

Readme

❖ How to install the our enhanced MINIX

- First download our bootable MINIX which contain our new implemented IPC system calls which is provided along the zip file.
- Once you download the above bootable .iso file, it can be installed on to your virtual machine upon clicking File->New in VMware Fusion and add the above extracted .iso file of our new MINIX.
- Doing so it can be installed on the virtual machine upon clicking File->New in VMware Fusion and add the above extracted .iso file of our MINIX version.

This completes the installing and setting up Minix-3 on it.

❖ How to execute our test programs?

To test each of the test cases described below, open a new terminal (instance) for each step – for each test scenario described.

- Execute the test steps in the order.
- Close all the terminals only after completing the execution of test case.
- Open new terminals before starting execution of new test scenario – to avoid confusion and to ensure a clean execution output.

Folder path: **“/root/home/Ganesh/Project2/Tests/”**

- Test1.c // creates and calls get all the current.
- Tets2.c // case where publisher tries to publish without a subscriber.
- Test3.c // creates the topic then subscribe and then calls retrieve.
- Test4.c // create topic and register as publisher and subscribe and publish and retrieve.
- Test5.c // create a topic, register as a publisher and publish.
- Test6.c // create a topic, publish 5 message and retrieve all messages.

To manually test our system calls, you can use the below given program at the given location:

Folder path: **“/root/home/Ganesh/Project2/systemcalltest.c”** which is already compiled and thus can be run through **“./systemcaltest”** in the same directly.