

# LINUX COMPUTER BUILD

(ORF Project 2012)



## INSPIRATION

The kids brought me back Jen's old Dell computer  
instead of reloading XP again I decided try a UBUNTU\live load on it

### [UBUNTU DOWNLOAD](#)

I downloaded the package. You have to be able to burn an ISO image on CD: user your  
CDBurnerXP package for that ( the same one you have for making audio CDs ) .

It allowed me to install a dual-boot. this allowed me to bring UBUNTU up as an alternate  
boot and thus recover data files fom the wrecked XP system

learning the Ubuntu\GUI requires a bit of persistence. But: I'm finding everything  
needed...

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why jump ship ?

well, if you must, you can [study the Gory Details HERE](#)

Security was built into UNIX while Windows was built to be malleable. Thank goodness Linus Torvalds adapted UNIX into LINUX thus creating an O/S suitable for home computing. Windows 7 is MUCH better than XP but still retains the systemic problem related to Remote Procedure Calls (RPC) and the related dis-use of RING1 and RING2 in the x86 chipset: No "userland" in windows so the process called by a RPC does not inherit the authority of the logged on user. Worse, the Hardware Abstraction Layer (HAL) in Windows does not use the x86 storage protection services; only the virtual memory management (reference [ROOTKIT ARSENAL](#)) This is a disaster that Windows cannot overcome.

## Next Steps

System Building

Let's [start at the beginning](#) Select a motherboard

we will need a shopping list of additional components, including

- CPU chipset
- cooling fans
- power supply
- case
- hard drive(s)

I would like very much to build in RAID-1 (mirrored DASD) using 2 identical hard drives ...

more as this develops