MULTINET®

CUSTOMER PROFILE

University of Arizona

MultiNet Provides Unmatched TCP/IP Security Service to University of Arizona

***The University of Arizona** (UA) in Tucson is one of the top ranked research universities in the United States. Approximately 35,000 students are enrolled at UA, with students attending from more than 100 foreign countries.*

Faculty and students at the University of Arizona have access to one of the world's most powerful computers. The UA's supercomputer made its first appearance on the TOP500 supercomputer list in 2000 and in 2001, the UA is one of only 18 universities in the U.S. and 45 in the world to make the list.

Dependability and security are top concerns for servicing the needs of their arizona.edu network. MultiNet has been used for years to provide the stability and security they require.

MultiNet provides the primary DNS and DHCP services for the University of Arizona's arizona.edu OpenVMS cluster. The same cluster also provides centralized SMTP services for the University. MultiNet is used primarily as a forwarding service for the SMTP tasks, while working in conjunction with Process Software's PMDF messaging product.

Students, faculty and staff use DHCP to gain access to University resources from the residence halls, dorm rooms, classrooms, library, and other campus locations. In order to gain access to the DHCP server, clients must register. Over 14,400 clients are currently registered for this service. The DHCP clients are assigned a temporary lease from a pool of 6,000 addresses. "The MultiNet DHCP server has been very reliable. As more and more people access the University resources using the DHCP server, we have been able to depend on MultiNet to support the growth. Additionally, we are evaluating using the DHCP failover capabilities offered in MultiNet to ensure uninterrupted service" said Chris DeYoung, Network System Analyst.

The University looked to the new SSH v2 (Secure Shell) and SCP (Secure Copy Protocol) features in MultiNet 4.4 to provide the necessary encryption for connectivity that is required for remote management in today's

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MULTINET - Customer Profile

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- Chris De Young
Network Systems Analyst

environment. SSH and SCP are used primarily for management access to avoid passing privileged passwords around in clear text. The primary cluster, several standalone machines, and several UNIX machines are managed remotely using SSH and SCP in order to upgrade and troubleshoot systems. "MultiNet's SCP and SSH v2 features offer protection with both authentication and encryption that is critical in securing our network.

I have experimented with competing TCP/IP services for OpenVMS and found that MultiNet is not only more reliable, but it is also easier to configure and manage. I have been very pleased with MultiNet's performance and continued advances," said De Young.

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