## 一、kvm虚拟机安装

qemu命令默认使用的模拟器很慢，建议使用kvm或qemu-system-x86\_64命令

安装包：sudo apt-get install qemu-kvm

启动示例命令：kvm -m 512 -hda ~/disk10g.img -cdrom ../myming-1.0-i386.iso

其中-hda参数后跟随的是硬盘镜像文件，可通过qemu-img create -f raw disk.img 8G 命令创建

-cdrom后跟的参数是要加载的光盘

-m 是设定内存大小。

## 二、Mint重装后需要安装的程序

sudo apt-get install vim

sudo apt-get install ssh

sudo apt-get install debhelper build-essential

sudo apt-get install git gitg

sudo apt-get install ibus

与包管理相关

Sudo apt-get install squashfs-tools

sudo apt-get install dpkg-dev debhelper dh-make build-essential

sudo apt-get install qemu-kvm

sudo apt-get install apt-rdepends

## 三、Git服务器

Git服务器已经正式搭建完成，请大家Clone项目仓库至本机并在Readme文档上签名。

在克隆前请大家更改git全局user 和 email，方式如下：

git config --global user.name "Your Name"

git config --global user.email "Your Email"

项目仓库克隆地址 : git@192.168.162.142:project.git

克隆后请在Readme文档中签名并提交以便测试。

## 四、buildlog邮件自动通知

搭建了一个每天自动向各位邮箱中发送编译日志的邮件群发系统，用的是mutt+msmtp的组合。其中申请了一个公共的163邮箱作为发送账号（这样的话不会被邮件服务器当做垃圾邮件过滤掉），不出意外的话每天凌晨0点45分左右会自动发送buildlog。

公共邮箱账号：cos\_desktop@163.com

密码：iscasztb

在shell中发送邮件的格式如下：

cat aaa.txt | mutt -s "主题名" bbb@iscas.ac.cn -a ccc.file

其中，aaa.txt 是邮件正文内容，bbb@iscas.ac.cn是收件方地址，ccc.file是邮件附件（要是没有可以不加）

## 四、Mint下安装deepin风格界面

$ sudo sh -c 'echo "deb http://packages.linuxdeepin.com/deepin raring main non-free universe" >> /etc/apt/sources.list'

$ sudo sh -c 'echo "deb-src http://packages.linuxdeepin.com/deepin raring main non-free universe" >> /etc/apt/sources.list'

$ sudo wget http://packages.linuxdeepin.com/deepin/project/deepin-keyring.gpg

$ sudo gpg --import deepin-keyring.gpg

$ sudo gpg --export --armor 209088E7 | sudo apt-key add -

$ sudo apt-get update

$ sudo apt-get install dde-meta-core

## 四、使用原有配置文件重新编译内核过程

sudo apt-get install build-essential kernel-package libncurses5-dev fakeroot wget bzip2

export CONCURRENCY\_LEVEL=2

export CHOST="x86-pc-Linux-gnu"

export CFLAGS="-march=native -O2 -pipe"

export CXXFLAGS="$CFLAGS"

mkdir kernel-build

cd kernel-build

下载源码，解压缩

cd linux-3.8.7

cp /boot/config-`uname -r` ./.config

make oldconfig

fakeroot make-kpkg --initrd --append-to-version=-mint-15-new kernel\_image kernel\_headers

cd ..

sudo dpkg -i linux-image-\*.deb

sudo dpkg -i linux-headers-\*.deb

sudo update-grub

五、deepin桌面管理器

mint@mint ~/Desktop $ sudo apt-get install dde-meta-core  
Reading package lists... Done  
Building dependency tree         
Reading state information... Done  
The following extra packages will be installed:  
  bamfdaemon compiz deepin-artwork deepin-default-wallpapers  
  deepin-desktop-environment deepin-desktop-environment-common  
  deepin-desktop-environment-desktop deepin-desktop-environment-dock  
  deepin-desktop-environment-launcher  
  deepin-desktop-environment-lightdm-greeter deepin-desktop-environment-lock  
  deepin-desktop-environment-plugins  
  deepin-desktop-environment-plugins-audio-helper  
  deepin-desktop-environment-plugins-clock  
  deepin-desktop-environment-plugins-weather deepin-extra-wallpapers  
  deepin-gtk-theme deepin-icon-theme deepin-notifications deepin-session  
  deepin-session-fastup deepin-system-settings  
  deepin-system-settings-module-a11y deepin-system-settings-module-account  
  deepin-system-settings-module-all  
  deepin-system-settings-module-application-associate  
  deepin-system-settings-module-bluetooth  
  deepin-system-settings-module-date-time  
  deepin-system-settings-module-desktop deepin-system-settings-module-display  
  deepin-system-settings-module-driver  
  deepin-system-settings-module-individuation  
  deepin-system-settings-module-keyboard  
  deepin-system-settings-module-mount-media  
  deepin-system-settings-module-mouse deepin-system-settings-module-network  
  deepin-system-settings-module-power deepin-system-settings-module-printer  
  deepin-system-settings-module-sound  
  deepin-system-settings-module-system-information  
  deepin-system-settings-module-touchpad  
  deepin-system-settings-module-tray-power deepin-system-tray deepin-ui  
  deepin-xsession-settings faenza-icon-theme g++ g++-4.7 gir1.2-unity-5.0  
  gnome-control-center gnome-control-center-data gnome-desktop3-data  
  gnome-session gnome-session-bin gnome-session-common indicator-datetime  
  indicator-power indicator-session indicator-sound libbamf3-1  
  libdeepin-webkit-3.0-0 libdtk-widget libexpat1-dev libgail-3-0 libgfortran3  
  libglib2.0-0 libglib2.0-bin libglibmm-2.4-1c2a libgnome-control-center1  
  libgnome-desktop-3-7 libgtk-3-0 libgtk-3-bin libgtk-3-common libharfbuzz0a  
  liblapack3 liblightdm-gobject-1-0 liblunar-calendar liblunar-date  
  libnux-4.0-common libopts25 libpango-1.0-0 libpango1.0-0 libpangocairo-1.0-0  
  libpangoft2-1.0-0 libpangox-1.0-0 libpangoxft-1.0-0 libplymouth2  
  libpython-dev libpython2.7-dev libstdc++6-4.7-dev libunity-webapps0 lightdm  
  lightdm-remote-session-freerdp nautilus nautilus-data network-manager-l2tp  
  network-manager-l2tp-gnome ntp openswan plymouth plymouth-label  
  python-deepin-gsettings python-deepin-lunar python-deepin-pulseaudio  
  python-deepin-utils python-deepin-xrandr python-dev python-gevent  
  python-greenlet python-gtop python-gudev python-keyring python-libdtk-widget  
  python-numpy python-psutil python-pystorm python-scipy python-tz  
  python-xklavier python-xlib python-zeitgeist python2.7-dev ttf-xhei-fonts  
  unity-common unity-greeter unity-webapps-service xautomation xl2tpd  
  zeitgeist-core  
Suggested packages:  
  grub2-theme-deepin g++-multilib g++-4.7-multilib gcc-4.7-doc  
  libstdc++6-4.7-dbg gnome-screensaver xscreensaver gnome-user-guide  
  ubuntu-docs desktop-base gnome-session-fallback ttf-baekmuk  
  ttf-arphic-gbsn00lp ttf-arphic-bsmi00lp ttf-arphic-gkai00mp  
  ttf-arphic-bkai00mp libstdc++6-4.7-doc apparmor gnome-sushi ntp-doc  
  openswan-modules-source openswan-modules-dkms openswan-doc curl  
  python-gevent-doc python-gevent-dbg python-greenlet-doc python-greenlet-dev  
  python-greenlet-dbg python-numpy-doc python-numpy-dbg python-nose gfortran  
  zeitgeist-datahub  
Recommended packages:  
  unity gnome-shell lightdm-remote-session-uccsconfigure  
The following packages will be REMOVED:  
  account-plugin-generic-oauth libdecoration0 libharfbuzz0  
The following NEW packages will be installed:  
  bamfdaemon compiz dde-meta-core deepin-artwork deepin-default-wallpapers  
  deepin-desktop-environment deepin-desktop-environment-common  
  deepin-desktop-environment-desktop deepin-desktop-environment-dock  
  deepin-desktop-environment-launcher  
  deepin-desktop-environment-lightdm-greeter deepin-desktop-environment-lock  
  deepin-desktop-environment-plugins  
  deepin-desktop-environment-plugins-audio-helper  
  deepin-desktop-environment-plugins-clock  
  deepin-desktop-environment-plugins-weather deepin-extra-wallpapers  
  deepin-gtk-theme deepin-icon-theme deepin-notifications deepin-session  
  deepin-session-fastup deepin-system-settings  
  deepin-system-settings-module-a11y deepin-system-settings-module-account  
  deepin-system-settings-module-all  
  deepin-system-settings-module-application-associate  
  deepin-system-settings-module-bluetooth  
  deepin-system-settings-module-date-time  
  deepin-system-settings-module-desktop deepin-system-settings-module-display  
  deepin-system-settings-module-driver  
  deepin-system-settings-module-individuation  
  deepin-system-settings-module-keyboard  
  deepin-system-settings-module-mount-media  
  deepin-system-settings-module-mouse deepin-system-settings-module-network  
  deepin-system-settings-module-power deepin-system-settings-module-printer  
  deepin-system-settings-module-sound  
  deepin-system-settings-module-system-information  
  deepin-system-settings-module-touchpad  
  deepin-system-settings-module-tray-power deepin-system-tray deepin-ui  
  deepin-xsession-settings faenza-icon-theme g++ g++-4.7 gir1.2-unity-5.0  
  gnome-control-center gnome-control-center-data gnome-session  
  indicator-datetime indicator-power indicator-session indicator-sound  
  libbamf3-1 libdeepin-webkit-3.0-0 libdtk-widget libexpat1-dev libgfortran3  
  libgnome-control-center1 libgnome-desktop-3-7 libharfbuzz0a liblapack3  
  liblightdm-gobject-1-0 liblunar-calendar liblunar-date libopts25  
  libpango-1.0-0 libpangocairo-1.0-0 libpangoft2-1.0-0 libpangox-1.0-0  
  libpangoxft-1.0-0 libpython-dev libpython2.7-dev libstdc++6-4.7-dev  
  libunity-webapps0 lightdm lightdm-remote-session-freerdp nautilus  
  network-manager-l2tp network-manager-l2tp-gnome ntp openswan  
  python-deepin-gsettings python-deepin-lunar python-deepin-pulseaudio  
  python-deepin-utils python-deepin-xrandr python-dev python-gevent  
  python-greenlet python-gtop python-gudev python-keyring python-libdtk-widget  
  python-numpy python-psutil python-pystorm python-scipy python-tz  
  python-xklavier python-xlib python-zeitgeist python2.7-dev ttf-xhei-fonts  
  unity-common unity-greeter unity-webapps-service xautomation xl2tpd  
  zeitgeist-core  
The following packages will be upgraded:  
  gnome-desktop3-data gnome-session-bin gnome-session-common libgail-3-0  
  libglib2.0-0 libglib2.0-bin libglibmm-2.4-1c2a libgtk-3-0 libgtk-3-bin  
  libgtk-3-common libnux-4.0-common libpango1.0-0 libplymouth2 nautilus-data  
  plymouth plymouth-label  
16 upgraded, 114 newly installed, 3 to remove and 367 not upgraded.  
Need to get 234 MB of archives.  
After this operation, 465 MB of additional disk space will be used.  
Do you want to continue [Y/n]? y

六、apt-get update

xifei@xifei-VirtualBox ~ $ sudo apt-get update

Get:1 http://packages.linuxdeepin.com raring Release.gpg [490 B]

Get:2 http://packages.linuxdeepin.com raring Release [9,237 B]

Get:3 http://packages.linuxdeepin.com raring/main Sources [129 kB]

Get:4 http://packages.linuxmint.com olivia Release.gpg [197 B]

Get:5 http://packages.linuxdeepin.com raring/non-free Sources [6,344 B]

Get:6 http://packages.linuxdeepin.com raring/universe Sources [12.6 kB]

Get:7 http://packages.linuxdeepin.com raring/main i386 Packages [275 kB]

Get:8 http://packages.linuxmint.com olivia Release [17.7 kB]

Hit http://archive.ubuntu.com raring Release.gpg

Hit http://security.ubuntu.com raring-security Release.gpg

Hit http://archive.canonical.com raring Release.gpg

Get:9 http://packages.linuxdeepin.com raring/non-free i386 Packages [8,382 B]

Get:10 http://packages.linuxdeepin.com raring/universe i386 Packages [22.7 kB]

Get:11 http://archive.ubuntu.com raring-updates Release.gpg [933 B]

Hit http://security.ubuntu.com raring-security Release

Hit http://archive.canonical.com raring Release

Get:12 http://packages.linuxmint.com olivia/main i386 Packages [23.5 kB]

Hit http://archive.ubuntu.com raring Release

Hit http://security.ubuntu.com raring-security/main i386 Packages

Hit http://archive.canonical.com raring/partner i386 Packages

Ign http://packages.linuxdeepin.com raring/main Translation-en\_US

Ign http://packages.linuxdeepin.com raring/main Translation-en

Ign http://packages.linuxdeepin.com raring/non-free Translation-en\_US

Ign http://packages.linuxdeepin.com raring/non-free Translation-en

Ign http://packages.linuxdeepin.com raring/universe Translation-en\_US

Get:13 http://archive.ubuntu.com raring-updates Release [40.8 kB]

Ign http://packages.linuxdeepin.com raring/universe Translation-en

Hit http://security.ubuntu.com raring-security/restricted i386 Packages

Get:14 http://packages.linuxmint.com olivia/upstream i386 Packages [9,237 B]

Get:15 http://packages.linuxmint.com olivia/import i386 Packages [39.9 kB]

Hit http://security.ubuntu.com raring-security/universe i386 Packages

Hit http://security.ubuntu.com raring-security/multiverse i386 Packages

Hit http://archive.ubuntu.com raring/main i386 Packages

Hit http://archive.ubuntu.com raring/restricted i386 Packages

Hit http://security.ubuntu.com raring-security/main Translation-en

Hit http://archive.ubuntu.com raring/universe i386 Packages

Hit http://archive.ubuntu.com raring/multiverse i386 Packages

Hit http://security.ubuntu.com raring-security/multiverse Translation-en

Hit http://archive.ubuntu.com raring/main Translation-en

Hit http://security.ubuntu.com raring-security/restricted Translation-en

Ign http://archive.canonical.com raring/partner Translation-en\_US

Ign http://archive.canonical.com raring/partner Translation-en

Hit http://archive.ubuntu.com raring/multiverse Translation-en

Hit http://security.ubuntu.com raring-security/universe Translation-en

Hit http://archive.ubuntu.com raring/restricted Translation-en

Hit http://archive.ubuntu.com raring/universe Translation-en

Get:16 http://archive.ubuntu.com raring-updates/main i386 Packages [162 kB]

Get:17 http://archive.ubuntu.com raring-updates/restricted i386 Packages [14 B]

Ign http://packages.linuxmint.com olivia/import Translation-en\_US

Get:18 http://archive.ubuntu.com raring-updates/universe i386 Packages [144 kB]

Ign http://packages.linuxmint.com olivia/import Translation-en

Ign http://packages.linuxmint.com olivia/main Translation-en\_US

Ign http://security.ubuntu.com raring-security/main Translation-en\_US

Ign http://packages.linuxmint.com olivia/main Translation-en

Ign http://packages.linuxmint.com olivia/upstream Translation-en\_US

Ign http://security.ubuntu.com raring-security/multiverse Translation-en\_US

Get:19 http://archive.ubuntu.com raring-updates/multiverse i386 Packages [3,871 B]

Ign http://packages.linuxmint.com olivia/upstream Translation-en

Ign http://security.ubuntu.com raring-security/restricted Translation-en\_US

Ign http://security.ubuntu.com raring-security/universe Translation-en\_US

Hit http://archive.ubuntu.com raring-updates/main Translation-en

Hit http://archive.ubuntu.com raring-updates/multiverse Translation-en

Hit http://archive.ubuntu.com raring-updates/restricted Translation-en

Hit http://archive.ubuntu.com raring-updates/universe Translation-en

Ign http://archive.ubuntu.com raring/main Translation-en\_US

Ign http://archive.ubuntu.com raring/multiverse Translation-en\_US

Ign http://archive.ubuntu.com raring/restricted Translation-en\_US

Ign http://archive.ubuntu.com raring/universe Translation-en\_US

Ign http://archive.ubuntu.com raring-updates/main Translation-en\_US

Ign http://archive.ubuntu.com raring-updates/multiverse Translation-en\_US

Ign http://archive.ubuntu.com raring-updates/restricted Translation-en\_US

Ign http://archive.ubuntu.com raring-updates/universe Translation-en\_US

Fetched 906 kB in 22s (40.2 kB/s)

Reading package lists... Done