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| McAfee |
| ISC Image Build Guide |
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# Install MLOS toolchain

In any Ubuntu based linux OS, run the following file to setup the mlos toolchain

bin/create-mlos

To change to MLOS tool chain use

schroot -c mlos2

Build.xml in serverBOM folder only runs make. Make is used to create the images.

yum is on mlos2

# Make Files

## Mount.mk

Expands tar file in swap partition to data partition and change root

## Packages.mk

Uses the packages files to determine the packages to install on the ISC image.

mlos1.package -base linux

mlos2.package - other linux stuff

centos-package - for graphviz stuff

### Freezing the Version

To freeze the versions before we release ISC you have a script which you can run which will lock down the version.

1. Go serverBOM folder
2. Change root to MLOS toolchain

schroot –c mlos2

1. Run the following command

Python bin/freezeversions.py

1. The above command should generate 3 files with .freeze extension.
2. Replace the package files with the freeze files
3. exit mlos
4. checkin the files

## Install.mk

Use post-install script for customization

ISC Disk Format

/1Gb Boot

/4G Swap – Contains compressed tar file which contains the file system

/root – tar file gets expanded here

dd to create images

Losetup to mount image as a device /dev/loop0

Kpartx scans device to find a partition table and mounts partitions as /dev/mapper/loop0p1 etc

We run mkfs on loop0p1 only to create a filesystem

Schroot –c mlos2

grub config - serverBOM\src\boot\grub

Init script runs this script serverBOM\root\usr\local\share\initrd\etc