

New Class

- Bpatch_sourceObj
 - parent class for
 - image, module, procedure
 - common methods
 - getName()
 - getFullName()
 - getChildren() - next level down

Changes in Existing Classes

- File descriptor redirection
 - pass new file descriptors to program on startup)
 - three new parameters to createProcess
 - stdin, stdout, stderr
 - open issue: priority, ...
- dumpCore()
 - remove the second parameter for termination
- Include files:
 - Bpatch.h – should it supply the rest of the include files?

New Methods

- New Bpatch_procedureLocation
 - new types in enum: blocks, loops, statements
- Points
 - getIncPoints - inclusive points
 - getExpPoints –exclusive points
- Signals
 - catchSignal(sigset_t mask)
 - catch the signals in the mask
 - ignoreSignal(..) is this a duplicate?
- new callbacks:
 - breakpoint, signal, detachDone

Basic Blocks

- New Classes to manipulate
 - get entry, tail
 - get predecessors, targets
- Control Flow Graphs
- Will add to umd version as time permits

Design Issues

- return string pointer vs. buffer and length
 - getNNN(char *ptr, length)
 - user allocates/frees memory
 - length is max length of string
- closure parameter for callbacks
 - pass void * from registration to callback

IBM Specific Methods

- NP - non portable extension suffix names
- SetShmNP
 - IBM specific call for shared memory