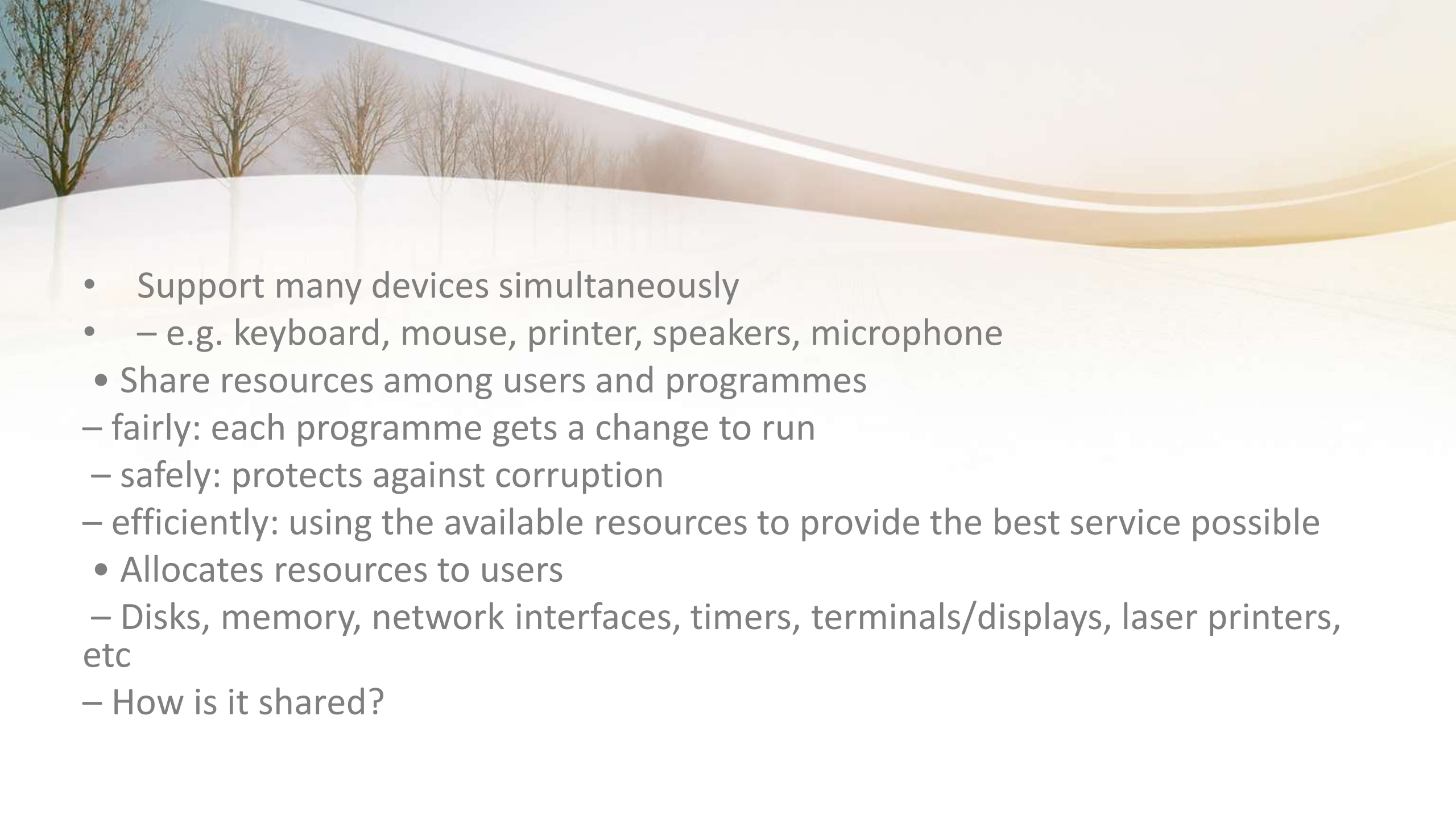
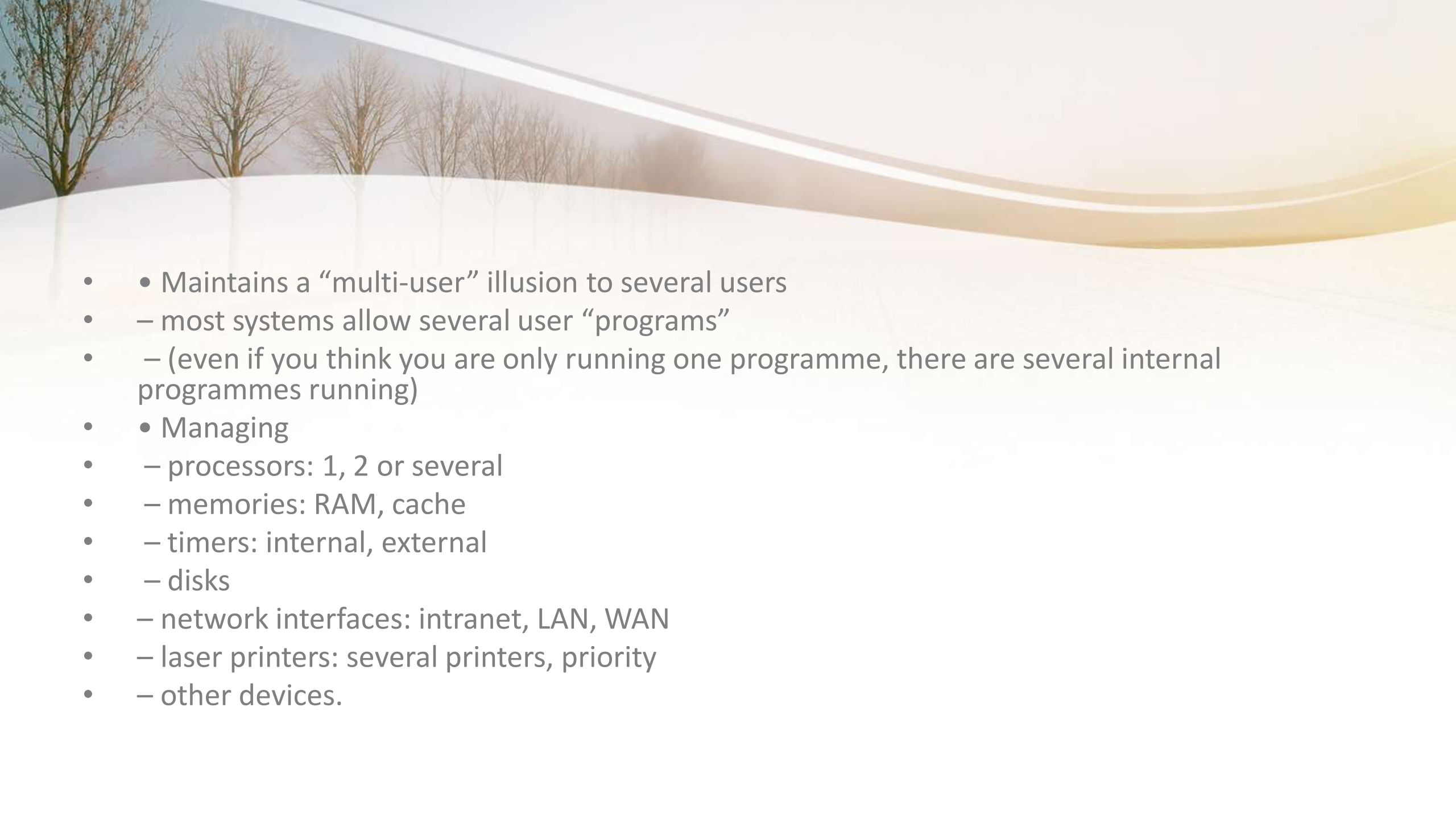


# OS as Resource Manager:-



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- Support many devices simultaneously
    - – e.g. keyboard, mouse, printer, speakers, microphone
  - Share resources among users and programmes
    - fairly: each programme gets a change to run
    - safely: protects against corruption
    - efficiently: using the available resources to provide the best service possible
      - Allocates resources to users
        - Disks, memory, network interfaces, timers, terminals/displays, laser printers, etc
      - How is it shared?

- 
- • Maintains a “multi-user” illusion to several users
  - – most systems allow several user “programs”
  - – (even if you think you are only running one programme, there are several internal programmes running)
  - • Managing
  - – processors: 1, 2 or several
  - – memories: RAM, cache
  - – timers: internal, external
  - – disks
  - – network interfaces: intranet, LAN, WAN
  - – laser printers: several printers, priority
  - – other devices.

