



INTERNETWEEK.com
TECHNOLOGY THAT CONNECTS THE ENTERPRISE

Part of the
TechWeb Business
Technology Network



BREAKING NEWS | E-BUSINESS | APPLICATION DEVELOPMENT | SECURITY | OPEN SOURCE | ALL STORIES

Enter term(s)

InternetWeek

TechWeb

Search

Advanced Search

INTERNETWEEK

January 25, 1999

Mirage Makes Broadband Bet

By JOHN FONTANA

Glenn Bonner shuns the very product that makes his company so successful. For most, that would be professional suicide. For Bonner, the chief information officer at Mirage Resorts Inc. in Las Vegas, it is professional survival.

Mirage Resorts, which runs four hotel/casinos and is opening another resort in Biloxi, Miss., later this year, survives on gambling and guests. Bonner guarantees that survival by betting on sure things.

Additional Case Studies

[Dow Intranet Becomes Classroom](#)

[Kmart: A Blue Light Web Site](#)

[Federal Express Comes Through With Flying Colors](#)

[Thin Is In At National Semiconductor](#)

[Sonoco Chooses Ariba System](#)

FREE Newsletter

Get the latest Internet news every day with the InternetWeek NewsBreak e-mail newsletter.

Tell me more

Sign me up

Focal Points

(sponsored links)

- Enterprise Spam Management
- Network Security
- Secure Mobility
- Windows Server 2003



- Web Hosting

Resources

Home
Features
About InternetWeek.com
Contact Us
E-Mail Newsletter
Tech Library
TechCareers
Privacy Statement

Resource Centers

Virtual Private Networks (VPNs)

TechWeb Sites

InformationWeek
InternetWeek
Network Computing
Network Magazine
Financial Technology
Network
Bank Systems & Technology
Insurance & Technology
Wall Street & Technology
Technology & Learning
Optimize Magazine
The Open Enterprise

Ad Info

His latest endeavor, activating the network at the new 3,000-room Bellagio hotel/casino last October, is the culmination of a strategy that has moved Mirage Resorts up a few rungs on the networking ladder but kept the company safely away from the bleeding edge.

[For More Case Studies](#)

"When the president of Bellagio looks me in the eye and says, 'Glenn, is this going to work?' I have to be able to guarantee success," Bonner said. "This industry is littered with careers that chose new systems for opening day."

Bonner began work two years ago toward an ATM-based metropolitan area network. The MAN is made up of 3Com CoreBuilder 7000 backbone switches in five locations in Las Vegas—the four hotels and the data center.

OC-3 links connect Bellagio, The Mirage and Treasure Island hotels. That 155-Mbps mesh will be extended to other locations this year, and the existing FDDI network will be retired. "The mesh provides the redundancy and resiliency we needed," Bonner said.

The jewel in the crown, however, may be the Bellagio LAN. It is made up of five CoreBuilder 7000s at the core, with OC-3 ATM links to five CoreBuilder 3500 Layer 3 switches and 70 SuperStack II 3000s in the data center and wiring closets.

In addition, the 3000s have 100-Mbps links to SuperStack II 1100 workgroup switches, which provide 10-Mbps switched connections to PCs and Windows-based Terminals.

Mirage Resorts has taken four autonomous

Custom Reports And Analysis

Sponsored Links

- [Wireless case studies, tech and more](#)
- [New backup solution made just for SMBs](#)
- [Corporate growing pains? Find relief at The Emerging Enterprise.](#)
- [Avoid open source complications once and for all](#)

Custom Microsite

mainframe environments, added the Bellagio and its ATM/Ethernet LAN, and linked them over the ATM MAN. The move makes the network—as opposed to the individual environments—the focus of the operation, and helps cut costs and administrative headaches. There now are fewer boxes to manage and more centralized administration of applications and devices.

"When a property is built, the technology that is current is the technology that you have to live with," Bonner said. Since the casino never closes, there isn't time to bring the system down for major overhauls.

"Networking is not an exact science; it is an art," Bonner said. "So you go and architect for scalability and capacity, and when you need it, you turn it on."

With that capability in place, Bonner won't have to gamble on the network's integrity.

Of The Week

Growing
Company?

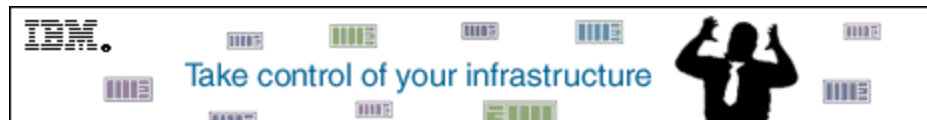
FOCUS ON

(sponsored links)

[FREE WHITE PAPER:
BLUEPRINT to design
and implement secure
VPNs](#)

[Rackspace-Managed
Hosting backed by
Fanatical Support\(TM\).](#)

[Home](#) | [Breaking News](#) | [E-Business](#) | [Application Development](#)
[Security](#) | [Open Source](#) | [All Stories](#)



[Media Kit](#) | [Copyright © 2003](#) | [CMP Media LLC](#) | [Privacy Statement](#) | [Feedback](#)