

NETWORKWORLD PRESENTS

The Critical Path to IPv6

December 13, 2011 » The Roosevelt Hotel » New York City

12/13/2011

7:30 am - 8:30 am

Registration and Continental Breakfast

8:30 am - 8:45 am

Welcome and Opening Remarks

Jeff Doyle, President, Jeff Doyle and Associates Inc.

Carolyn Duffy Marsan, National Correspondent, Network World

8:45 am - 9:30 am

Why IPV6 Matters

John Curran, President and CEO, ARIN

IPV6 matters – to the business. The rapid growth of Internet-enabled devices and applications has led to a depletion of IPv4 addresses, and IPv6 is the answer. In this session, hear from John Curran, President and CEO of ARIN, on how to educate your organization about the importance of IPV6, and how to gain support for it.



9:30 am - 10:15 am

IPv6 Implementation Case Studies

Paul Nicholson, Director of Product Marketing, A10 Networks

IPv6 isn't just conceptual. It is running in production networks and on the Internet today. Organizations have arrived at IPv6 through a variety of migration strategies and have used many IPv4 preservation techniques, too. Each technology and standard has its pros and cons. In this session, we'll look at how and why A10 customers have implemented different IPv6 technologies with case studies from

around the globe.



10:15 am - 10:45 am

Refreshments and Networking Break

10:45 am - 11:30 am

Strategies for Getting Started with IPV6

Scott Hogg, Director of Advanced Technology Services , Global Technology Resources, Inc.

Many organizations get stalled with their IPv6 deployments because they focus on the entire organization's infrastructure. Instead, organizations should focus on the Internet perimeter as the starting point and take a streamlined approach to getting IPv6 communications to their Internet web applications. Virtually all of an organization's web applications run on dual-protocol-capable operating systems but are on IPv4-only networks, making most of these applications accessible only via IPv4. With an IPv6-capable server load balancer or Application Delivery Controller (ADC), an organization could configure an IPv6 VIP and an IPv4-only server farm. There are many IPv6-capable Server Load Balancers (SLBs) on the market. Use of an IPv6-capable reverse proxy server could help accelerate your IPv6 Internet edge deployment.



11:30 am - 12:15 pm

Preparing Your Network for IPv6

John Brzozowski, Chief Architect, IPv6, and Distinguished Engineer, Comcast

Is your LAN prepared for IPv6? How about your WAN provider? What is the timeline you should be using to guide your efforts? Leading IPv6 expert John Brzozowski will guide you through the myriad of IPv6 choices, and how they impact people, process, and technology in your enterprise.

Specific areas for discussion will include service provider options, equipment challenges, infrastructure support, and application implications. John will also review and explain how concepts such as NAT, tunneling, and translation change with IPv6. And to close, John will address the topic of security – is IPv6 really more secure than IPv4?



12:15 pm - 1:30 pm

Networking Lunch with Discussion Tables

Deployment Considerations for your Corporate Network

Topics for discussion during this session will include considerations that business should account for when planning the deployment of IPv6. Applications, systems, network, and security topics will be discussed.

Hosted by John Jason Brzozowski, Chief Architect, IPv6 and Distinguished Engineer, Comcast Business

The Reality of IPv6: Implementation Strategies

During this interactive lunch discussion, we will discuss the real-world how, when and why of implementing IPv6 and IPv6 migration technologies. What should you be doing now?

Hosted by Steve Sacchi, Senior System Engineer, A10 Networks

Security Considerations for Migrating to IPv6

This lunch discussion will focus on essential network security issues to incorporate into planning process for IPv6 migration, likely threat vectors, and ways to mitigate risk.

Hosted by Patrick Bedwell, VP of Product Marketing, Fortinet

IPv6 Deployment Tips

Join us to discuss basic steps in IPv6 deployment and to share your experiences on IPv6 evaluation, planning, testing and deployment.

Hosted by Tim Rooney, Product Management Director, BT Diamond IP

1:30 pm - 2:15 pm

IPAM: Why a spreadsheet won't cut it for IPv6 address management

Tim Rooney, Product Management Director, BT Diamond IP

While tracking IPv4 address space using spreadsheets is manageable and even popular, the emergence of IPv6 will add a number of new challenges to this approach. Not simply because IPv6 addresses require hexadecimal notation, but because associated network services like DNS and DHCP must be configured with parameters consistent with the IPv6 address plan. Through case studies and real-world examples, this session will illustrate how disciplined IPv6 address management (IPAM) reduces errors and streamlines processes – and not only in the post-deployment phase. IPAM is instrumental throughout the IPv6 implementation cycle, from discovery and assessment to planning, deployment and ongoing management of a dual protocol IPv4-IPv6 network.



2:15 pm - 3:00 pm

IPv6 Address Planning & Design

Jeff Doyle, President, Jeff Doyle and Associates Inc.

Before requesting IPv6 address assignments, organizations will need to assess the IPv6 space they need, define their network topology and hierarchy, determine how mobility will fit in, and more. In this session, learn the right steps and best practices for planning and designing your IPv6 addressing.



3:00 pm - 3:30 pm

The Security Implications of Migrating to IPv6

Patrick Bedwell, VP of Product Marketing, Fortinet

The IPv6 protocol includes improvements in some aspects of network security, reducing the risk of certain types of threats. However, there are important security considerations in the protocol that organizations need to consider before launching their IPv6 migration plan. In this session, topics covered will include best practices for planning the migration, the state of IPv6 readiness in the security industry, and the most likely IPv6-based threats (and how to stop them).



3:30 pm - 4:15 pm

Pitfalls in Planning Your IPV6 Roadmap: An Interactive Panel

Jeff Doyle, President, Jeff Doyle and Associates Inc.

Scott Hogg, Director of Advanced Technology Services , Global Technology Resources, Inc.
Ed Horley, Principal Solutions Architect, Groupware Technology; Co-Chair, California IPv6 Task Force
Carolyn Duffy Marsan, National Correspondent, Network World

IPv6 implementation experts will field your questions on what NOT to do when rolling out IPv6. This panel will tackle common mistakes with IPv6 planning and address design, and the pitfalls to avoid when working with specific technologies (firewalls, load balancers, Windows servers and clients, mobile devices, etc.). Don't miss this opportunity to get all your questions answered before you tackle IPv6.

4:15 pm - 4:25 pm

Closing Remarks

Carolyn Duffy Marsan, National Correspondent, Network World