

MGT 415H5 S

Electronic Commerce

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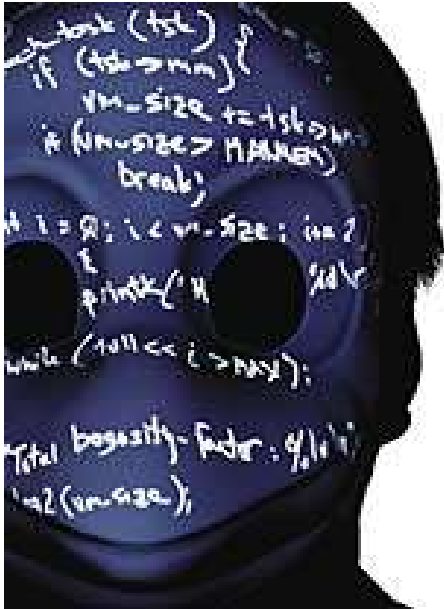
Week#2 – Architecture
Linux & Open Source

Agenda

- ◆ Brief History
- ◆ Issues
- ◆ New Business Model(s)

Linux – A Brief History

Origin



- ◆ Who
 - ◆ Linus Torvalds
- ◆ When
 - ◆ began work on Linux in 1991
- ◆ Where
 - ◆ Norway
- ◆ Why
 - ◆ "He is a great leader, which he may not even realize."

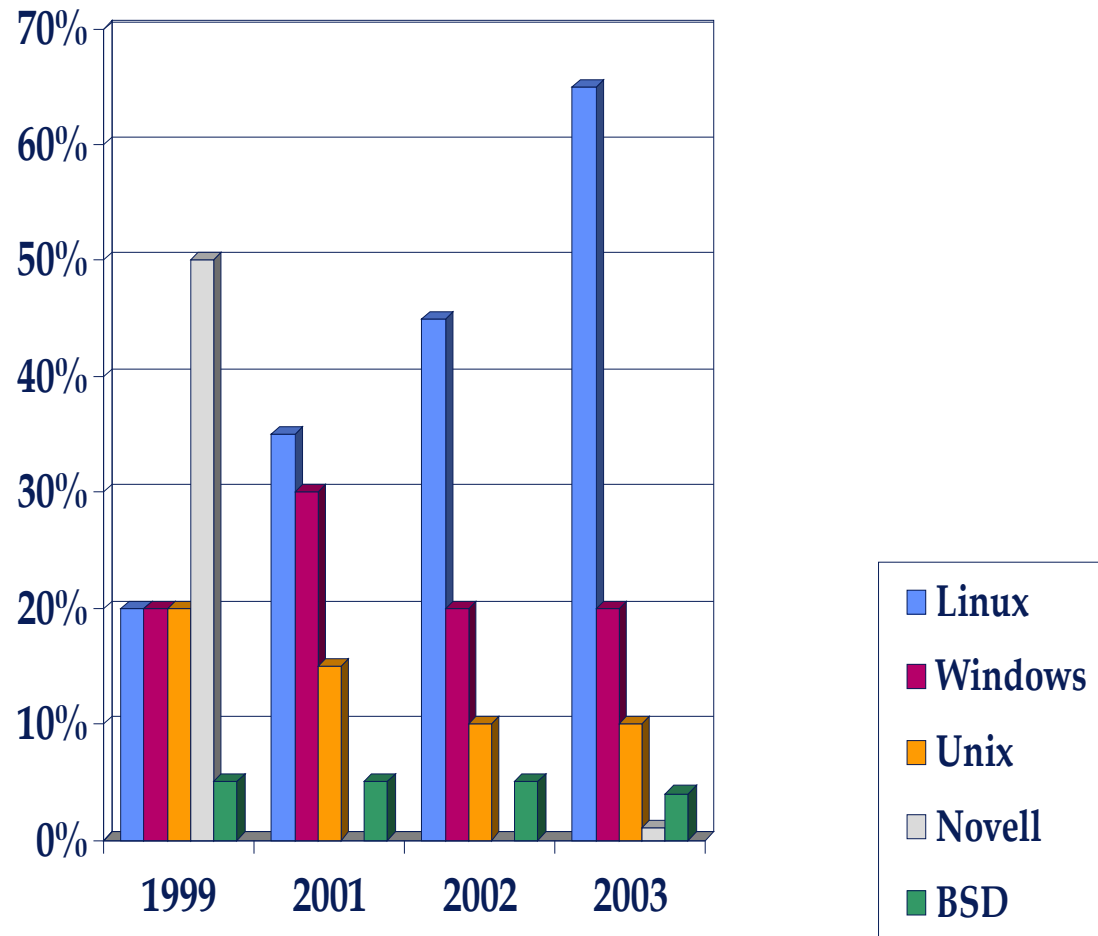
It's Free



- ▶ Server OS
 - ◆ Windows:
 - ◆ 10-users: \$981
 - ◆ Red-Hat Linux
 - ◆ unlimited: \$0
 - ◆ \$50 for a CD-ROM

- ▶ e-Mail server OS
 - ◆ Exchange: \$523
 - ◆ Sendmail: \$0

Today



◆ Most Internet servers

◆ Apache Processors

◆ Linux OS

◆ e-Commerce

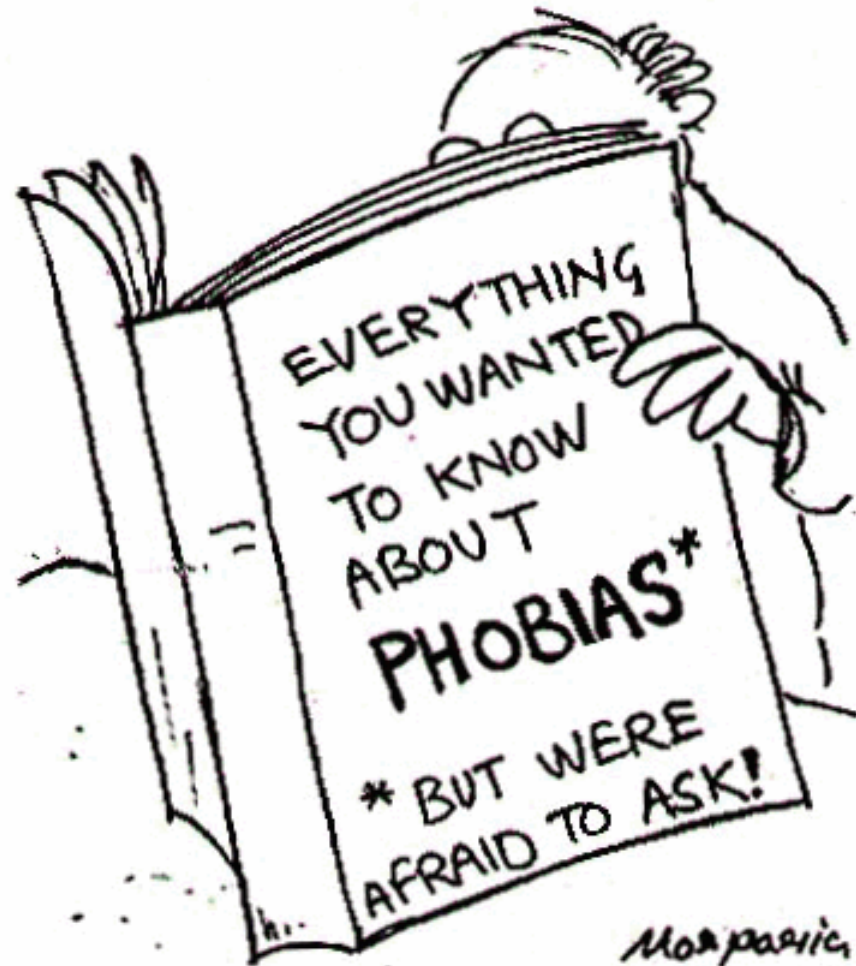
◆ Means Linux

Corporate Support



- ◆ HP
 - ◆ Funding research
 - ◆ Autonomic systems
- ◆ IBM
 - ◆ Funding research
 - ◆ Autonomic systems
 - ◆ "We see Linux moving into the mainstream in terms of customer acceptance"

Issues



Who Pays for the Work?



- ◆ Vendor OS
 - ◆ Charges customers
 - ◆ Software
 - ◆ Support
 - ◆ Pays
 - ◆ R&D
 - ◆ Developers
 - ◆ Marketing
 - ◆ Conventions
- ◆ Open Source
 - ◆ How do you make money?
 - ◆ Who pays developers?
 - ◆ Who installs?
 - ◆ Who supports?
 - ◆ Who promotes?

Versions



arch.png



debian.png



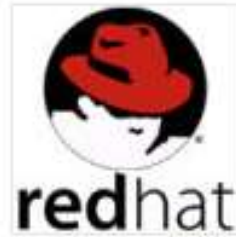
fedora.png



gentoo.png



mandrake.png



redhat.png



slackware.png



suse.png



yellowdog.png

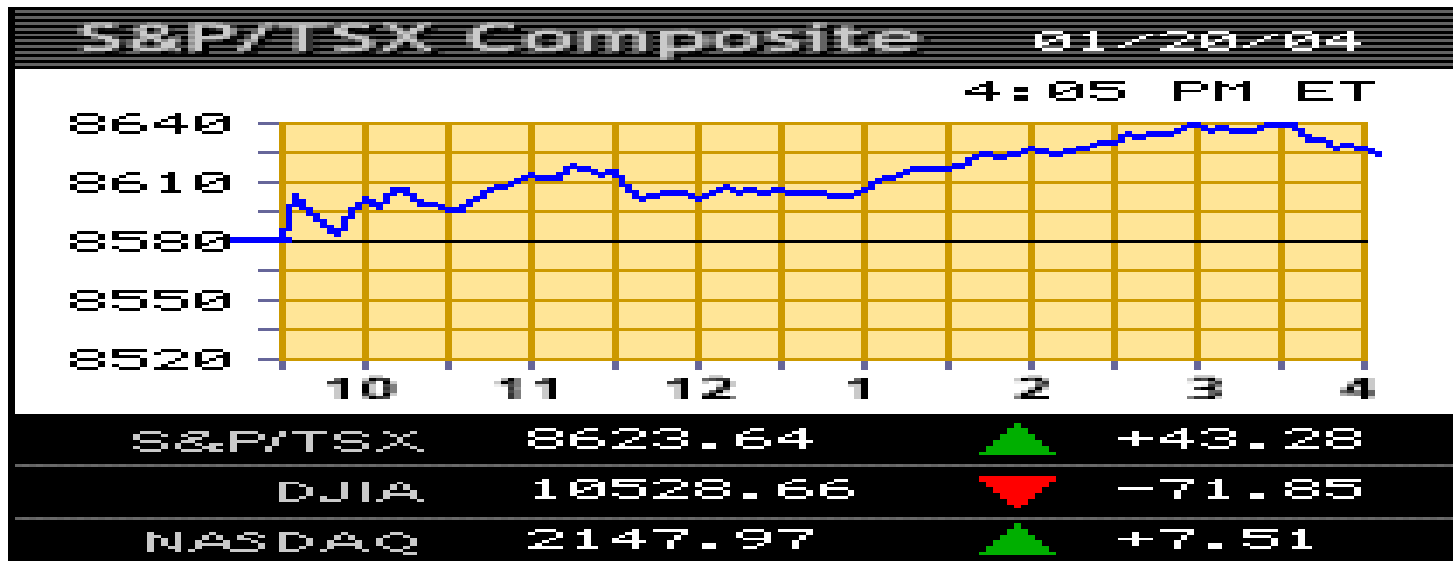
- ◆ Versions
 - ◆ Short list.....
 - ◆ Addressing business area
 - ◆ Controlled by....
- ◆ Which one to choose?

Any other issues?

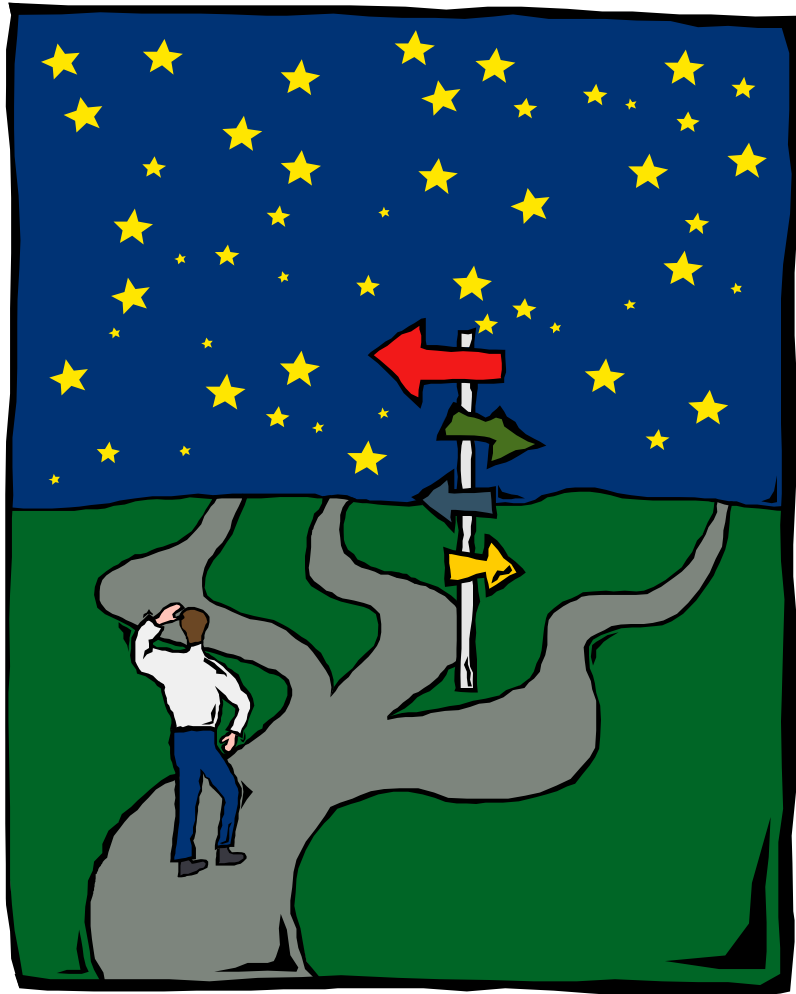


- ◆ Eg
 - ◆ Lack of confidence by business/IT mgmt???
 - ◆ SCO lawsuit

New Business Model

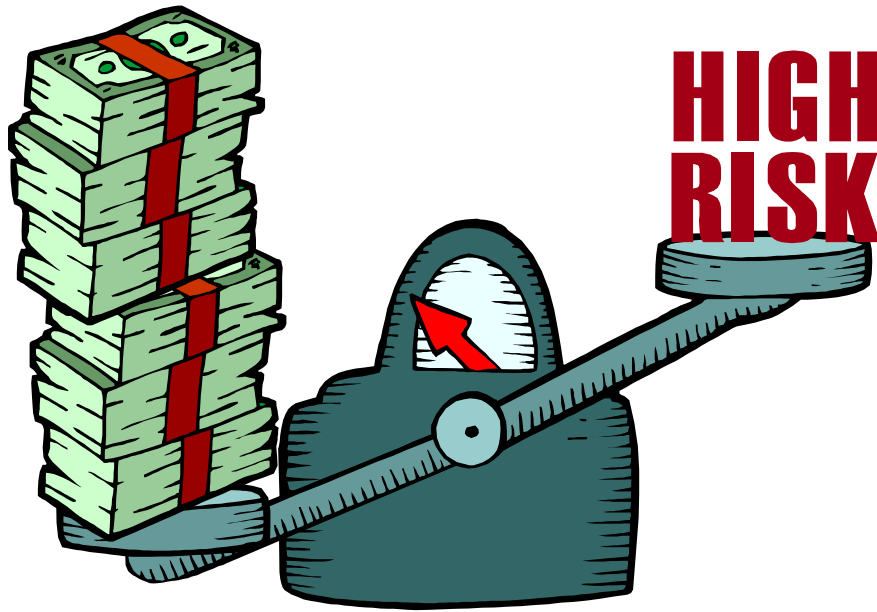


Model.....



- ◆ Just the one?
- ◆ Or multiples?

Managing the Risk - Vendor



- ◆ Plus
 - ◆ Ready access to developers
- ◆ Minus
 - ◆ No lock on the source

Managing the Risk - Business

- ◆ Migration
- ◆ Skills



Canadian Companies Today



- ◆ Canadian National Railway
- ◆ Marks Work Warehouse
- ◆ IDC Canada
 - ◆ "Linux has a long way to go, but it's growth has been dramatic"

Other Companies Today

- ◆ Amazon.com
- ◆ Oracle
- ◆ Google
 - ◆ doubling the size of its server farm--to 8,000 systems--in the past 10 months



Governments Today



- ◆ Europe
 - ◆ 14,000 in Munich
- ◆ Canada
 - ◆ 30,000 LindowsOS
- hina
 - ◆ "millions"
- ◆ Brazil
 - ◆ uncountable number

Future

- ◆ Asianux
 - ◆ **Chinese, Japanese software houses announce Linux venture to challenge Microsoft**

MIRACLE LINUX CORPORATION
deals with development
and sales of Linux OS.....



Linux Community Working On

- ◆ More acceptance
 - ◆ Ease of Install
 - ◆ Ease of Use
- ◆ Features
 - ◆ Security
 - ◆ Desktop



Thank You – Any Questions?



- ◆ Don't BASH me!
- ◆ I do not wear a red hat
- ◆ Few Perls of wisdom
- ◆ No yacking yet