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Abstract	This deliverable provides a short summary of the news items published on the IPv6 Cluster website in the period September 2003 to October 2003.
Keywords	IPv6 IST News

Australian military to deploy IPv6

Date: Monday, September 08 @ 10:45:43
Topic: IPv6 Cluster News

The Australian military look set to follow the initiative of the United States Department of Defense in deploying IPv6 throughout their communications infrastructure according to this article.

Opera browser now supports IPv6

Date: Monday, September 08 @ 10:46:02
Topic: IPv6 Cluster News

The newly released Opera 7.20 beta supports IPv6 web browsing on the MS Windows platform. IPv6 support is also available for the Linux platform. Download Opera software from http://www.opera.com

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Wind River Drives IPv6 and IPSec Adoption

Date: Monday, September 08 @ 10:46:54
Topic: IPv6 Cluster News

Wind River's Technology Leadership and Innovation Enable Consumer Electronics Manufacturers to Ride the Next Wave of Networked Devices.

- Wind River announces plans to support IPv6 across all of the company's integrated embedded platforms.
- The first of those platforms, PLATFORM CD, provides the consumer electronics industry with the first ever, integrated embedded platform with dual IPv4 and IPv6 capabilities.

Alameda, CA-- September 2, 2003--Wind River Systems, Inc. (Nasdaq: WIND), the worldwide market leader in embedded software and services, today announced its plans to eventually support IPv6 across all of the company's integrated embedded PLATFORMS. In so doing, Wind River provides the first-ever integrated platforms with dual IPv4 and IPv6 capabilities, allowing customers to take full advantage of cross-product efficiencies and meet the changing needs of the networked world. Kicking off this initiative, Wind River announced the integration of IPv6 and IPsec to its WIND RIVER® PLATFORM for Consumer Devices (PLATFORM CD 1.1).

Click here for the complete press release.

IP Infusion Announces The ZebOS Access Products Suite

Date: Monday, September 08 @ 10:47:12
Topic: IPv6 Cluster News

IP Infusion, a leading provider of intelligent network software for enhanced IP services, announced today the availability of ZebOS® Access Products Suite (APS) version 1.2, an integrated networking and management software solution for the access equipment market. The ZebOS APS enables equipment vendors to rapidly design and build home gateways, SOHO routers, security appliances, and wireless LAN and WAN devices.

The ZebOS Access Products Suite delivers a comprehensive set of configuration tools that combine IP Infusion's advanced IPv4 and IPv6 routing software with DHCP client and server, NAT, stateful packet inspection firewall, PPPoE client, and virtual server. The ZebOS APS provides an industry-standard command line interface (CLI) and an intuitive web user interface to manage IP Infusion's routing protocols and Linux network applications. ZebOS APS version 1.2 introduces OSPFv2 routing and a customizable management interface API that allows equipment vendors to easily add, remove, or change CLI commands.
Click here for the complete press info.

EZchip's NP-1c Solutions for IPv6

Date: Monday, September 08 @ 10:47:39
Topic: IPv6 Cluster News

EZchip has implemented and provides customers with sample code for the NP-1c 10-Gigabit network processor implementing switch and router applications that are key for enabling Ethernet and IP service providers' networks.

IPv6 edge routers are gaining market momentum because of the growing shortage of available IP addresses and the upcoming 3G cellular networks with an IP address assigned per individual wireless phone or hand held device.
EZchip's IPv6, Draft Martini and VPLS application notes provide detailed review of the algorithms, lookup tables and packet processing, along with tested, well-documented source code.

The implementation of IPv6, Draft Martini and VPLS on EZchip's NP-1c provides comprehensive data plane processing along with control plane offloading for enhanced performance and simplicity.

Click here to read the complete application note.

When images get connected, they will eventually find IPv6

Date: Saturday, September 20 @ 11:02:21
Topic: IPv6 Cluster News

This is the Canon view about IPv6.

This is a very interesting interview from IPv6style on line journal to Canon CTO.

IPv6 will make it easier for vendors like us to offer connectivity-based solutions like MEAP (Multifunctional Embedded Application Platform) in a cost-effective manner. Users, on the other hand, will be able to connect to desired resources securely for necessary information exchange or operations. With MEAP, for example, we can easily ensure node-level security when sending important images to business partners.
Autoconfiguration of IPv6 address would drastically improve ease of installations and moves of the devices. We can conduct remote maintenance or control, and program updates cost-effectively in a secure manner.
Click here to read the complete interview.

IP Infusion and SSH Communications Security Team to Deliver Comprehensive Router

Date: Saturday, September 20 @ 11:08:06
Topic: IPv6 Cluster News

IP Infusion, a leading provider of intelligent network software for enhanced IP services, and SSH Communications Security, a world-leading developer of managed security middleware, today announced a technology agreement to provide customers with an interoperable scalable carrier-class routing and security solution. This solution includes IP Infusion's ZebOS® Advanced Routing Suite and SSH's award-winning IPSec (Internet Protocol Security) technology, SSH QuickSec™ Toolkit for Access Networks. IP Infusion and SSH also announced today that Furukawa Electric has selected the joint solution for its FITELnet family of metro and customer edge routers.
Click here to read the complete press release.

MontaVista Linux Carrier Grade Edition with IPv6

Date: Saturday, September 20 @ 11:08:38
Topic: IPv6 Cluster News

NextHop's GateD Ports to MontaVista Linux Carrier Grade Edition Offers Routing Manageability and Support to Network Equipment Manufacturers, now with IPv6.

MontaVista Linux Carrier Grade Edition provides a robust software platform to meet the demands of carriers and service providers. CGE is the first product to be fully compliant with the industry specification for Carrier Grade Linux released last year by the Open Source Development Lab – the OSDL Carrier Grade Linux Specification 1.1. The specification includes standards such as the Linux Standards Base (LSB), IPv6 (including IPSECv6 and MIPv6), SNMP support, and POSIX interfaces for timers, signals, message queues, semaphores, event logging and threads.
Click here for the complete press release.

Addressing the IPv4/v6 Issue (Again)

Date: Saturday, September 20 @ 11:10:23
Topic: IPv6 Cluster News

An interesting paper on address exhaustion has been published by Geoof Huston. Much of the deployment push for IPv6 is based on the looming shortage of IPv4 addresses. What Houston has done in this paper is to apply several different metrics to the IPv4 address space, to try and derive a prediction of address exhaustion.

The results are surprising: Houston contends that the current trends, if continued, would not exhaust the v4 address space for another 10 to 20 years. It may be that Houston is dead wrong; he admits as much himself – because, at the very least, any `linear' projection is pretty much useless in the face of a disruptive technology or unexpected event. But it's worth knowing that the address equation is much more complex

than might be suggested by simple subtraction...
Click here for the complete article.

Mozilla Adds Support for Internet Protocol Version 6 on Windows

Date: Saturday, September 20 @ 11:11:01
Topic: IPv6 Cluster News

People who wish to use something other than IE on Windows for IPv6 surfing can now use Mozilla. Bug 175340 has been marked RESOLVED FIXED.

The announcement is at mozillaZine.
You can download the latest Nightly Builds for both, Mozilla and Firebird.

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nGn announces new applications ported to IPv6

Date: Saturday, September 20 @ 11:11:37
Topic: Euro6IX

Within the scope of the Euro6IX project, novaGnet is porting several coce and applications to IPv6.

At the moment MRTG, INET6, Socket6 and PINE are already available.

Actually TCL is being considered.
These ports are available at the nGn Euro6IX site.

Status of IPv6 Support for Networking Applications

Date: Saturday, September 20 @ 11:12:10
Topic: IPv6 Cluster News

Deep Space 6, the Linux IPv6 portal, announced that the page regarding the "Current Status of IPv6 Support for Networking Applications", has been updated.

This is a very comprehensive list of all the IPv6 Ready applications.
Click here for the site.

Next Generation of Intelligent Intrusion Management

Date: Saturday, September 20 @ 11:12:56
Topic: IPv6 Cluster News

NFR Security, Inc., a leader in Intelligent Intrusion Management, today announced the release and immediate availability of NFR Sentivist 4.0, the next generation of its Intelligent Intrusion Management solution. The new version of NFR's flagship product adds many new capabilities that reduce false positives and enhance scalability and manageability, giving enterprises the intrusion detection tools necessary for effective network security, and raising the bar on this vital component of enterprise security infrastructure.

Sentivist enables enterprises to secure their networks against emerging threats and vulnerabilities that accompany the increasing use of IPv6. Specifically, it supports Next Generation Networks with its full support for IPv6, or Internet Protocol version 6, including tunnels (v4-v4, v4-v6, v6-v4, v6-v6). IPv6 offers a variety of new features and capabilities, including significant security enhancements, compared to the current IPv4 technology. However, because it is still an emerging technology, many security administrators are not aware of the risks inherent in the technology. By adding IPv6 support in Sentivist 4.0, NFR Security has provided organizations the ability to identify security threats related to this addressing scheme, such as attacks where intruders use IPv6-IPv4 tunneling techniques in an attempt to evade detection under the premise that most current IDS products do not offer IPv6 support.
Visit NFR Security site for more information.

Visual Studio.NET 2003 now with IPv6

Date: Saturday, September 20 @ 11:13:36
Topic: IPv6 Cluster News

Microsoft's flagship software development suite -- Visual Studio.NET -- has now been updated and enhanced with a new version, 2003.

This suite of software development tools targets the .NET platform. .NET is the fusion of Windows and Web-based technologies, with rich in-built support for memory management, database connectivity, and wireless and palm-held devices.

Currently the .NET framework support for the emerging IPv6 protocol. IPv6 is natively handled by ASP.NET and XML Web Services.

For the complete history click here.

Paion to Announce Availability of IPv6 enabled products

Date: Saturday, September 20 @ 11:14:09
Topic: IPv6 Cluster News

Paion to Announce Availability of its Highly Integrated Gigabit Ethernet Network Processor and Switch Fabric Chipset at CeBIT-Asia in Shanghai, China.

The first Network Processor and Switch Fabric to be developed by an Asian company will be on display at CeBIT-Asia (www.cebit-asia.com) from 18 to 21 September, 2003.

Paion announced a full suite of software support including various system development software libraries like IPv4, IPv6, and MPLS as part of the Paion Software Development Package(PSDP) development environment. Click here for the complete press info.

Teja Technologies Announces Support for Intel Network Processor with IPv6

Date: Saturday, September 20 @ 11:14:51
Topic: IPv6 Cluster News

Teja Technologies Inc., a leading supplier of network processor software, today announced that Teja NP, its award-winning software platform for the Intel(R) network processor product line, will support Intel's newest development platforms based on the AdvancedTCA(TM) (ATCA) form factor, as well as the Intel(R) IXA Software Development Kit, Release 3.1. These new development platforms, when combined with Teja NP, will allow developers using the Intel(R) IXP2400, IXP2800 and IXP2850 network processors to shorten their time-to-market by incorporating standards-based third-party software, hardware, and boards into their systems designs.

Teja's unique approach to embedded networking applications greatly simplifies development of software for the parallel, multiprocessing architecture of Intel network processors. Teja NP consists of an Application Development Environment, Network Processing Operating System (NPOS), and a library of foundation application building blocks available from Teja as well as Teja 3rd-party ISVs, including TCP Termination, IPv4 Forwarding, IPv6 Forwarding, and ATM. In addition to adding board support to Teja NP for the new AdvancedTCA platforms, Teja will deliver versions of its foundation applications optimized for the single-chip configuration.
Click here for the complete press info.

IP Infusion Announces IP Routing Suite Support Plans for Intel with IPv6

Date: Saturday, September 20 @ 11:15:21
Topic: IPv6 Cluster News

IP Infusion, a leading provider of intelligent network software for enhanced IP services, announced today its intention to support the Intel® IXP2400, IXP2800 and IXP2850 network processors and newly announced development environment. With its ZebOS® Advanced Routing Suite, IP Infusion plans to continue to provide enhanced IP routing protocol support for Intel network processors.

IP Infusion's latest ZebOS version features interface software that maps IP Infusion's NPapi control plane to the Intel® Control Plane Platform Development Kit (CP-PDK). The NPapi supports route table creation, call back functions, and adding and deleting table entries for IPv4 and IPv6. Using the NPapi, hardware manufacturers can easily develop a communication interface between their network processors and ZebOS protocol modules. Additionally, ZebOS delivers a broad set of Layer 2 and 3 products that are portable to the Intel network processors. Layer 2 products include Spanning Tree Protocol, Rapid Spanning Tree Protocol, 802.1x Port Authentication, and VLANs; Layer 3 products include IPv4, IPv6, Multicast, MPLS, Traffic Engineering, DiffServ, and VPN protocols.
Click here for the complete press info.

End of Life because IPv6 !

Date: Monday, September 22 @ 12:55:36
Topic: IPv6 News

With the advent of IPv6, some of the applications that had been designed to support NAT will no longer be needed.

This is the case for SpeakFreely.
Click here to read the complete history.

IPv6 Cluster project will demonstrate at IST2003

Date: Monday, September 22 @ 12:56:40
Topic: 6LINK

The IPv6 Cluster projects will demonstrate the latest achievements at the next IST2003 event.

These demonstrations have been arranged in a single booth, within the Broadband and Wireless Applications Zone.
Several projects will participate in this booth, including 6LINK, 6NET, 6POWER, Euro6IX and Eurov6.

The booth has been coordinated by the 6LINK project, jointly with Eurov6, that will also demonstrate new IPv6 Ready products and services, commercially available.

The EC IPv6 Task Force and the IPv6 Cluster organize a joint meeting

Date: Monday, September 22 @ 12:57:29
Topic: IPv6 Task Force SC

The EC IPv6 Task Force and the IPv6 Cluster have organized a joint meeting, to be held coincident with the kick-off of the Italian IPv6 Task Force.

This meeting is being held in Milan the day before IST2003, on October 1st 2003.

For your confirmation, you need to register.

*** NOTE: Everybody must be registered because we need to provide a list of attendees, for security reasons, so please, do not forget to register immediately!

There is a limited number of seats available, to be assigned by strict registration order.

AGENDA:
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Chair: Latif Ladid
09:00 Welcome.
Joao Da Silva (EC).
09:30 The EC roadmap.
Latif Ladid, EC IPv6 Task Force Chairman
10:00 Italian IPv6 Task Force presentation.
Leonardo Ferracci, TILAB.
10:30 Coffee Break
11:00 Barriers.
Peter Hovell (BT)
11:30 Status of IPv6 in Europe and RoW.
Jordi Palet (Consulintel)
12:00 IPv6 in 3G.
Karim El-Malki (Ericsson)

12:30 Lunch

Chair: Mat Ford
13:30 Technical presentation about Italy IPv6 projects participation, achievements.
Raffaele D'Albenzio (TILAB)
14:00 GARR Operational experience with IPv6.
Gabriella Paolini (GARR)
14:30 The IPv6 Cluster and new FP6 proposals.
Mat Ford (BT)
14:45 The IPv6 Cluster publication.
Peter Christ (T-Systems)
15:00 Coffee Break
15:30 Research Infrastructures.
Mario Campolargo (EC).

Chair: Latif Ladid
16:00 Open debate:
The way for the European IPv6 Task Forces.
Achievements, barriers and future work
(including short presentations from several speakers).
18:00 End of meeting

Venue details:
==========
Telecom Italia
Via della Boscaiola 26
Aula Marconi
MILAN

Click here for a map.

Hotels:
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There are several hotels near the venue and also the IST2003 venue. You can check:
- IST2003 hotels.
- Milan Hotels.
- Volareweb.

Multi-Gigabit switches with IPv6 support

Date: Thursday, September 25 @ 10:21:39
Topic: IPv6 News

Cisco Systems, Inc. today showcased a number of customer deployments featuring the Cisco Catalyst 6500 Series, the company's premier multilayer switch, using 10 Gigabit and Gigabit Ethernet in Enterprise, Government and Education markets.

Providing additional investment protection, a new distributed forwarding daughter card, for all new next generation interfaces, distributes system intelligence and delivers sustained system throughput of 400 Million packets per second (Mpps) for Internet Protocol version 4 (IPv4) and 200 Mpps for IPv6. The new intelligent system management feature, "Call Home" Event Notification, informs network personnel of system conditions via email and pager. The new capabilities and interfaces complement recent introductions of the Cisco Catalyst 6500 Series Supervisor Engine 720 with hardware-accelerated IPv4, IPv6, Quality of Service and network policy enforcement. Coupled with 10 GbE modules, intelligent security and content switching modules, customers can use their existing Cisco Catalyst 6500 investments to build the industry's only application-aware, high performance, 10 Gigabit and IPv6-ready-end to end networks, from the wiring closet to the network core to the data center.
The complete press info is available at the Cisco site.

Got extra horsepower in your system?

Date: Thursday, September 25 @ 10:22:46
Topic: IPv6 News

An interesting article that mentions IPv6 as an example.

Worth to read it.

Ericsson and Eurov6 project demonstrate IPv6 over GPRS

Date: Thursday, September 25 @ 10:24:07
Topic: Eurov6

In the scope of the Eurov6 project, Ericsson and TeliaSonera have successfully demonstrated IPv6 services over a commercial GPRS network in an international roaming scenario.

The demonstration shows that IPv6 services can be supported in a commercial mobile infrastructure, even when roaming, using automated IP tunneling. This can be seen as a stepping-stone toward native IPv6 networks and services including peer-to-peer applications.
An IPv6-enabled laptop with a Sony Ericsson GPRS PCMCIA was used to set up a connection through a commercial GPRS network in Belgium to the home network at TeliaSonera in Sweden. The laptop client automatically set up an IPv6-in-IPv4 tunnel using Intra-Site Automatic Tunnel Addressing Protocol (ISATAP) to TeliaSonera's IPv6 test mobile network, where IPv6 application servers are located and connectivity to the IPv6 Internet is provided.

Click here to read the complete press release.

Ixia "buy," target price raised, thanks to IPv6 !

Date: Thursday, September 25 @ 10:24:43
Topic: IPv6 News

According to WR Hambrecht's research note published this morning, Ixia is attractively positioned to benefit from the improving IT spending trends in the near term. The analysts mention that the company is a major R&D and test and measurement solutions provider for the IT industry. WR Hambrecht is optimistic about a continued sales momentum in the company's 10 Gigabit Ethernet products in the forthcoming quarters. In addition, the analysts anticipate robust growth opportunities ahead for Ixia in the VOIP, IPv6 and MPLS market segments.
Click here to read the complete info.

IPv6 Behind the Wall

Date: Thursday, October 02 @ 15:33:55
Topic: IPv6 News

IPv6 has technology advantages over IPv4, and most of them will not be seen by the end user any more than users see features added to other extensions to the Internet Protocol suite, sensors on their automobiles, or from any core technology evolution. This article focuses on three of those IPv6 technology advantages “Behind the Wall.”

An essential catalyst for the Next-Generation Internet is the Internet Protocol Version 6 (IPv6), which will provide an evolution to a more pervasive use of the Internet and networking in general. The current Internet, using IPv4, is insufficient to support the business and operational preconditions for peer-to-peer applications and security, billions of mobile devices, sensor networks, and the requisite distributed computing infrastructure to support a mobile society. The “band aids” applied to permit the current Internet to keep it operating has created additional operational costs and reduced operational capabilities for users and networks.
Click here to read the complete article.

IPv6 considerationg for edge routers design

Date: Thursday, October 02 @ 15:34:46
Topic: IPv6 News

An interesting article that compares the requirements and design considerations for edge devices and network search engines.

Click here to read the article.

Voyager IPv6 and Mobile IPv6 Integrated with OSE Real-Time OS

Date: Thursday, October 02 @ 15:35:20
Topic: IPv6 News

Elmic Systems, a leading supplier of embedded Internet protocols, today announced that the company has integrated their Voyager IPv6 and Voyager Mobile IPv6 products with Enea Embedded Technology's OSE real-time operating system (RTOS). Elmic's Voyager IPv6 makes it easy to add secure Internet connectivity, advanced addressing, routing, and network auto-configuration capabilities to embedded systems running the OSE RTOS.
Voyager Mobile IPv6 allows an Internet-enabled mobile host such as a cell phone, PDA, package delivery truck, other vehicles, etc., to send and receive IPv6 packets using its global IPv6 home address regardless of its current point of attachment to the Internet. This unchanging global IPv6 home address is a global network ID enabling "always on" Internet connections, as well as push technologies where the network initiates the connection to the mobile host.

Click here to read the complete press release.

Alcatel Redraws Router Strategy, including IPv6

Date: Thursday, October 02 @ 15:35:49
Topic: IPv6 News

Alcatel SA (NYSE: ALA - message board; Paris: CGEP:PA) officials confirmed today that the company has ceased development of its 7770 Optical Broadband Exchange (OBX) core IP router. It will now focus its research and development efforts on a new set of routers it acquired from startup TiMetra.

After the acquisition of TiMetra this summer, Alcatel decided to scrap further development of the 7770, concentrating future efforts on the existing TiMetra product line (see Alcatel & TiMetra Seal the Deal). The TiMetra platform, which has been re-branded the 7750 Service Router (SR), is specifically engineered to deliver IP services like Layer 2 and Layer 3 virtual private networks (VPNs) over an IP/MPLS backbone (see TiMetra Shoots for Service Edge).
Clidk here for the complete press info.

SuSE Linux Version 9.0 Prepped for October Release

Date: Thursday, October 02 @ 15:36:26
Topic: IPv6 News

SuSE Linux is set to release its latest consumer product, SuSE Linux 9.0. The company claims the update is the first home user operating system platform to leverage AMD's Athlon 64 processor, giving workstation users performance enhancements available only through the 64-bit architecture.
The update's DNS, DHCP, and Web servers for the home network will be easily be configured by means of graphical dialogs. The new XNTP module will allow the host to be synchronized with an atomic clock time server. Apart from the widespread Internet protocol IPv4, the next-generation IPv6 will also be supported.

For the complete press info, click here.

Matsushita makes IPv6 module

Date: Thursday, October 02 @ 15:37:06
Topic: IPv6 News

Matsushita Electric Industrial Co said Wednesday it has developed an Internet Protocol Version 6 (IPv6) module that realizes what it says is the industry's first data communications of 100 megabits per second for networked consumer electronics.
The module, which consists of IPv6-based communication software and encryption processing hardware, meets the requirements f ? R?+ R?P ?onics with a smaller memory capacity and less powerful central processing unit, Matsushita said in a statement. (Kyodo News).

Click here for the complete press info.

Fujitsu Goes To The Moon With Its Field-Proven GeoStream Routers

Date: Thursday, October 02 @ 15:38:07
Topic: IPv6 News

Fujitsu Ltd and Fujitsu Network Communications Inc., leading suppliers of IT and Telecommunications solutions, today announced it will join other vendors at the University of New Hampshire InterOperability Laboratory (UNH-IOL) to demonstrate the security and reliability of Internet Protocol version 6 (IPv6) with its GeoStream R920 IP/MPLS router in a US testbed named Moonv6.

"High Internet access, and the phenomenal growth of cellular phone use, has rapidly depleted the global IPv4 address space," says Floyd Ferguson, director, data network product planning for Fujitsu Network Communications. "This has resulted in the widespread use of NAT (Network Address Translation), a protocol that arose as a short-term solution to hold down the demand for IP addresses through address reuse. IPv6, with its near-limitless supply of address space, plus other protocol advancements, mitigates address

shortage issues, eliminates the need for NAT, and provides a solid platform for IT advancement and deployment of new end-to-end applications."

The Moonv6 project is a collaborative effort between the North American IPv6 Task Force (NAv6TF), the UNH-IOL, the Joint Interoperability Testing Command (JITC), various other Department of Defense (DoD) agencies, and Internet2 (I2). Taking place at multiple locations in North America, the Moonv6 project represents the most aggressive, collaborative, IPv6 interoperability and application demonstration event in the North American market to date. The UNH-IOL network will carry IP traffic over a multi-vendor, multi-protocol, geographically dispersed network, and will test both interoperability and IPv6 capability in various real-life scenarios.

Moonv6 testing occurs in two phases. Phase 1 will begin October 6, 2003 and last until October 17, 2003. Phase II will take place sometime in January 2004. Extensive interoperability and testing will cover multiple areas, including: Core Protocol Functionality (RFC compliance, neighbor discovery, tunneling, transition mechanisms); Router Functionality (RIPng, BGP4+, OSPFv3); Network support services (DNS, NFS, LDAP, E-mail and web services, etc.); Applications (Streaming media, web browsing, SSH, common business applications, etc.); and Security (host system security, router security, red teaming).

Click here for the complete press info.

InterWorking Labs Adds IPv6 Support

Date: Thursday, October 02 @ 15:39:13
Topic: IPv6 News

InterWorking Labs, developers of innovative products to measure, characterize, and debug next generation network devices in enterprise communications networks, today announced new features and capabilities in SilverCreek 7.3.

These new features include support for IPv6, the Advanced Encryption Standard (AES), and SNMP performance testing.
SilverCreek 7.3 provides support for devices using the IPv6 transport and conforming to RFC 2452, 2454, 2465, and 2466. This includes all IPv6 address types (link-local, site-local and global). At the SNMP/Tcl API level, in SilverCreek, the snmptcl engine now supports IPv6 transparently with support at the IPv6 link local, site local and global address space as well as the host domain name.

The U.S. DoD requires "(as of) October 2003, all network capabilities purchased by DoD be both IPv6-capable and interoperable with the department's extensive IPv4 installed base." SilverCreek 7.3 provides a mechanism for manufacturers to test compliance with IPv6 and provides the Department of Defense a mechanism for evaluating conforming products prior to purchase and deployment on government networks.

Click here to read the complete press info.

Network Processing Forum (NPF) and IPv6

Date: Monday, October 06 @ 16:47:53
Topic: OverDRiVE

The Network Processing Forum (NPF) today announced the availability of the MPLS Forwarding Service Application Programming Interfaces (API) with Diffserv and TE Extensions Implementation Agreement (IA), the IPv6 Unicast Forwarding Service API IA, the Packet Handler API IA and version 2.0 of the Software API Conventions IA.

The IPv6 API describes a vendor-neutral programming interface to configure and manage any IPv6 Forwarding Information Base (FIB). The specification provides an interface to configure and manage address resolution tables and it includes unified and discrete mode versions similar to those found in the IPv4 Forwarding Services API announced earlier this year.
Once these API's are implemented, the performance of the network processor-based systems executing these functions can easily be measured with the MPLS Forwarding Benchmark IA or the NPF IP Forwarding Benchmark IA. Both benchmarks enable design engineers to compare the performance of the various MPLS and IPv6 Unicast Forwarding Service API implementations with open, objective and reproducible tests.

Click here for the complete press info.

Hifn(TM) Announces IPv6 Support for HIPP Line of Security Processors

Date: Monday, October 06 @ 16:48:29
Topic: IPv6 News

Network security and flow classification market leader Hifn (Nasdaq: HIFN), today announced full IPv6 and WLAN security (IEEE 802.11i), and SSL VPN support for its existing line of Hifn Intelligent Packet Processing (HIPP) security processors. Hifn security IC customers need only update software to add support for the latest protocols.

Hifn supports all four modes of IPsec tunnel mode encapsulation: IPv4 traffic inside IPv4 tunnels (legacy support), IPv6 traffic inside IPv4 tunnels (enterprise upgrades), IPv4 traffic inside IPv6 tunnels (service provider upgrades), and IPv6 traffic inside IPv6 tunnels. Today, IPv4 packets are tunneled inside IPsecv4 tunnels. As IPv6 is deployed, first in the enterprise equipment, and then in the Service Provider equipment, there will be a phase where IPv4 will be tunneled inside IPv6 and vice versa.
Click here for the complete press info.

ARtem GmbH has selected Interpeak's dual mode IPv4/IPv6 IPNET stack

Date: Monday, October 06 @ 16:48:46
Topic: IPv6 News

Interpeak AB, the technology leader in embedded Internet and Security protocol solutions for embedded systems, today announced that ARtem GmbH has selected Interpeak's dual mode IPv4/IPv6 IPNET stack for its next generation Wireless LAN access equipment.

ARtem manufactures and delivers the OnAir Wireless LAN infrastructure product family. As a single-source supplier, ARtem is able to deliver comprehensive integration know-how for specific vertical markets--e.g. health, automotive and logistic applications--and to provide tailored system solutions.
Click here for the complete information.

Extreme's IPv6 enabled Ethernet Switching Platforms Ready to Interoperate

Date: Monday, October 06 @ 16:49:05
Topic: IPv6 News

Extreme Networks, a leader in Ethernet networking, is participating in this week's IPv6 Demonstration Collaborative Initiative in conjunction with the University of New Hampshire Interoperability Labs. Extreme Networks will supply its award-winning Ethernet switching platforms to validate the performance and interoperability of next-generation IPv6 capabilities as "ready for deployment."

The IPv6 Demonstration Collaborative Initiative, called Moonv6, will be deployed across geographically dispersed sites in North America. It will use a secure WAN environment consisting of switch, server and software platforms from multiple vendors. The tests will demonstrate the functionality of IPv6 including proper base specification, routing and mobility functions with the network infrastructure supporting DNS for IPv6, NFS, streaming media, common business applications and Web browsing.
Through its unique programmability, Extreme's next-generation 4GNSS switching ASICs support IPv6 for core Ethernet deployments with 10 Gigabit scalability. This delivers robust performance even in the face of changing draft standards.

Click here for the complete press info.

TCL 8.4.4 IPv6 Patch Released

Date: Thursday, October 09 @ 10:39:03
Topic: Euro6IX

In the scope of the Euro6IX project, code porting activity, TCL has been completed.

For the time being, only UNIX platforms are available.
At the nGn Euro6IX site you can find the patch and detailed instructions to setup a TCL IPv6 in your platform.

The Latest Products for IPv6 at CEATEC JAPAN 2003

Date: Thursday, October 09 @ 10:39:30
Topic: IPv6 News

The Latest Products for IPv6, the Next-Generation Basic Internet Technology Sustaining Ubiquitous Networks, Are on Display at CEATEC JAPAN 2003.IPv6 is the next-generation basic technology for the Internet. It would become impossible to connect personal computers (PCs) and digital home appliances to networks with IPv4 in years to come. However, adopting IPv6 in the future will make the number of IP addresses that can be provided nearly limitless (2 to the 128th power), and all compatible equipment in the world will be able to directly access networks. A wide variety of IPv6 equipment is being introduced at CEATEC JAPAN 2003.In Hall 5, you will come across the IPv6 Pavilion, where eight companies and organizations related to IPv6 are exhibiting IPv6 equipment and services. Expert staff are in the booth to provide precise, easy-to-understand explanations and presentations.The IPv6 Promotion Council is demonstrating some of the award-winning entries in the IPv6 Application Contest held this year, including the IPv6 Startup Kit, winner of the Judges Special Award. This kit makes it easy for anyone to setup their PCs to support IPv6, even if they don't know the necessary commands
For the complete press info, click here.

IPv6 seen as a boon for IT support staff

Date: Monday, October 13 @ 12:52:55
Topic: IPv6 News

Australian companies may be slow in transitioning to IPv6, but having more Automatic configuration features is a key benefit of the technology that will become more popular, said AARnet IPv6 working committee chair Michael Biber.

Speaking at the Connecting the Future 2003 conference in Sydney, Biber said the protocol will improve IT support.

"The IPv6 protocol supports Autoconfiguration, which allows a kind of plug and play where devices can give themselves a local IP address so that they can connect with the local network and discover the resources that are available to them," Biber said.

For the complete article, click here.

Teredo for FreeBSD

Date: Monday, October 13 @ 12:53:24
Topic: Euro6IX

Teredo allows nodes located behind an IPv4 NAT to obtain IPv6 unicast connectivity by tunnelling packets over UDP/IPv4.

This service has 3 entities: the "Teredo Server", the "Teredo Relay" and the "Teredo client". A Teredo Server is stateless whereas the Teredo Relay keeps a state of each peer.
We support the following IETF draft "draft-huitema-v6ops-teredo-00.txt"

The implemenation for BSD is available here.

Panasonic Exhibits Latest Multimedia with IPv6

Date: Monday, October 13 @ 12:54:19
Topic: Eurov6

Panasonic, one of the Eurov6 project sponsors, is displaying new IPv6 enabled devices at the ITU TELECOM WORLD 2003 12-18 October in Geneva, Switzerland.
As a key player in ubiquitous networking, Panasonic has been developing the necessary IP networks and broadband communication technologies that enable high-speed transmission of large volumes of data to information devices and home appliances. Through the development of IPv6 (Internet Protocol) technology Panasonic foresees the integration of various cellular systems and wireless network systems, forming a continuous, secure and seamless use of wireless networking, thereby creating a variety of new applications and services.

At ITU TELECOM WORLD 2003, Panasonic will showcase IPv6 related wireless and wired communications solutions and services based on Panasonic's vision of ubiquitous networking. The Panasonic booth will focus on three main areas:

In the "business communication ideas" area, Panasonic will exhibit new office related equipment and applications based on IPv6 wireless and wired advanced communication systems. The ENUM (tElephone NUmber Mapping) compatible IPv6 Direct IFAX machine is the world's first fax machine to combine ENUM and IPv6 technology, making it possible to send and receive large, detailed images at high speeds. Security technologies that ensure safe office environments will also be demonstrated such as network cameras and Iris recognition security systems (BM-ET300).

The complete press info is available here.

Military's RFID Alternative: IPv6

Date: Monday, October 13 @ 12:54:46
Topic: IPv6 News

A white paper suggests the U.S. military could use the new Internet Protocol to track items.

ODIN Technologies, an auto-ID consulting and integration company in Reston, Va., has produced a white paper that suggests the military could use a new version of the Internet Protocol to track items with RFID tags. The authors say that if the Electronic Product Code created by the Auto-ID Center doesn't catch on, the military could use tags that would carry a unique Internet Protocol address, which points to a specific location where information on that product would be stored.
The complete article is here.

BATM's Telco Systems selects EZchip processor for IPv6 routing platform

Date: Wednesday, October 15 @ 11:55:41
Topic: IPv6 News

EZchip Technologies, a developer of high-speed network processors, today announced that BATM Advanced Communications' (LSE: BVC) Telco Systems unit had selected the EZchip NP-1c 10-Gigabit processor for its next generation IPv6 routing platform.

"BATM/Telco Systems's decision to base their IPv6 router on EZchip's network processor underscores the benefits of using NP-1c for IPv6 solutions," said Eli Fruchter, president and CEO of EZchip. "With 25 customers already having selected EZchip's network processors, solid funding, strongly differentiated products and an NP-2 roadmap, we continue to substantiate our market leadership."
Click here for the complete press info.

Australia to get Ready for IPv6 certification

Date: Wednesday, October 15 @ 11:55:59
Topic: IPv6 News

A global, industry-based certification program for products and services that use the IPv6 protocol will soon target Australia's IT industry.

The IPv6 Forum, a global consortium of research networks with 160-plus members, including Cisco Systems, HP, IBM and Sun Microsystems, recently launched the IPv6 Ready logo program. (In 1992 the Internet Engineering Task Force initiated the effort to solve the shortage of addresses of Internet Protocol version 4 (IPv4). SIPP (Simple Internet Protocol Plus) was chosen from several IP candidates and adopted in 1994 and named the Internet Protocol version 6 (IPv6) in 1995 when a basic specification was established.) .
Click here to read the complete article.

US Commerce Department to study impact of New Internet Protocol

Date: Saturday, October 18 @ 19:02:41
Topic: IPv6 News

The US Commerce Department today announced the launch of a federal government task force to study how deployment of a new industry-developed version of the Internet Protocol, known as IPv6, will affect competitiveness, security and the needs of Internet users.
This next-generation Internet Protocol could pave the way for the emergence of a host of new Internet capabilities by providing a vastly expanded number of addresses for Internet-connected devices. In addition, it may facilitate improved security and reduce operational expenses for Internet users.

The task force, called for by President Bush's National Strategy to Secure Cyberspace, will be co-chaired by the Commerce Department's National Telecommunications and Information Administration (NTIA) and the National Institute of Standards and Technology (NIST) and will operate in consultation with the Department of Homeland Security and other federal offices and agencies.

Click here for the original press release.

Wind River Applauds Creation of Department of Commerce IPv6 Task Force

Date: Saturday, October 18 @ 19:04:31
Topic: IPv6 News

The Department of Commerce yesterday formed an IPv6 Task Force -- a recommendation called for in President Bush's National Strategy to Secure Cyberspace. The IPv6 Task Force will be dedicated to examining the security and competitiveness issues related to deploying IPv6.
Wind River supports this announcement since IPv6 is a critical protocol that will power a new era of Internet connectivity. Moreover, as many other countries move to IPv6, it is increasingly necessary for the United States to embrace IPv6 to stay at the forefront of information technology.

See the complete press release here.

Network DRAMs Shine in Datapath Designs

Date: Saturday, October 18 @ 19:05:48
Topic: IPv6 News

With line rates reaching 10-Gbit/s and beyond, designers need new memory solutions. Network DRAM architectures provide the latency and bandwidth needed to win out in next-gen, high-seed networking applications.
IPv6 and Network DRAM An emerging extension of the IP protocol is IPv6. This standard has a 40-byte header, compared to the 20-byte header for IPv4. The impetus for this new standard is the concern that as more nodes come online outside of the US, Europe and Japan, IPv4's 4 bytes worth of addresses may be insufficient.

This article show why Network DRAM is needed towards the high speed networks where IPv6 is being deployed.

DoD begins two weeks of IPv6 interoperability tests

Date: Monday, October 20 @ 15:26:08
Topic: IPv6 News

The U.S. Department of Defense (DOD) will explain in a Web conference later Friday why migrating the Internet's infrastructure to IPv6 (Internet Protocol version 6) is critical for the nation's defense, and will present its plans for a two-week test program called Moon which will examine interoperability of IPv6 equipment, software and services.
While governments and network operators in Europe and Asia have been conducting large-scale tests of IPv6 for the last three years, the U.S. response to IPv6 has been "lackluster," according to the Web site of Moon's organizers. And the country is still playing catch-up: The tests the DOD will present originally were due to begin on Oct. 3 and finish Friday, but have not yet begun, according to information provided by the organizers.

Participants in the Moon tests include the DOD, the Interoperability Laboratory of the University of New Hampshire, the North American IPv6 Task Force, networking software and equipment vendors including IBM Corp., Microsoft Corp., Hewlett-Packard Co., Cisco Systems Inc., Fujitsu Ltd., Sun Microsystems Inc. and Nokia Corp., and the Japanese network operator Nippon Telegraph and Telephone Corp. (NTT)., according to an invitation to attend a news conference about the tests. Click here to read the complete article.

Test bed, task force will promote IPv6

Date: Monday, October 20 @ 15:26:35
Topic: IPv6 News

Six military sites have connected to the nation’s largest native IPv6 network, which will serve as a test bed for the usability of Internet Protocol Version 6.
Maj. Roswell Dixon of the Army’s Joint Interoperability Test Command at Fort Huachuca, Ariz., said the project was “groundbreaking for the Defense Department’s move to IPv6. This is the first time we’ve had representation from all the services” in a test of the new protocols.

The network, named Moonv6, is a collaborative effort by JITC, the North American IPv6 Task Force and the University of New Hampshire’s Interoperability Laboratory. Moonv6 has been in the planning stages for about six months, and the first phase is now complete; a second phase will begin in February. Much of the multimillion-dollar cost has been covered by in-kind contributions from participants.

Click here to read the complete article.

DoD Testing Next-Gen Internet Protocol

Date: Monday, October 20 @ 15:27:04
Topic: IPv6 News

The U.S. Department of Defense will begin testing Internet Protocol version 6 (IPv6), a technology that many have called the next-generation Internet and that the DOD has said is critical to national defense. The DOD is teaming with hardware and software vendors -- including Fujitsu, Cisco, IBM, Microsoft, HP, Sun and Nokia -- to test IPv6, which many believe will replace today's widespread IPv4 and provide the additional capacity and security required for more Internet-connected devices.
Click here for the complete press info.

UK govt policy group recommends v6-capable systems

Date: Monday, October 20 @ 15:27:37
Topic: IPv6 Task Force SC

In a draft recommendation for the UK e-government interoperability framework, which is adopting internet and world wide web standards for all government systems, there is a recommendation for IPv6 capable systems, that guides govt procurements.
The govt says it aims to reduce the costs and risk of operating information technology systems while keeping the public sector in step with the global internet revolution, which includes IPv6.

To read the complete document, click here.

North America's Largest IPv6 Network Pilot Deployed

Date: Tuesday, October 21 @ 02:20:28
Topic: IPv6 Task Force SC

North American IPv6 Task Force Collaborates With Department of Defense, University of New Hampshire's InterOperability Laboratory, Internet2 and Fortune 100 Companies, Contributes Resources.
The North American IPv6 Task Force (NAv6TF), dedicated to the advancement and propagation of IPv6, today announced that North America's largest IPv6 pilot network, Moonv6, has been deployed to provide the North American market with strong validation for IPv6 through testing and demonstrating the technology's effectiveness under real-world conditions. Mp> The Moonv6 project (http://www.moonv6.org) is a collaborative effort between the North American IPv6 Task Force (NAv6TF), the University of New Hampshire's InterOperability Laboratory (UNH-IOL), Internet2 (I2), and the Joint Interoperability Testing Command (JITC) along with other Department of Defense (DoD) agencies, including the U.S. Army, Air Force, Navy and Marines. Taking place across the U.S. at multiple locations for the next six months, the Moonv6 project represents the most aggressive collaborative IPv6 interoperability and application demonstration event in the North American market to date. Click here to read the complete new.

Agilent Technologies' New IPv6 Routing Test Equipment Successfully Validates ...

Date: Tuesday, October 21 @ 02:20:51
Topic: IPv6 News

Agilent Technologies' New IPv6 Routing Test Equipment Successfully Validates Emerging Internet Protocol .

RouterTester 900's New Application Enables Faster Test Cycles, Meets QoS Requirements for IPv6 Interoperability at Multi-Vendor Test Event .
Agilent Technologies Inc. (NYSE:A) today announced a new routing emulation application for its RouterTester 900 tester that has successfully identified and solved IPv6 (Internet Protocol version 6) implementation issues. Agilent was instrumental in helping over 25 major equipment vendors, network operators and branches of the U.S. military at the Moonv6 Test Event to test interoperability, speed test cycles and meet QoS requirements for IPv6 technology and network equipment.

Click here for the complete press info.

Bay Micro Intros Classifier Chip

Date: Tuesday, October 21 @ 02:21:10
Topic: IPv6 News

Bay Microsystems, a leader in high performance packet processing, today announced Biscayne, a programmable classification processor that can parse, classify and police packets and cells at rates up to 16 Gbps, at minimum packet size regardless of traffic patterns. At 16Gbps for both ingress and egress, and with power dissipation of only four watts, Biscayne is the industry's lowest power classification processor. Biscayne connects seamlessly to Bay's other Internetworking Processor™ (InP) products, including Montego™, a single chip OC-192c/10G programmable internetworking processor, traffic manager and SAR. Based on the same deterministic, superscalar, pipelined architecture as Montego, Biscayne's classification and policing functions support a wide range of existing and emerging applications, including Ethernet, IPv6, IPv4, ATM, Packet over SONET, Frame Relay, MPLS and DiffServ.

For the complete press info click here.

Defense Department begins six months of IPv6 interoperability tests

Date: Tuesday, October 21 @ 02:21:46
Topic: IPv6 Task Force SC

For the next six months, the U.S. Department of Defense (DOD) will operate the largest multivendor IPv6 (Internet Protocol Version 6) network to date.
Today, the North American IPv6 Task Force announced that the network, dubbed the Moonv6 project, has been deployed to evaluate next-generation Internet technology to support network-centric military operations.

For the complete press info click here.

Task Force Deploys IPv6 Pilot Network

Date: Tuesday, October 21 @ 02:22:05
Topic: IPv6 Task Force SC

The North American IPv6 Task Force (NAv6TF) announced Monday the launch of North America's largest Internet Protocol version 6 (IPv6) pilot network. Known as Moonv6, it is being deployed to provide the North American market with strong validation for IPv6 through testing and demonstrating the technology's effectiveness under real-world conditions.
The Moonv6 project is a collaborative effort between NAv6TF, the University of New Hampshire's InterOperability Laboratory (UNH-IOL), Internet2 (I2), and the Joint Interoperability Testing Command (JITC) along with other Department of Defense (DoD) agencies, including the U.S. Army, Air Force, Navy and Marines.

Click here to read the complete document.

Routing Software Put to the Test in the Moonv6 Initiative

Date: Tuesday, October 21 @ 02:22:27
Topic: IPv6 News

An Aggressive Collaborative IPv6 Interoperability and Application Demonstration Event in the North American Market.
IP Infusion, a leading provider of intelligent network software for enhanced IP services, announced that it is participating in the Moonv6 project, a collaborative effort spearheaded by the University of New Hampshire InterOperability Laboratory (UNH-IOL) that is testing interoperability of IPv6 routing and applications over geographically dispersed IPv6 networks. Over twenty-five leading communications equipment, software and server vendors are participating in the Moonv6 project; this collaboration represents the most aggressive IPv6 interoperability and application demonstration event to date.

Read the complete press info here.

Moonv6 Project Pushes for IPv6 in North America

Date: Wednesday, October 22 @ 10:11:19
Topic: IPv6 Task Force SC

Moonv6, a collaborative project to build and demonstrate the U.S.'s largest-ever IPv6 network, completed initial interoperability testing last week at the University of New Hampshire InterOperability Laboratory (UNH-IOL). Organizers of the Moonv6 project believe that while adoption of IPv6 in Asia and Europe has been a forgone conclusion for several years now, a great deal of doubt has persisted in the North American market. The Moonv6 project aims to change this by launching the most aggressive IPv6 event in the North American market to date.
The primary IPv6 test event held last week involved approximately 80 servers, switches and routers configured in dual stack mode, with IPv4 and IPv6 running in tandem. The tests verified basic connectivity and interoperability of various routing, switching and tunneling applications in an IPv6 environment and demonstrated the performance of new IPv6 protocols including RIPng, OSFPv3, iBGP4+ and eBGP4+.

The Moonv6 network will continue to serve as a proving ground for use by industry, universities, research labs, Internet providers, the DoD and other government agencies, assisting in wide-scale deployment of IPv6 throughout North America. Click here to see the complete article.

DoD sets plan for move to IPv6

Date: Wednesday, October 22 @ 10:11:37
Topic: IPv6 News

The Defense Department has selected two networks that will lead the transition to IP Version 6 during pilots over the next year.
The Defense Research and Engineering Network and the Defense Information Systems Network-Leading Edge Services were chosen as IPv6 test beds because they have large numbers of users, are centrally managed and can be isolated from other DOD networks, Defense officials said.

Click here for the complete info.

Award for Innovative Mobile IPv6 e-Vehicle

Date: Wednesday, October 22 @ 10:14:19
Topic: IPv6 News

The IPv6 e-Vehicle project was honored with Murai Award for innovative mobile technology Validation on the road started in June 2003, and so far, the project is getting noticed.
The IPv6 e-Vehicle research project recently received the Murai Award for innovative mobile technology from Jun Murai, the IPv6 Promotion Council Chairman and Keio University Professor. This award highlights the joint development by Cisco Systems and Renault Prospect & Research Division to enable a vehicle with IPv6 mobile connectivity and multiple applications, including:

- End user/passenger Internet access.
- Wireless connectivity within the vehicle to connect PDA and other wireless devices.
- Wireless connectivity from the vehicle to infrastructures such as WiFi, GSM data, GPRS, while accommodating future radio systems.
- In-vehicle diagnostic system: IP-enabling the alarm and general purpose diagnostic environment, allowing a central support center to monitor and initiate actions remotely.
- Enhanced fleet management system based on "always-on, always reachable" concepts. GPS localization system carried and integrated onto the IP infrastructure, for enhanced real-time services based on actual position.

Details can be seen here.

Isabel 10th Anniversary Event

Date: Wednesday, October 22 @ 10:15:46
Topic: Euro6IX

The "Isabel 10th Anniversary Event" will take place on thursday 23th of October 2003 from 15h00 to 19h00 (Central European Time). The event commemorates the 10th anniversary of the first RACE Summer School on Advanced Broadband Communications, which took place in 1993 and where Isabel was first used in a public event over the first ATM transnational interconnection, between Spain and Portugal.
The ISABEL application was used for organising International Distributed Conferences (IDC) every year during 1993-1998. The event follows also the path started in the 2nd Madrid Global IPv6 Summitt where IPv6 was used for the first time in an Isabel event and were Steve Deering spoke over IPv6 from UCB-California to Madrid. Speakers and attendees will participate over the virtual Isabel teleauditorium connecting approx. 50% of the 30 sites ver native IPv6. This number shows the huge progress that the deployment of IPv6 has achieved since then.

More information, as well as the program can be found here.

You are also invited to follow the workshop with your Web browser over the Webcast here.

NETWORKING 2004: call for papers

Date: Wednesday, October 22 @ 10:19:29
Topic: IPv6 Cluster News

The closing date for submitting papers to the IFIP Networking 2004 Conference has now been extended to Friday the 7th of November 2003.
Full details of the CFP and further information regarding Networking 2003 can be found at website here.

TELECOM 2003: IPv6 was a major issue

Date: Wednesday, October 22 @ 10:20:23
Topic: IPv6 News

IPv6 was one of the major technological issues highlighted by many Japanese exhibitors. In particular Panasonic, NTT and Toshiba are planning ahead their IPv6 development and deployment.
Details can be seen here.

IST Mobile & Wireless Communications Summit 2004

Date: Wednesday, October 22 @ 10:21:38
Topic: 6LINK

The 13th IST Mobile & Wireless Communications Summit (27-30 June 2004, Lyon, France), which is the first of the 6th Framework Program, will provide a major forum to present results of the European initiatives and highlight the latest ones of the 6th framework shaping the future.
It will also be a key event to confront visions on future mobile and wireless technologies and systems, to identify new business opportunities, and to discuss the future roles of all the parties involved in the Information Society Technologies (academia, research enters, companies, SMEs, etc.)..

Authors are invited to submit papers containing original results in all areas of wireless personal communication systems and networks. Further submission details on the conference web page.

Submission Deadlines

- Draft Camera Ready Full Paper submission: 13th February 2004
- Notification of Acceptance: 26th March 2004
- Final Camera-Ready Paper Due: 7th May 2004

Details can be found here.

Xelerated Unveils the X11 Network Processor

Date: Wednesday, October 22 @ 10:22:11
Topic: IPv6 Task Force SC

Xelerated Second Generation NPU Sets a New Standard for Performance and Integration for Midrange Enterprise and Low End Metro Ethernet Designs.
In the X11 data flow pipeline each packet passes through 360 PISC(TM) processors, raising the performance standard established by the X10q by 80%. Integrated 10 Gbps MACs with programmable XAUI interfaces allow direct connection to enterprise switch fabrics and Ethernet transceivers. Integrated algorithmic search co-processors allow direct connection of high performance DRAM without consuming additional processing resources. Table search bandwidth has been increased to 110 Gbps to support high functionality applications, including advanced IPv6, while using inexpensive DRAM. Xelerated will disclose the architectural details of the X11 at the Network Processor Conference in San Jose on October 23, 2003.

"The availability of high performance, low cost, programmable architectures such as the X11, will facilitate graceful integration of IPv6 into the enterprise, catering for swift response to changes as networks gradually integrate IPv6 into the current IPv4-based networks," states Latif Ladid, President, IPv6 Forum and Chair European Union IPv6 Task Force.

For the complete info click here.

Australia to get ready for IPv6 certification

Date: Wednesday, October 22 @ 10:22:41
Topic: IPv6 News

A global, industry-based certification program for products and services that use the IPv6 protocol will soon target Australia's IT industry.
The IPv6 Ready logo program's local launch will coincide with that of the IPv6 Forum Downunder, to be held at the annual Linux.conf.au conference on January 12, in Adelaide.

The Australian Academic and Research Network IPv6 working committee chair, Michael Biber, said he hoped an Australian test lab will be established next year.

Click here for the complete info.

FreeBit Develops IPv6 Telephony Service that Works in IPv4 Environment

Date: Wednesday, October 22 @ 10:23:02
Topic: IPv6 News

FreeBit has developed FreeBit OfficeOne, an IP telephony system with IPv6 functional features but works in IPv4 environment.
According to FreeBit, FreeBit OfficeOne is the world's first IPv6 telephony system that utilizes a technology called SIP, where a virtual IPv6 environment is created in an IPv4 environment. FreeBit has been testing its SIP technology from March to September of this year.

FreeBit will begin offering telephony services based on FreeBit OfficeOne system to SOHOs and small enterprises with about five phone lines, from December 2003. Users are able to cut communication costs and will be able to use their current NTT phone numbers, according to FreeBit.

The original info is here.

Cisco's Catalyst 6500 raises the stakes

Date: Wednesday, October 22 @ 10:24:24
Topic: IPv6 News

New line cards and management modules for Cisco's Catalyst 6500 switches push the performance envelope in a number of ways, including IPv6 routing.
In the first-ever public test of IPv6 routing, the Catalyst moved traffic at line rate even when handling 250 million flows.

The complete information is here.

Xelerated and Teradiant Demonstrate Interoperability at 40Gbps

Date: Wednesday, October 22 @ 18:17:00
Topic: IPv6 News

Xelerated, developer of the first single-chip, 40Gbps network processor, and Teradiant, developer of the first single-chip, 40Gbps traffic manager, today announced availability of a joint solution targeting high-performance, high functionality, cost optimized metro Ethernet systems.
Targeting a range of advanced applications such as VPLS, MPLS, Martini Draft, IPv6, IPv4, and Diffserv for metro core, metro edge and metro access, the solution demonstrates the ability to provide deterministic 40Gbps performance and advanced queuing for all packet sizes. For example, the network processor, traffic manager switch and associated memory devices consume only 14.6W per 10Gbps in 40Gbps configurations. The chips' high levels of integration enable system vendors to achieve full-duplex bandwidth at less than $500 per 10Gbps for these components.

Click here for the complete info.

Opening up the last-mile market

Date: Thursday, October 23 @ 15:31:12
Topic: IPv6 News

KUALA LUMPUR: The Energy, Communications and Multimedia Ministry will continue encouraging more providers of "last-mile" wired and wireless broadband access to homes and businesses, according to its minister Datuk Amar Leo Moggie.
At the First Asean IPv6 Summit 2003 in Kuala Lumpur's Putra World Trade Centre on Tuesday, Moggie admitted that despite his ministry's efforts, the provision and installation of last-mile broadband access in the country was inadequate.

He was responding to an In.Tech query on the relevance of enabling more broadband services through the adoption of the IPv6 (Internet Protocol version 6) when adequate physical provision of such access to homes was still a big problem in Malaysia.

Complete press info here.

DOD Test Fires IPv6

Date: Thursday, October 23 @ 15:31:50
Topic: IPv6 Task Force SC

The American military has taken the first steps toward migrating its network to IPv6. Last week, the U.S. Department of Defense completed the first phase of testing, in what many are calling the largest and most ambitious IPv6 interoperability demonstration ever put together.
In collaboration with the University of New Hampshire InterOperability Laboratory (IOL), the North American IPv6 Task Force, Internet2, and more than 30 networking vendors, testing vendors, and service providers, the DOD assessed the interoperability of standard IPv6-enabled network gear in a nationwide testbed.

Despite the scale of the test, it was designed for the DOD and may have little impact on commercial applications. None of the test results have been published, so nobody really knows the results.

Click here for the complete press info.

Procket Networks Participates in National Demonstration of IPv6 Capabilities

Date: Friday, October 24 @ 09:28:41
Topic: IPv6 Task Force SC

Procket Networks, a leading provider of high performance Internet Protocol (IP) networking equipment, today announced participation in Moonv6, a multi-vendor interoperability test event designed to enhance awareness and promote adoption of Internet Protocol Version 6 (IPv6) in North America.
Procket supports both IPv4 and IPv6 on all interfaces, enabling throughput of 960Gbps in the PRO/8812 and 80Gbps in the PRO/8801, regardless of address family. In recent third-party tests, the PRO/8801 platform demonstrated line rate forwarding of IPv6 traffic across four OC-192c interfaces on a single line card. These tests were designed to stress the system with both minimum packet sizes as well as a typical blend of Internet traffic. The tests verified wire speed performance across the board.

Click here for the complete information.

IPv6 Test Equipment Vendors contribute to Moonv6

Date: Sunday, October 26 @ 11:40:47
Topic: IPv6 News

Publicity surrounding a round of IPv6 tests by the U.S. Department of Defense has drawn attention to the equipment used to determine whether routers and other equipment conforms to IPv6 specifications.
Four IPv6 test equipment vendors donated equipment and personnel to the effort, called Moonv6: Agilent Technologies Inc. (NYSE: A - message board), Ixia (Nasdaq: XXIA - message board), Navtel Communications, and Spirent Communications.

Click here for the complete press info.

IP Issues reported on BBC World

Date: Sunday, October 26 @ 11:42:15
Topic: IPv6 Task Force SC

With the cooperation of the IPv6 Task Force, BBC World did a special programme about IPv6. The report is available online, including video footage of the interview which has been shown around the world.
Click here for the complete report, including links to the video.

Tackling the net's numbers shortage

Date: Sunday, October 26 @ 11:44:08
Topic: IPv6 Task Force SC

BBC ClickOnline's Ian Hardy investigates what is going to happen when the number of available IP addresses - globally unique Internet Protocol addressing numbers - becomes critcially short.
In the early days of the Internet it seemed improbable that all of the four billion available IP addresses would be used, but that is exactly what is happening.

Read the complete info at BBC NEWS.

Ready for IPv6

Date: Sunday, October 26 @ 11:45:42
Topic: IPv6 News

You've probably read about a wondrous future in which everything from PCs and PDAs to cell phones, automobiles, and home appliances are connected to the Internet. Imagine: You're on a business trip, and your PDA alerts you that someone is at the door of your home, thousands of miles away. You check your front door Webcam, open the door to let a FedEx guy deliver a package, and then lock the door after he leaves—all wirelessly.
This is also a June and July article pair from PC Magazine, but still good.

Slides and Pictures from the Belgian IPv6 Event

Date: Sunday, October 26 @ 11:47:08
Topic: Eurov6

The slides and pictures of the past Belgian IPv6 Event are now available. The event was held in parallel to a major interoperability session in Brussels in September 2003.
Both are available here.

1st ASEAN IPv6 Summit slides available

Date: Sunday, October 26 @ 11:48:33
Topic: IPv6 Cluster News

The slides from the IPv6 Summit held in October 2003 in Kuala Lumpur are now available from the official web site for the event.
Click here for the programme and slides.

New Internet (IPv6) Workshop at WSIS

Date: Tuesday, October 28 @ 17:09:55
Topic: IPv6 Task Force SC

The IPv6 Task Force is organising, in the scope of the World Summit of the Information Society, a workshop on the New Internet (IPv6). The workshop will be hosted in Geneva, 9th December, 2003, and features talks oriented to the value of IPv6 for end users and emerging nations.
The details are available here, and the agenda has now been published.

Internet group mulls a meaty meeting

Date: Tuesday, October 28 @ 17:11:02
Topic: IPv6 News

The group that oversees Internet domain names and addresses said Monday that its meeting this week in Tunisia will focus on IPv6, VeriSign's "wild card" redirection service, and intellectual property rights in domain names.
Representatives of the Internet Corporation for Assigned Names and Numbers (ICANN) predicted in a conference call that the discussion groups will produce more "substantive" discussions than those formed during previous meetings, which often were devoted to internal procedures.

Click here for the complete press info.
