一、首次设置（请一定要按照顺序执行）：

1. Clone code from hust server

git clone https://dssl.cun.io/pa/ics2018.git

2. Check whether rsa keypair (id\_rsa, id\_rsa.pub) exists in ~/.ssh/, if not:

ssh-keygen (Don't use customized file name, just press Enter to end)

3. Modify STUID and STUNAME in nemu/Makefile.git, then add and commit it. (Make sure you are in master branch)

git add -u

git commit -m 'updated id/name'

4. Setup your remote git backup and check the branch association:

make setup

git branch –avv (recommend to use this to check the branch status)

5. About report submit: we recommend to add the report pdf file to git(make sure you are in pax branch):

git add -f xxxx.pdf

git commit -m 'added report'

git push

make submit (enter pa0/pa1/... when encounting 'The task to be submitted >' )

6. push code to hustpa remote, just

7. Go ahead and have fun!

Any qeustions, feel free to contact me: 姚杰<jackyao@hust.edu.cn>, 13517261606

Reference:

1. PA Manual:

https://dssl.cun.io/pa/pa2018.pdf

2. Linux software hust mirror site:

http://mirror.hust.edu.cn

二、从hustpa恢复代码。新建一个目录执行以下步骤（请一定要按照顺序执行）：

1. Clone code from hust server

git clone https://dssl.cun.io/pa/ics2018.git

2. Modify STUID and STUNAME in nemu/Makefile.git (same as before), then add and commit it. (Make sure you are in master branch)

git add -u

git commit -m 'updated id/name'

4. recover from your remote git backup, then check the branch association:

make recover

5. checkout paX as you want

三、PA阶段切换：

Everytime you finish current stage and wanna go to the next PA stage, don't forget to do merge first. e.g when entering pa1 from pa0

git checkout pa1

git merge pa0

四、常见问题:

1. Make setup相关
   1. 公钥提交失败（没有返回{“status”: “OK”}字样 ）
      1. curl未安装： apt-get install curl
      2. nemu/Makefile.git中的学号与姓名修改（此步骤必须在master分支做，且本地提交之后才能make setup/make recover）
2. 环境变量NEMU\_HOME，AM\_HOME，NAVY\_HOME未设置

原始的环境变量设置在init.sh里，但从hust 克隆下来的代码库中由于子目录已经存在，故而init.sh中的环境变量设置代码未执行。新的<https://dssl.cun.io/pa/ics2018.git>中已经修正。对于已经实验进行中的同学有两种解决方法：

* 1. 手工设置，在~/.bashrc底部添加以下内容（对应绝对路径）

export NEMU\_HOME=/path/to/ics2018/nemu

export AM\_HOME=/path/to/ics2018/nexus-am

export NAVY\_HOME=/path/to/ics2018/navy-apps

然后执行 source ~/.bashrc

* 1. 将当前工作都push到hustpa，然后再从hustpa恢复代码。参见本文档