- fork() - exec 1) - Wait() whild Sorkl) creates new process, copy of the calling process (parent) fork() returns pid of the newlycreated child, the child receives a return code of zero. waitl) - The process waits for the child process to finish of (an return early in case of-- WNOHANG option is used (non-blocking behavior) Interrupted by a signal (EINTR) Unita process changes state (stop) resume) with specific flags LIKE WUNTRACED OF NCONTINUED? Child process has already exited but its status has not been reaped

lzombie process)

exec/) - Runs the given executable
like "wc". By loading code / and static date)
basically transforming the current
running program into that.
Successful call to exec() nower
returns.

Motivating the API

Unix shell => fork() + run some code + exec change env.

prompt -> fork -> exec

txample

prompt> wc p3.c > newfile.txt

shell = fork

I close standard output and open file h exec

Works since in Unix system start looting for free file descriptors at Zero. In this case STDOUI_F/127NO will be the first available and thus get assigned when open() is called.

Unix lipes => pipel) system call
output of one process is used as
input to the next

Process (ontrol and Users

Signals to process => ctrl-c :SIGNT

ctrl-Z SIGSTP

Lastop

puising execution can be resumed later