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Unigroup Events

Thanks to Chase Bank, Unigroup holds regular meetings, generally on the third Thursday of odd-numbered months at 55 Water St., NYC, with special meetings at PC EXPO and UNIX EXPO. Upcoming meeting dates are: 1/15/98, 3/19/98.

this month's meeting topic:
Security Policy Development

next meeting's topic:
Hummingbird NFS
Beame and Whiteside

Or, checkout our web site
http://www.unigroup.org/unigroup

Unigroup General Information

For general information, to get on the Unigroup electronic mailing list, or to change address, send email to *unilist@unigroup.org* or send mail to the post office box listed above.

Directions to 55 Water Street

Unigroup meetings are held at 55 Water St., which is located in lower Manhattan on Water St. at Old Slip, near Wall St. Enter 55 Water St. at the Old Slip entrance. Transit: Take the #4 train to Bowling Green, the #2 or #3 to Wall St., the M or J to Broad St. or the N or R to Whitehall St. If you come by car, parking is generally available on the street. However, there is a parking garage in the building.

Yearly Membership Fees

Yearly Membership	$ 50.00
Student Yearly Membership	$ 20.00
UniForum/Unigroup Joint Yearly Membership	$125.00

Cash, Check, American Express accepted

UNIGROUP of New York, Inc.
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UNIX TIPS

Some common UNIX programs are written for a networked environment. Bear in mind that each networked computer is itself a network node and will receive its own transmissions. Special precautions may need to be taken to enable or disable execution of instructions intended for other nodes. For a stand-alone computer, networking software can still run (as long as it doesn't address hardware) even without any networking equipment. Some programs, such as RPC, require that the computer loop back to itself in this way.

The IP network *loopback address* is (by convention) 127 with the *localhost* table entry appearing as 127.0.0.1 (known as the *loopback interface*) with a netmask of 255.0.0.0. The /etc/hosts entry for this address is usually *localhost* and simply *lo* (or lo0) in the interface configuration file (ifconfig). "Loopback-only systems don't have a subnet address." (Welsh & Kaufman, Running Linux, O'Reilly) The BSD kernel config names the pseudo-device 'loop'; the SCO kernel, in /etc/conf/cf.d/mdevice calls it 'llcloop'. (Craig Hunt, TCP/IP Network Administration, O'Reilly) –MES

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LAN Bills?

When programs issue large numbers of unnecessary requests on a LAN it can lead not only to heavy network traffic, but if a telephone service is used, e.g., ISDN, per-call billings can reach thousands of dollars. In the August 25 Infoworld Help Desk, Brett Glass mentions two of the offenders. Glass says that "P.J. Plauger reports that the Windows 95 TCP/IP stack itself makes periodic requests to its domain name server." The other offender mentioned was the Hewlett-Packard JetAdmin program of the Color LaserJet 5/5M, which on default settings probes its local IP subnet for printers (via ARP Address Request Protocol) — 60 to 80 times per second to a whole Class B network (more than 65,000 addresses).

UNIGROUP of New York Newsletter is the official publication of UNIGROUP of New York, Inc., the New York area UNIX system users group. Statements of fact and opinion are made on the responsibility of the authors alone and do not imply endorsement of the product noted or an opinion on the part of the UNIGROUP officers or members.

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Unigroup of New York

Newsletter

Volume 15, Number 6 November 1997

MEETING ANNOUNCEMENT

Topic: **The Development of a Security Policy**

Speaker: **William Garner, President**
North American Performance Group, Inc.

Where: **The Chase Manhattan Bank**
(formerly Chemical Bank)
55 Water Street, South Tower
13th Floor Conference Rooms B & C

When: **Thursday, November 20, 1997**

6:00–6:30 PM	**Registration**
6:30–6:45 PM	**Unigroup Business**
6:45–930 PM	**Main Presentation**

Security Policy is the foundation on which an organization builds it's security infrastructure. This presentation will discuss the vital component parts of a security policy, numerous legal implications of a security policy, and various strategic considerations that must play a part in the development of a security policy. This presentation will include 'how to' aspects of policy development.

William Garner has been in the field since 1986, with experience in systems administration and management, general consulting, security audits, training, and application development. His view considers both Unix and non-Unix mainframe approaches. *Free refreshments will be served.*

Meetings are free for members and employees of the host. $20 for non-members for a single meeting, $5 for students for a single meeting.

ANNOUNCEMENTS

SHOW INFORMATION

Fall Internet World '97, Dec. 8-12 (10-12 exhibits), Javits Center.

www.internet.com, *fiwprogram@mecklermedia.com*, 1-800-MECKLER. Red Hat Software will be exhibiting. Look for a LXNY Red Hat meeting.

LAST MEETING

Unigroup held its September general meeting at the IT Forum/Unix Expo at the Javits Center. The topics were the Gemini Project, the Santa Cruz Operation's merger of Open Server with UnixWare, and the planned 64-bit future Unix being developed with Hewlett-Packard. Tamar Newberger of SCO, used her polished speaking skills and intimate knowledge of the plans to attempt (with limited success) to present the material which is restricted by non-disclosure agreements with HP and Intel. Thank you Ms. Newberger and Peter Gordon of the NYC SCO office.

Unigroup had a booth at the IT Forum/Unix Expo, too. Thanks go to Rob Weiner, Michael Smith, Dina Sarti, Dan Wexler, Asher Mantle, Jay Sulzberger, and Art Sullivan for their volunteer work.

PUBLISHING

ACM Digital Library Open House, reported here last issue, has been extended thru 31 Dec.

TISSEC, the ACM Transactions on Information and System Security, a new journal, is scheduled to launch in March 1998.

A facsimile of the original Ethernet article, *Ethernet: Distributed Packet Switching for Local Computer Networks* by **Robert M. Metcalfe** and **David R. Boggs**, Xerox Palo Alto Research Center, is available online at: *http://www.acm.org/classics/apr96*

Reprinted from *Communications of the ACM*, v19n5, July 1976, pp. 395-404 ©1976, Association for Computing Machinery Inc.

Coming from Prentice Hall in 1998: (one of the standard works) *Internetworking with TCP/IP: Vol. III, Client-Server Programming and Applications for the AT&T TLI Version, 2/e*, by **Douglas E. Comer** and **David L. Stevens**, 525 pp. Cloth $57. ISBN 0-13-260977-0 (1/e Apr '97!) *http://www.prenhall.com/search.html*

From O'Reilly: *Practical UNIX & Internet Security, 2nd Edition* (April 1996), by **Simson Garfinkel** & **Gene Spafford**, ISBN 1-56592-148-8, Order Number: 1488, 1004 pages, $39.95. Twice the size of the very readable 1st ed. They claim "a complete rewrite."

Also Coming Soon: *Managing IP Networks with Cisco Routers*, by **Scott M. Ballew**. 1st Edition October 1997 (est.) ISBN 1-56592-320-0, Order Number: 3200 250 pages (est.), $29.95 (est.) It is offered as explicating general principles thru Cisco-specific examples. *http://www.ora.com/order/catorder.html*