

# Show 'n' Tell

(Berkeley Style)

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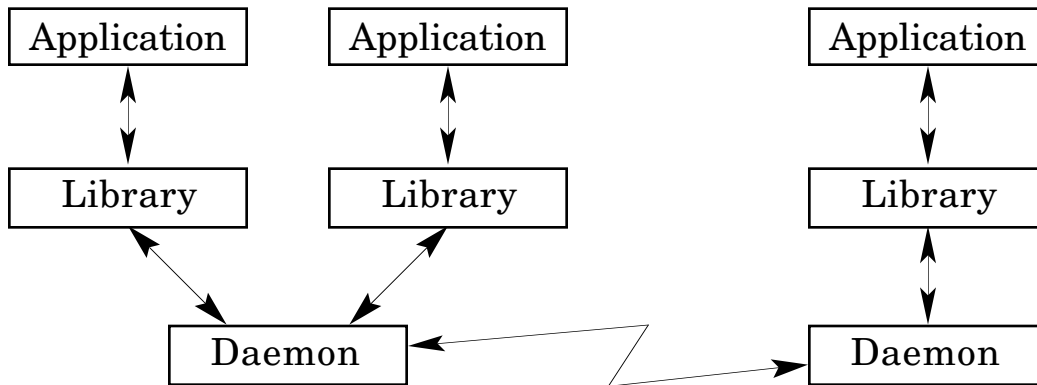
# What I've Been Doing

RCAP (Will he ever finish?)

XUNET 3 (The Search for Gigabits)

Sendmail (Once a sysadmin...)

# RCAP



Application      The user program

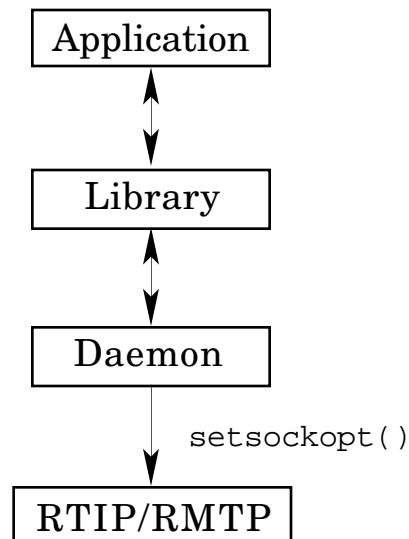
Library            Application interface  
                      RPC client stubs

Daemon             Per-node state  
                      RPC server stubs  
                      Peer connections

# RCAP

## Status

- Daemon/library combination working (mostly) on local testbed
- RCAP-RTIP interface under construction



# XUNET 3

*“Gigabit networking” via HIPPI*

*Goal: Provide gigabit service between LBL and UCB.*

*Application: High-speed disk access to RAID II disk array (Randy Katz & Co.).*

# XUNET 3

## Work to be done

- Port data delivery protocols to SunOS with HIPPI
- Port data delivery protocols to RAID II HIPPI interfaces
- Characterize XUNET 3 components
- RCAP on RAID II host

## Status

- Fibers between UCB and LBL in place
- Equipment ordering in progress
- Software awaiting completion of prototype protocol suite

# Sendmail

Question: Can tenet effectively support anonymous FTP as a supplement for file-server@tenet?

Issues:      Security  
                 System load      ✓

Idea: Find out how much load is being caused by file-server.

Assumption: Workload to support anonymous FTP similar to that needed by file-server.

# Sendmail

Methodology: Collect “traffic traces” from sendmail syslog entries.

Preliminary results as of Sunday morning, 4 AM:

We took in:

623 messages (6.0 MB) locally.

906 messages (7.0 MB) from all Tenet machines.

118 messages (5.3 MB) from file-server@tenet.

3037 messages (46.6 MB) total.