

Time	IP
IP	IP
IP	IP
SER	ERR

~ dbCardNo
 dbID ← local ID of datab
 recordNum ← index to go to

unique ID
 ← bytes in record
 to do
 match action

View Bluetooth code
 → setting up a network connection

basic steps (can use native interface or Berkeley Sockets) will use this

- Basic Steps
1. Set up socket
 (a) Get host address
 (b) Bundle host & port
 2. Open connection
 3. Send & receive data
 4. Close connection
 5. Tear down socket

6. Before can do any of above

need to set Socket Library

See code example

Err error = SysLibFind ("Net.lib", &NetRefNum, 4096)
 error = NetLibOpen (&NetRefNum, 0, 0, 0)

Explain network & connections in palm

Last Puy saw how to set up network library. This allowed us to get a connection from our ISP

Now would like to open a socket to some host name, say, `plane.mynetwork.org`;

need to convert to an IP address
~~ADD~~ 156.123.56.1

UINT32 To do this use

↳ `Net IPAddr address = 0;`

`Net IPAddr *addressP = NULL;`

`Net Host InfoBufType hostInfoBuf;`

`Net Host InfoBufPtr hostInfoBufP = &hostInfoBuf;`

`Net InfoPtr hostInfoP = NULL;`

mem set to 0

supports address in more than one format ~~stores~~ synonyms of host etc.

// call to retrieve host info

`hostInfoP = Net Lib Get Host By Name(
gNet Ref Num, hostName, hostInfoBufP,
1000, &error);`

timeout ticks

`addressP = (Net IPAddr*) hostInfoP->
addrListP[0];`

`address = Net NtoHL (addressP);`

↳ convert to correct endian format

used during backup process for storage