP, DNS, CPU, STMP, cPanel, Disk Space Usage, and server load.

» **Uninterruptible Power System**

To guard against local power failures, our servers utilize two industrial-grade, three phase Liebert UPS systems. These act as back-up batteries, maintaining uninterrupted power in case of surges or power outages. With these backup systems in place, we can keep our network up and running indefinitely without relying on external power.

» **Force Filtered Cooling**

All web servers are equipped with a positive pressure filtered-air system. Four large fans pull filtered air into each server's protective case and the components within are cooled by fans which circulate this purified air. This constant introduction of clean air into the case creates a positive pressure environment ensuring dust and particles remain outside of the server.

» **Hot Swap Drives**

The drives and drive bays of all servers are constructed from high-grade aluminum, and rest in shock mounted drive cages, which adds to the durability of the hardware. Our drives proudly feature the lowest failure rate in the industry.

» **Redundant Hot Swap Power Supplies**

Each server employs dual-redundant hot swap power supplies. If a power supply were to fail, the server would continue running with power from the alternate supply. Meanwhile, alarms would alert a technician, who would quickly restore redundancy. In the meantime, servers and client sites would experience no downtime.

» **Industrial-Grade Air Conditioners**

Our servers are kept cool by two Liebert ten ton industrial air conditioners, which condition our computer rooms and operations center. our computer room is kept at an optimal temperature of 65 degrees Fahrenheit.

» **Standby Servers**

We keep spare servers on-line of all CPU configurations. If a server were to experience a hardware failure, we would turn a key, grab the handle on the drive, pull it out, and insert it into an identical standby CPU. We would then reboot the second machine and the server would be up and running again in a matter of minutes.