



ITACS

Information Technology and Communications Services

Naval Postgraduate School, Monterey, California

Tech News

March 2005

TELNET Replaced By SSH

DoD's **Joint Task Force - Global Network Operations** has directed the closure of outbound Telnet, port 23 at the border routers. **Telnet**, a remote access protocol previously used at NPS, was closed last month. **Secure Shell (SSH)** protocol is now required for all remote connections. SSH provides the same capability as Telnet, but encrypts the network packets as they are being transmitted. **Putty** is a free downloadable SSH client that has been successfully used at NPS for several years. Please contact the TAC at 656-1046 for assistance in transitioning to SSH.

ERN

An ITACS working group continues implementing the **Education and Research Network (ERN)** which will provide full capabilities on the new .edu domain. Separate server clusters are being configured, and connection issues are being addressed. ITACS staff are the first to move to the new .edu servers, to test and correct any transition issues.

Oracle Technical Briefing

Dr. Christine Cermak hosted a technical briefing on March 2. The half-day session highlighted Oracle's Service Oriented Architectures (SOA) and the enablement of Net Centric Operations. CIOs from the Peninsula were invited. **Gil Gonzales** (CSUMB), **John Grunder** (MIIS), and members of the DMDC IT organization attended.

IT Task Force News

On 22 March, **Alan Pires** briefed the IT Task Force on three major projects: SharePoint Portal implementation for the Research Office, Web redesign, and the alumni database. ITACS is supporting each of these initiatives.

The move to a **content management system (CMS)** for NPS's home page at www.nps.edu is a major improvement. It will separate the "look and feel" of format from the content, and make it easier for Web authors to keep their pages current and relevant. A pilot project using open source software will begin soon.

CENIC

NPS's bid for membership in **CENIC, the Corporation for Education Network Initiatives in California**, is gaining momentum. Founded in 1997, CENIC is now one of the most successful developers of advanced-services networks for research and education. CENIC's **California Research and Education Network (CalREN-2)** is the California analog of **Internet2**, the national next generation research and educational network. CalREN-2 supports remote instrumentation, multicasting, video streaming, virtual classrooms, large-scale distributed digital storage, distributed 3D interactive simulation, and remote imaging, analysis and diagnosis.

Streaming Media

ITACS' Streaming Media project, under the direction of **Joe LoPiccolo**, has completed the vendor evaluation and procurement phase. Webcast in a Box is the product chosen. It captures a live video stream and presents a DVD-quality picture via the Internet to DL students around the country. Current testing and feedback from students is very positive.

This quarter's graduation was streamed and made available to friends and family not able to travel to Monterey to attend. Check the archive at: http://webcastinabox.com/nps/graduation_winter_2005.ram

SUN Technology Advisory Council

The **Sun Microsystems Technology Advisory Council** held its annual meeting in Carmel on 17-18 March. The group visited the MOVES Institute at NPS and met with Dean of Research **Dr. Leonard Ferrari** and MOVES Institute Director **Rudy Darken**. **Dr. Don Brutzman** and his research team showcased multiple projects using advanced modeling and simulation methods. The Sun group held its dinner that evening on the Quarterdeck. **VADM Dick Miller** (Ret) welcomed the group and provided an introduction to the Naval Postgraduate School and the NPS Foundation.