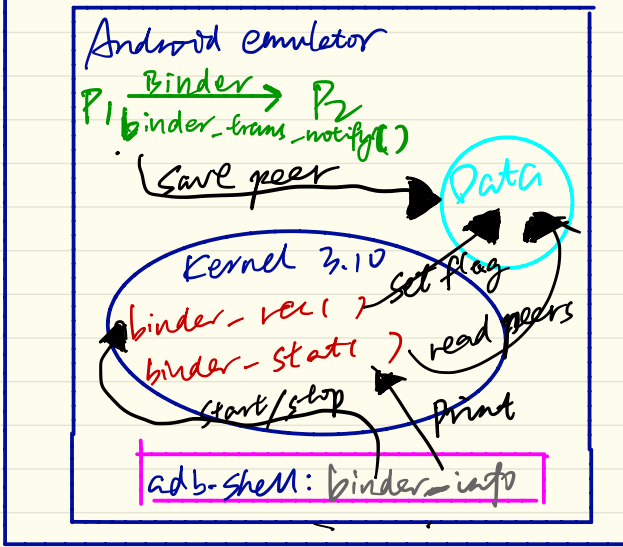


# OS HOMEWORK 2 DRAFT

VM Linux 64



Data.

```

struct binder_peer;
struct binder_stat;

```

```

List binder-list {
    pid_t pid;
    char comm[16];
    uint nr-trans(?);
    uint bytes;
    List peer-list;
};

```

```

List peer-list {
    binder-peer* peer;
};

```

① binder\_info (user/ - )

- start: binder\_rec(pid, 1);
- stop: binder\_rec(pid, 0);
- print: binder\_stat(pid, &stat, &buf, &size);

② binder\_rec ( )

- pid, 1: if no entry, init entry in binder-list for pid
- pid, 0: remove entry of pid from binder-list

③ binder\_start ( )

- pid, args: if no entry return 0; entry of pid in binder-list  
 ⇒ "comm, nr-trans, bytes", copy peers in peer-list

④ binder\_trans\_notify (kernel/ipc-rec.c)

- from-pid, to-pid, size: if no entry for f-pid return;  
 find entry of f-pid in binder-list, add to-pid to  
 peer-list if not exist, nr-trans++, byte += size.