ONE NETWORK.   ONE INFRASTRUCTURE.   ONE SOURCE.

MFN CO-LOCATION

RELIABLE, COST-EFFECTIVE

Many companies today are choosing to co-locate their Internet operations as a way to lower costs and ensure 24x7 availability of mission critical data and e-business applications. These companies realize that building and maintaining their own data centers is very expensive, tying up valuable capital and increasing long-term costs. Moreover, existing data centers in corporate offices aren't readily scalable and are often not constructed to ensure maximum facility uptime.

Co-location offers a reliable infrastructure, fast connectivity and 24x7 network monitoring. By co-locating your operations in one of MFN's world-class data center facilities, you take advantage of the industry's most advanced power, security, network and fire suppression technologies. Our data centers are built to ensure efficient, reliable and continuous operations—even in the event of severe natural or manmade catastrophes.

Located throughout the United States, Europe, and the Pacific Rim, MFN Data Centers feature a variety of hosting options. Whether you require only co-location or a fully managed hosting solution, you can choose from community or private cages in a preset or a custom configuration to meet your specific needs.

Regardless of your configuration, your business will benefit from the virtually unlimited bandwidth and non-stop connectivity of our global IP network.

ONE NETWORK, ONE INFRASTRUCTURE, ONE SOURCE

Most managed hosting providers require a variety of contracts from different vendors to maintain national or international metropolitan area connectivity. Separate contracts mean these providers pay a higher premium for fiber—and pass those costs on to the customer.

In contrast, our data centers are interconnected and owned by MFN—one network, one source. That means we provide our customers with the hightest levels of availability, performance and accountability. We order more bandwidth capacity when the IP traffic capacity exceeds 50%. This means that our customers are able to burst to levels substantially over their commitment without ever having to worry about a slowdown due to network traffic.

ADVANCED POWER SUPPLY GUARDS AGAINST DOWNTIME

A loss of power can be catastrophic to a company's systems infrastructure. This can result in an interruption of communications and an inability to serve customers. MFN facilities are among the first data centers to utilize continuous power supply (CPS) flywheel online generators. These state-of-the-art generators are part of an overall power system that cleans and conditions commercial electrical power to remove any irregularities in the signal.

The CPS flywheel generators also eliminate the operational time restraints and unreliability of legacy battery-powered UPS (uninterruptible power supply) systems—which are often the cause of power failures in co-location facilities. According to analysts, the use of flywheel generators is also more environmentally friendly.

All power is run through the CPS generators before being passed into the facility; this builds up momentum in high-efficiency turbines. In the event of a loss of power from the grid, the momentum in the turbine ensures continuous power while the back up generators come online. The back up diesel generator can power the facility at full power for several days before fuel resupply is necessary.

COMPREHENSIVE SECURITY PROTECTS EQUIPMENT AND DATA

The shared environment of a co-location center requires a premium level of security to safeguard customer equipment and data. Each MFN Data Center uses advanced, proactive measures to ensure the security of your equipment. For example:

- Continual systems monitoring takes place on-site, as well as in our centralized Security Operations Center (SOC).
- The single point of entry to co-location areas is protected by bullet-resistant glass, doors and walls, as well as security guards on duty 24 hours a day.
- Proof of identity is mandatory from visitors and is authenticated against client-defined access lists by means of biometrics and card/identity systems.
- Once authorization is confirmed, cardkey locks allow visitors to access only their own equipment area.
- Customer equipment is secured within locked cages or secured vaults for added compartmentalization and security.
- Full-motion surveillance cameras capture activity within secured areas; security staff patrol the site 24x7.

EARTHQUAKES, TORNADOS OR HURRICANES: ARE YOU READY?

We are. A natural disaster can strike anywhere, at any time. The building where you locate your equipment should be designed to withstand such an event. MFN Data Centers are designed to provide continuous operation even under the most severe environmental conditions. Buildings located in quake zones are designed to withstand a "1,000-year earthquake" as defined by the Uniform Building Code (UBC). In other regions, windstorms and floods are considered in the design of the facility to ensure continuous operations even in the face of a natural disaster.

Should a disaster occur, the layout of each data center contains the problem to a small segment of the facility. Raised floor space is subdivided into multiple 6,000-10,000 square foot self-sufficient areas. Redundant power systems are located within separate power vaults, while redundant power circuits and network cabling run both overhead and below the raised floor.

Each data center has multiple points of entry for fiber runs on opposite sides of the building. Cooling water and other utilities serve the building in a ring architecture which can be rerouted around opposite paths of the building. Should a pipe be accidentally severed, the building will continue to receive services normally while repairs are made. On-site water wells and redundant underground fuel and water storage facilities provide additional insurance.

STATE-OF-THE-ART FIRE SUPPRESSION SYSTEM

As a first line of defense against fire, we incorporate the use of a Very Early Smoke Detection Alarm (VESDA) System. By using laser scanning technology, this system is 100 times more sensitive than a typical smoke detector and is able to detect smoke in a pre-combustion stage, allowing for proactive fire control. The VESDA system continuously samples return air at each air handler and triggers alarms at the slightest hint of smoke. This early warning system allows personnel to proactively search out the source of smoke and take immediate action before fire has a chance to spread.

In addition, a double-interlock, pre-action dry pipe fire sprinkler system is zoned to quickly control and confine any outbreak of fire while limiting damage to the facility and equipment.

ABUNDANT NETWORK CONNECTIVITY

A key benefit of co-location at an MFN facility is that the data center is plugged directly into MFN fiber, eliminating the bottleneck created by copper "last mile" network connections. In addition, the data center peers with all major network providers to ensure a broad, fast reach to the entire Internet. These extensive peering relationships have allowed MFN to build a global network with the largest aggregated bandwidth in the world. MFN pairs its own proprietary technologies with the best hardware available—including ultra-high-capacity routers—to monitor, manage, and maintain its network.

ABOUT MFN

MFN is the leading provider of digital communications infrastructure solutions. We combine the most extensive metropolitan area fiber network, a high performing global optical IP network, state-of-the-art data centers, and award-winning managed services to deliver fully integrated, outsourced communications solutions for Global 2000 companies.

One Network. One Infrastructure. One Source.

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