

IntelliSpace: Delivering Internet Access to the Big Apple



IntelliSpace works with real estate organizations to create "Internet Intelligent Space" by connecting commercial buildings to online services and helping building owners and managers make the Internet a building-wide amenity. This innovative Internet Service Provider (ISP) connects its "Internet Intelligent Buildings" with scalable bandwidth, and then markets its services to the businesses in each

building. Customers are connected via Riverstone Networks' high-speed next generation RS 2000 and 8000 Switch Routers located right in their building, enabling them to take full advantage of the latest services available through IP-based business solutions.

Founded in 1995 and headquartered in New York City, IntelliSpace has already wired more than 200 buildings with Riverstone Networks' RS Switch Router platform covering over 60 million square feet of space in the metropolitan New York area, and now in over 20 cities nationwide along with a growing international presence starting in London. IntelliSpace has wired well-known landmarks such as Rockefeller Center, Radio City Music Hall and 55 Broad Street, the city's high-profile technology building. In 1998, IntelliSpace powered the live Webcast of the Grammy Awards from Radio City Music Hall via a 10 Mbps link -successfully taking on the challenge with only 36 hours notice. In recent years, the company has expanded beyond the New York area and now has locations in Boston, New Jersey, Connecticut and Philadelphia -with plans to open offices in Houston, Atlanta and Washington, D.C.

Network Availability and Bandwidth

IntelliSpace provides dedicated Internet access at gigabit speeds, enabling customers to receive the fastest, most flexible Internet access available and enjoy guaranteed speed, dedicated service and flat access fees. Best of all, customers located in an IntelliSpace "Internet Intelligent Building" do not need their own networking equipment, enabling them to save on associated equipment costs.

IntelliSpace's fiber optic Manhattan backbone is fully redundant to the Internet backbone via gigabit OC-3c and multiple T3 connections to several carriers. To ensure network availability and guarantee customers consistent and reliable bandwidth, IntelliSpace needed a scalable, high-performance, end-to-end solution. And that's where Riverstone Networks entered the picture.

IntelliSpace implemented Riverstone Networks' award-winning RS 2000 and RS 8000 switch routers to provide the reliable, flexible fiber optic network connectivity to its clients. "We selected Riverstone based not only on performance and reliability, but also on the way that they worked with us to find a solution for our specific needs," said Carlo Lalomia, IntelliSpace's chief technology officer.



"Riverstone has been very responsive in helping us develop the right solution," added IntelliSpace founder and chairman Mark Josephson. "Not only do they have the products we need, but they also provide reliability to put the right solutions in our customers' demanding environments. We've built a strong relationship with Riverstone, and the people there went out of their way to make things happen."



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Bandwidth On Demand

IntelliSpace has 250 Riverstone RS 2000 Switch Routers in place with plans to incorporate 110 more of these industry-leading devices. The flexibility of the RS product family allows IntelliSpace to instantaneously provide customers with on-demand bandwidth – ranging from 64 kbps to over 100 Mbps according to their unique needs. In addition, IntelliSpace’s engineers are also investigating other applications for the RS product family.

Along with implementing the RS 2000, IntelliSpace is also using Riverstone’s higher capacity RS 8000, in the enterprise backbone. This robust solution combines superior capacity and wire-speed routing with pinpoint control of application flows, giving IntelliSpace the performance and control that it requires in even the most mission-critical environments. IntelliSpace delivers 10/100 Ethernet within its buildings, which are linked by fiber. In the future, the company intends to take advantage of the RS platforms scalability and Gigabit Ethernet capabilities, migrating to the more advanced technology as the need arises.

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Carlo Lalomia
Chief Technology Officer
IntelliSpace

Modularity and Scalability

The modularity and scalability of the RS Switch Router is very important to IntelliSpace. "Riverstone provides the functionality for the network to grow along with us," said Bob Froberg, IntelliSpace’s Senior Vice President and Chief Operating Officer. For added assurance, Riverstone’s comprehensive 24 x 7 service plan provides IntelliSpace with the engineering services, phone support and firmware upgrades that the company needs to deliver consistent service and guaranteed response times to its customers.

IntelliSpace also works with Aprisma, a partner of Riverstone Networks to provide an enterprise management platform, SPECTRUM, to monitor and control its network. SPECTRUM’s artificial intelligence delivers proactive, anticipatory management of multivendor networks - both large and small. "We considered five other platforms over a period of three months, and it was SPECTRUM hands down," said Lalomia. "From enterprise configuration to trouble ticketing to inventory to capacity planning -SPECTRUM had it all."

Riverstone Networks brings together world class technology with the RS Switch Router family, the IA Web Switch family and through partnerships enabling next generation service provider infrastructure.

e. nabling
Service Provider
Infrastructure

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