Los Alamos National Laboratory Integrated Computing Network

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Description

The computer environment at the Los Alamos National Laboratory (LANL) is supported by a multi-security level Integrated Computing Network (ICN) which integrates large host super-computers, a file server, a batch server, a printer and graphics output server and numerous other general purpose and specialized systems. Among the latter are experimental machines such as the Intel Hypercube, the FPS T-series machine and two Connection Machines. In addition to unclassified network access, remote, secure access over LANL installed encrypted data links is supported for classified computing up to the Secret level for NSI, FRD and CNWDI information categories. Current (August, 1989) production host systems include two Y-MP/832s, two X-MP/416s, one X-MP/48, one X-MP/24 and an X-MP/14. The latter machine runs UNICOS while the others run CTSS.

Network access

External networks connected to the ICN include MILNET, ESNET, NMFENET, HEPNET, BITNET, CSNET, SPAN, NSFNET, NWCNET and TELENET. In addition, LANL maintains a national T-1 backbone network supporting point-to-point, unclassified and secure data links to major users of the ICN. Dial-in access at up to 9600 bps is also supported for both classified and unclassified connections.

Who Can Use the Network

US Government agencies and their contractors requiring services uniquely provided by LANL. For further information, please call Kay Fletcher (skf@lanl.gov) at (505) 667-9463.