

The Value of a Second

If time is money, have you ever thought about the value of a second? It doesn't seem like much, but in the Internet economy, even a single second can translate into hundreds of dollars. E-commerce and an increasingly productive workforce are changing the rate of business transactions from hundreds per day to thousands per second. That's good, but it also means that just a few seconds of downtime can cost you dearly. So if the value of a second is worth so much today, just imagine the value of instantly scalable, 100% available bandwidth.

Time is also personal. Take it away from someone online, and they go elsewhere—usually to your competition. That makes your bottom line suffer—worse yet, it makes your brand suffer. Every second your customers wait, they lose confidence in your brand. Lose confidence and you lose customers for good. Now think about the value of instantly scalable, 100% available bandwidth.

In the new economy, time is everything—revenue, productivity, customer good will and brand loyalty. That means that your success is tied to the performance of your IP network. So choosing a network service provider is a critical. You need a provider who knows the value of a second to your business and works to protect your most precious asset.

MFN Global IP Network: Built to value each second

MFN is just such a provider, we understand the value of a second. In fact, we built the MFN Global IP Network for performance precisely because we know the value of each online second. If you want to know why our network performs, look at the assets we used to build it. The MFN Global IP Network is built for performance based on superior technology, robust interconnectivity, and total redundancy – all delivered on optical fiber with enormous capacity. And because we own the optical fiber, only the MFN Global IP Network can offer the following benefits:

- ❑ 100% guaranteed network availability
- ❑ Low packet loss & latency
- ❑ 100% dedicated to IP traffic
- ❑ Best available technology
- ❑ 100% optical network for maximum scalability
- ❑ Rich peering connections
- ❑ Intelligent Routing
- ❑ Real-time network status online
- ❑ Integrated Global IP Solution

The MFN Global IP Network isn't a patchwork of circuits built out of other network providers' choices. We own it. We design it. We manage it. And our primary objectives are security, redundancy and performance. That's how we protect the value of a second for your business.

100% Guaranteed Network Availability

MFN guarantees 100% network availability because you can't afford for your website to go down.

To ensure continuous uptime, the MFN Global IP Network is designed as a layered and regionalized network that allows for isolation and seamless redundancy in case of network problems. This design also allows for phasing in hardware and software upgrades without service interruptions. Because of this architecture, we stand behind our uptime performance 100%. No other network provider offers a better uptime service level agreement than MFN.

Low Packet Loss and Latency

MFN's guarantees packet loss does not exceed 1% because we know your customers won't tolerate slow performance. Some networks routinely drop more than 2% or more of the IP packets transmitted. That means, repeated requests for re-transmission of lost packets introduces latency and slow performance. So even if a provider touts low latency from point-to-point, don't be fooled. That low latency multiplies itself into high latency and causes slow performance due to excess packet loss. The MFN Global IP Network is continuously monitored to measure packet loss and transmission latency on the network. We don't tolerate more than 1% packet loss and we don't expect you should either.

100% Dedicated IP Network

Your valuable IP data transmissions are never a second priority for MFN. The MFN Global IP Network is the most advanced optical IP network available. Because we design our IP network from the ground-up, we can focus on our core competency, transporting IP packets reliably and efficiently to their final destinations. MFN delivers IP traffic rapidly because we reduce the number of network hops by strategically locating POPs throughout the world. Additionally MFN does not mix legacy telecom protocols on its advanced optical IP network such as analog voice, ATM and frame relay. Pure IP from end-to-end on the MFN Global IP Network means data carried by another telecom protocol is never given priority over your data. At MFN you're always first.

Best Available Technology

Networking technology advances everyday. Why risk the transmission speed of your data across IP networks patched together from multiple providers – especially when you can't know which patch has obsolete technology that may slow down your data? At MFN our world-class engineering staff is dedicated to building the MFN Global IP Network to exceed customer expectations. Because MFN owns its own network and our engineering staff works with multiple vendors, MFN implements the most advanced technologies into our network quickly. Diversifying the type of equipment we utilize not only increases the reliability and performance, but also the security of our network. At MFN your data isn't at the mercy of old technology.

100% Optical for Maximum Scalability

Don't risk turning a marketing triumph into a business catastrophe because you didn't have enough bandwidth capacity to absorb a spike in customer demand. At MFN, you don't have to worry. Bandwidth scalability is a built in feature of the MFN Global IP Network. 100% optical fiber means maximum bandwidth capacity, maximum scalability and maximum network performance. MFN currently has over 180 Gbps of IP network capacity and we constantly monitor bandwidth usage on each circuit. Because MFN can provision circuits from our own optical fiber infrastructure we can better manage network growth, capacity and scalability. You'd rather manage the growth of your business and MFN doesn't let bandwidth capacity and scalability issues distract you.

Rich Peering Connections

Your business depends on robust network interconnections to exchange traffic efficiently and cost effectively. Known as peering sessions, these are contact points where networks exchange traffic. MFN supports your business by providing rich and flexible peering relationships optimized to traffic patterns. Some providers rely only on private peering and sacrifice rich network interconnections for a few dedicated or private connections. MFN uses private peering when traffic volume demands a dedicated private peering connection. But MFN also uses public peering to build robust interconnections with many networks where low traffic volumes won't support private peering. MFN's peering relationships are optimized and don't restrict your business to a one-dimensional solution for a multi-dimensional problem. Why let another provider who insists on a single peering strategy reduce the benefits that rich peering connections bring to your business?

Intelligent Routing

The MFN Global IP Network is built on high capacity fiber, the latest technologies and rich peering connections. With all these advantages woven into our network, our engineers have the building blocks to deliver on the promise of intelligent routing across the MFN Global IP Network. MFN uses best exit routing policies to deliver your traffic to its optimal exit point. Your IP data isn't just handed-off at the first available exit regardless of the quality of the connection. MFN knows that a little intelligent routing may save a few seconds – your most valuable business asset in the networked economy,

Real-time Network Updates

We are so confident about the performance of the MFN Global IP Network we show you our report card online 24x7! If you are a customer, MFN provides you with your own private online interface to monitor your own traffic. MFN also reports aggregate network traffic publicly. MFN traffic analysis is reported in real time by our engineering team through four lenses (daily, weekly, monthly, yearly). Traffic analysis is also reported at several levels in the network including long-haul backbones, local-loops, peering points and customer aggregation points within MFN Data Centers. Visit our website at www.above.net and click on "Network Status."

Integrated Global IP Solution

And, there's one more significant advantage of the MFN Global IP Network – it's integrated into and connects our state-of-the-art MFN Data Centers. The MFN Data Centers are marvels of advanced engineering. They are specifically designed to integrate our MFN Global IP Network with physical facilities built specifically for business that make up the new economy, like yours. We seamlessly integrate our global optical IP network with world-class data centers to deliver a secure, high performance and redundant environment for your networked e-business. MFN - there's no better place where it all comes together in one Global IP Solution.

Solutions Summary

So you see, when you're considering the value of a second—and the value of an IP network—there's more to consider than the optical circuits. Network performance depends on how it's connected, managed and integrated into a solution that values a second as much as you do.