Sun City Summerlin Computer Club
Linux SIG - Apr 22 2009

Managing music

- **Playing music**
  - Navigate to the Music folder and double-click a track to play it

- **Converting audio tracks to MP3**
  - Install the *Sound Converter* application
  - Click on: *Applications -> Add/Remove*
  - Click on *Sound & Video*
  - Scroll down to *Sound Converter* and check it
  - Click on *Apply Changes*
  - After the *Sound Converter* application is installed, configure it to convert to MP3 format
  - *Edit -> Preferences -> Format*
  - Output Format: *CD Quality, MP3* (*.mp3 type*)

- **Importing audio from CD (ripping)**
  - Select the *Audio CD Extractor* (*Sound Juicer)* application
  - The default format is Ogg-Vorbis (.ogg or .oga)
  - If you don't need MP3 this is fine for listening and burning
  - Click on Edit -> Preferences ->
    - Output Format: CD Quality, MP3 (.mp3 type)
  - Check the tracks to extract
  - Click on *Extract*
  - The default is the save the tracks in your *home folder* under *Music*

- **Writing audio tracks to CD**
  - *Applications -> Sound & Video*
  - Select *K3b* (If it isn't there, install it using the *Synaptic Package Manager*)

- Click on *New Audio CD Project*

- Navigate to the Music folder and select the track(s) to burn

- Rearrange the tracks, if desired

- Click on *Project -> Burn*

- K3b will convert the tracks to *Audio Interchange File Format* (*.aif* or *.aiff*) which should be compatible with most if not all CD players.

Printing from VirtualBox
- **Definitions:**
    - Host OS: (operating system) the OS that the computer is booted from.
    - Guest OS: (operating system) the OS that is running under VirtualBox.
- A VirtualBox *guest* does not always see a printer that is connected to the *Host*.
- The work-around is to put the guest on the same network as the host and access the printer as a network share.
- The VirtualBox default is the use NAT (network address translation) for the guest.
- Typically, the host is on the 192.168. network and the guest is on the 10.0. network.
- Start VirtualBox.
- Before starting the guest OS, select it and click on:

    Settings -> Network
- On the *Attached to:* drop-down select *Host Interface.*
- When the Guest OS starts up it will be on the same network (192.168.) as the Host OS.

- **Configuration:**
    - **On the Host OS**
        - Set the printer to shared and note the name of the printer i.e.

            HP-LaserJet-1200.
        - If the Host OS uses DHCP to obtain its IP address, the address is subject to change each time the Host OS is started. This will require reinstalling the printer on the Guest OS each time the Host OS IP address changes.

- To work-around this we need to assign a permanent IP address to the Host OS.
- In the Guest OS network configuration assign a fixed IP address where the first three numbers are the same as the router's configuration.
- The fourth number must be selected outside of the router's DHCP range and must not be 0, 1, or 255.
- Note the Host OS's new IP address.

- **On the Guest OS**
  - Install a printer (and driver) using the IP address of the Host OS and the name of the printer.
  - If the Host OS is Windows, the printer address will be something like:

    \\Host IP address\Printer name
  - This procedure will vary depending upon the Host OS.