Customer Profiles and Quotes
Spring 2002

Arkansas State University
Arkansas State University's commitment to excellence in higher education is demonstrated by its accreditation by the Higher Learning Commission of the North Central Association of Colleges and Schools, as well as 15 specialized accrediting organizations. In addition, the university holds membership in 22 organizations that support the highest educational standards. It is the only comprehensive public university located in this region. Dedicated to teaching, research and service, the university provides students with the broad educational foundations that help develop critical thinking and analytical skills, decision-making capabilities, and communication skills.

"E-learning tools supplement the classroom experience and complement our mission to create a broad educational foundation for higher learning, " said Greg Williamson, associate director of Information and Technology Services at Arkansas State University. "Our 10 Gigabit Ethernet modules fit our unique requirements in a cost-effective manner while giving us the technology platform necessary to quickly introduce and manage new tools and capabilities that can supplement the learning experience of our students."

Curtin University of Technology
With over 31,000 students, Curtin University of Technology is Western Australia's largest university. Curtin boasts an international orientation, designing programs that are responsive to national and workplace needs, and its promotion of cultural diversity and lifelong learning. Curtin offers over 850 undergraduate and postgraduate courses in business, engineering, health sciences, humanities, science, mining and agriculture. The university is upgrading its network in order to implement video over IP, as well as enhanced data and security services. Andrew MacDonald, Manager of Network Services at Curtin, believes that the new IP network will enable students and staff to communicate more efficiently between facilities.

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“When we started using 10 Gigabit Ethernet in November 2001, we found we could quickly and cost-effectively scale our existing Internet Protocol infrastructure for greater performance, security and flexibility – even when deploying rich media like video over Internet Protocol,” said Andrew MacDonald. “Consequently, students and staff are able to share teaching resources online and view lectures via video to communicate more efficiently between facilities.” Curtin University of Technology is also evaluating 10 Gigabit Ethernet as part of the university’s strategy to move to Internet Protocol (IP)-based storage area networking (SAN). “The upgraded infrastructure will also allow us to use SANs more efficiently.”

Kyoto University

Kyoto University is among the finest research universities in the world. With its 10 faculties, 14 graduate schools, 13 affiliated research institutes, and 17 research and educational centers, it is the second largest national university in Japan. The university has 13,900 undergraduate students, 7,800 graduate students, 2,800 teachers and 2,500 administrative staff. In October 2001, Kyoto University began connecting its Yoshida and Uji campuses using 10 Gigabit Ethernet over Metro distances to provide the high speed connectivity necessary to enable E-learning tools for students and faculty to effectively use online science and study tools across campuses.

“To support E-learning tools like streaming video, we needed the ability to support high-bandwidth connections over the extended distances between our campuses,” explained Dr. Hiroki Takakura, associate professor of the Data Processing Center at Kyoto University. “The 10 Gigabit Ethernet modules provide the scalable architecture necessary to cost-effectively manage and deliver such bandwidth-intensive traffic,” continued Dr. Takakura. “The modules will also help me achieve better network response time, yet at the same time keep my network management responsibilities simple.”

Lawrence Berkeley National Laboratory

Lawrence Berkeley National Laboratory is a multi-program lab where research in advanced materials, life sciences, energy efficiency, detectors and accelerators serves America's needs in technology and the environment. Located near one of the world's great universities – the University of California at Berkeley, world-class researchers at LBNL have received at total of nine Nobel Prizes, five in physics and four in chemistry. Founded in 1931, LBNL is the oldest of the national laboratories, and has approximately 4000 employees. The network that supports LBNL research and operations is LBLnet.

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"We have folks who develop applications that need 10 Gigabit Ethernet now. The good news is that there's equipment out there that can deliver 10 Gbs at wire speed today that satisfies those needs," says Mike Bennett, Deputy LBLnet Services Group Leader. "LBLnet currently supports 15,000 network-attached devices on the main site and five remote sites. And LBLnet's capacity is expanding, driven by the combination of 10/100/1000 Mbs NICs getting cheaper, applications requiring more bandwidth, and the needs of researchers who predict significant increases in traffic due to the large data sets they work with. 10 Gigabit Ethernet delivers the performance to increase network bandwidth and the simplicity to maintain the network with a small staff."

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