

Introduction to Linux

Module 1

Overview

•In this module:

- Beginnings
- Open Source
- Linux & GNU
- Linux Distributions
- System Architecture
- Graphical User Interfaces

Beginnings

- GNU Project
- Started in 1984 by Richard Stallman to create 'free' Unix clone
- Linux kernel
- Created by Finnish college student Linus Torvalds in 1991



Free Software

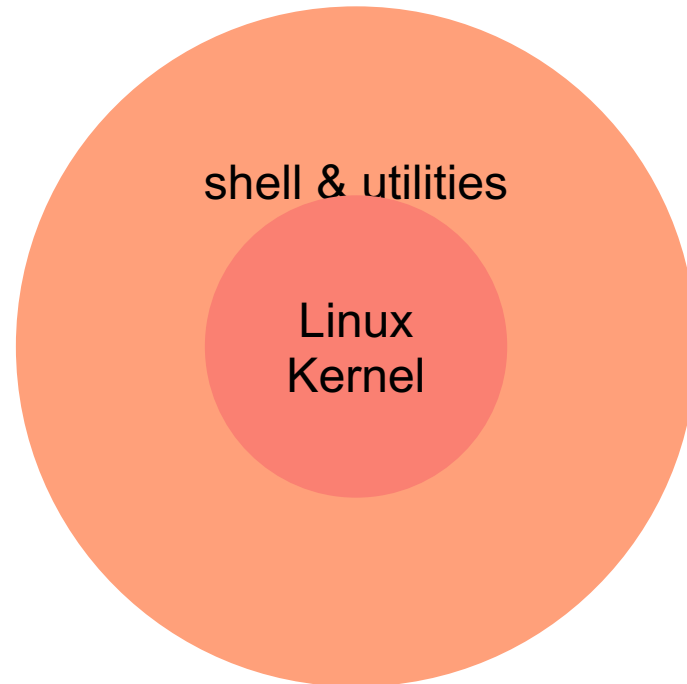
- Much more than 'cost-free':
- free to use
- free to examine
- free to redistribute
- free to modify

Why Linux?

- Benefits
- Reliability
- Flexibility
- Scalability
- Security
- Price

The Linux Architecture

- Complete operating system:
- GNU shell & utilities, plus
- Linux Kernel



Linux Distributions

- Distribution or 'distro':
- a pre-packaged system
- Broadly two variants:
- Debian-based
- Red Hat-based



debian



redhat®

Graphical User Interfaces

- Two common variants:

- Gnome

- KDE

