EtherPeek NX v2.0 and EtherPeek for Windows v5.0
Multiple NIC Simultaneous Analysis

For the first time, protocol analysis can be performed simultaneously on one or more LAN segments and one or more WAN segments with the same tool. EtherPeek NX v2.0 and EtherPeek for Windows v5.0 both provide this capability; a capability that has remained unavailable in any protocol analysis tool until now.

EtherPeek NX 2.0 is the first analyzer to allow multiple, simultaneous capture sessions to be active at the same time. EtherPeek NX supports as many network interface adapters as can be managed by the operating system and the hardware platform. We’ve configured systems with eight separate adapters in our lab. Each adapter captures packets into its own separate capture buffer. In fact, multiple capture buffers can be used for a single adapter to separate different types of traffic (ie: TCP/IP into one buffer, NetWare into another). The only limitation on capture buffer use is the available memory in the system and the speed of the system’s CPU.

**Simultaneous, Real-Time LAN/WAN Analysis**

A hardware platform that allowed the use of eight network interface adapters could be attached to eight LAN and/or WAN segments at the same time. EtherPeek can capture simultaneously from all eight segments, and the time stamps on the packets are all matched (since they are all time-stamped from the same system clock.) One or more of the adapters can be the Logix Communications Mocha WAN Agents. The Mocha WAN agent allows connection to X.21 (V.11, RS.422), RS.449, V.24 (RS.232-C), RS.530, V.35, ISDN Basic Rate B1, B2, and D, E1/703 and T1 interfaces including Clear Channel and Fractional channel groups.

In this configuration, EtherPeek can be attached to both multiple Ethernet segments (via switch mirror ports or simple repeating hubs used as line taps) and multiple WAN segments (using the Mocha WAN Agent software and hardware) at the same time.

With the new releases of EtherPeek, it now becomes possible to analyze conversations as they pass through a WAN router either to-and-from an Ethernet or between separate WAN segments.
**Using EtherPeek to Analyze Challenging Database Problems**

A database implementation often makes use of data tables stored on multiple servers. Servers may be attached to different switches in a data center environment. When a client makes a database query the packet traffic is not limited to a single path across the network. Conversations are established between the client and multiple servers, and the servers themselves may have conversations between them. To complicate matters, these queries may involve an Internet router. By simply attaching EtherPeek, simultaneously, to the appropriate switch mirror ports (or by using simple repeating hubs as line taps) the entire database system can be analyzed at one time. Packet flow from the client to the various servers and routers can be captured in one set of time-synchronized buffers. Problems that used to require many repeated attempts at isolation can now be captured in one troubleshooting operation. Only EtherPeek provides this capability.

**Using EtherPeek to Troubleshoot WAN Router Problems**

The network communication path can be analyzed on the Ethernet-side and the WAN-side simultaneously. It can be determined whether or not packets coming from the Ethernet segment are actually being transmitted across the WAN link, and what the delay is through the router. Because both “sides” of the router can be captured simultaneously a comparison of “traffic in” to “traffic out” can be easily performed. Moreover, in a situation where load-balancing WAN links are in use, or where multiple WAN circuits are provided (perhaps by different WAN service providers) it’s possible to tap multiple WAN links simultaneously (and multiple Ethernet segments, too) and see the complete in/out behavior of a router. Only EtherPeek NX provides this capability.
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WildPackets Academy provides the most effective and comprehensive network and protocol analysis training available, meeting the professional development and training requirements of corporate, educational, government, and private network managers. Our instructional methodology and course design centers around practical applications of protocol analysis techniques for Ethernet and 802.11 wireless LANs.

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● Web-Delivered Training
● On-site and Custom Courseware Delivery
● The (T.E.N.) Technology, Engineering, and Networking Video Workshop Series
● On-site and Remote Consulting Services
● Instruction and testing for the Network Analysis Expert (NAX™) Certification

For more information about consulting and educational services, including complete course catalog, pricing and scheduling, please visit www.wildpackets.com/academy. NAX examination and certification details are available at www.nax2000.com.

Live Online Quick Start Program

WildPackets now offers one-hour online Quick Start Programs on using EtherPeek NX/EtherPeek and AiroPeek NX/AiroPeek, led by a WildPackets Academy Instructor. Please visit www.wildpackets.com for complete details and scheduling information.

About WildPackets, Inc.

WildPackets, a privately-held corporation, was founded in 1990 with a mission to create software-based tools to simplify the complex tasks associated with maintaining, troubleshooting, and optimizing evolving computer networks. WildPackets' patented, core “Peek” technology is the development base for EtherPeek™, TokenPeek™, AiroPeek™, and the NX™ family of expert packet analyzers. All are recognized as the analysis tools of choice for small, medium, and large enterprise customers, allowing IT Professionals to easily maximize network productivity. Information on WildPackets, WildPackets Academy, Professional Services, products, and partners is available at www.wildpackets.com.