



# Tech Info Library

## UNIX: KIP and CAP Information (6/94)

Article Created: 4 September 1988

Article Reviewed/Updated: 27 June 1994

TOPIC -----

This article discusses KIP and CAP software.

DISCUSSION -----

KIP is the IP-ETHER/APPLETALK gateway software used with the Kinetics KFPS. Developed by Bill Croft at SUMEX, Stanford University, KIP is public domain.

The Columbia AppleTalk Package (CAP) for UNIX was written by Bill Schilit and Charlie C. Kim of Columbia University. A library of routines enables a UNIX host to communicate using the AppleTalk Transaction Protocol (ATP), AppleTalk Session Protocol (ASP), Printer Access Protocol (PAP), Name Binding Protocol (NBP), and the AppleTalk Filing Protocol (AFP--client side). It, too, is public-domain software

The first major applications written using these libraries is the AppleTalk Filing Protocol UNIX File Server (AUFS), which is the server part of AFP. AUFS requires that AppleShare workstation software be installed on the client Macintosh. CAP includes applications that can be used to print to a LaserWriter, spool for a LaserWriter, and act as UNIX-based, AppleShare-compatible file server.

The CAP libraries currently require use of the UDP protocol from the DARPA TCP/IP suite of protocols and other features generally provided only in Unix systems based on 4.2 BSD Unix.

If you have Internet access, you can "ftp" the following KIP files from the <info-mac> directory on sumex-aim.stanford.edu machine. Use login name "anonymous" with FTP.

- at-kip.shar                    gateway and daemon source
- at-gw.srec                    latest gateway 'binary' in S-record hex format
- at-ddt.shar                   source for the network debugger.

The following information is from CAP distribution:

The CAP distribution is via anonymous FTP from cunixc.columbia.edu [128.59.32.130]. The directory is cap and the files in that directory

are:

- INFO is an information file
- README contains release notes
- MODIFICATIONS is a list of modifications from distribution 4 to 5
- cap.tar.Z is the distribution in tar format "compress"ed using "compress"
- shar/cap50.1shar is the first half of cap dist - shell archive
- shar/cap50.2shar is the second half of cap dist - shell archive

Article Change History:

27 Jun 1994 - Reviewed for technical accuracy.

Support Information Services

Copyright 1988-94, Apple Computer, Inc.

Keywords: supt

=====

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 3142