

Network Communications Technology

Chapter 21 Network Operating Systems (NOS)

MS DOS and the BIOS

- Basic Input/Output System
 - Firmware in ROM
 - HW initialize and test
 - Hardware control routines
 - Establish a low-level API
 - Bootstrap
- MS DOS
 - Written for IBM (PC-DOS)
 - Establishes a higher-level API for application programs

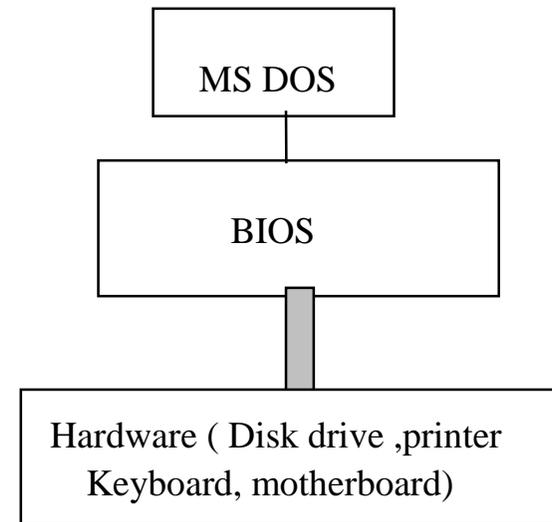


Figure 21.1

NetBIOS and NOS

Firmware on the NIC

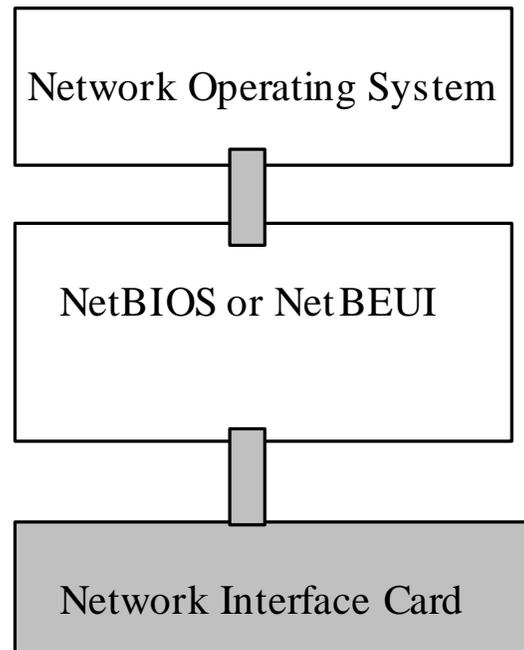


Figure 21.2

Windows NT Communication Model

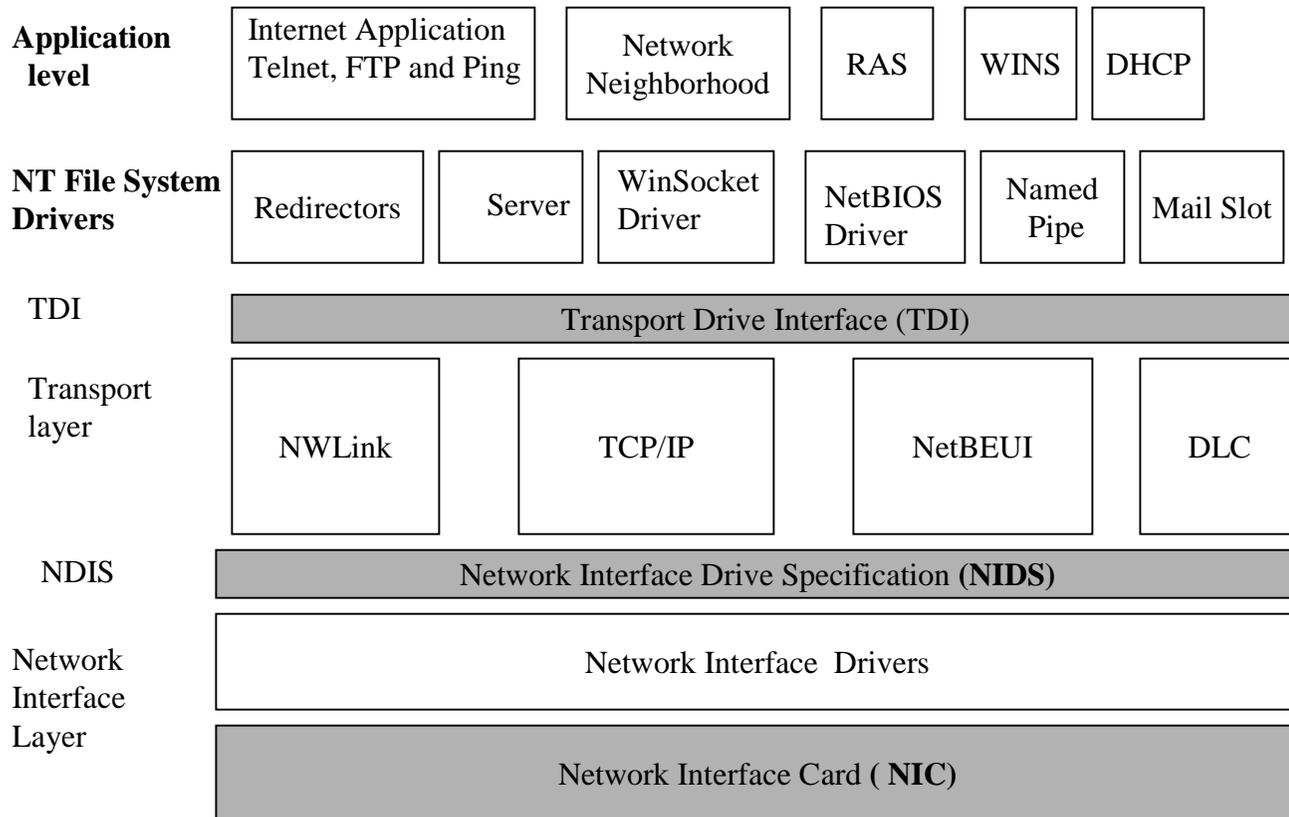


Figure 21.3

Netware and OSI Reference Model

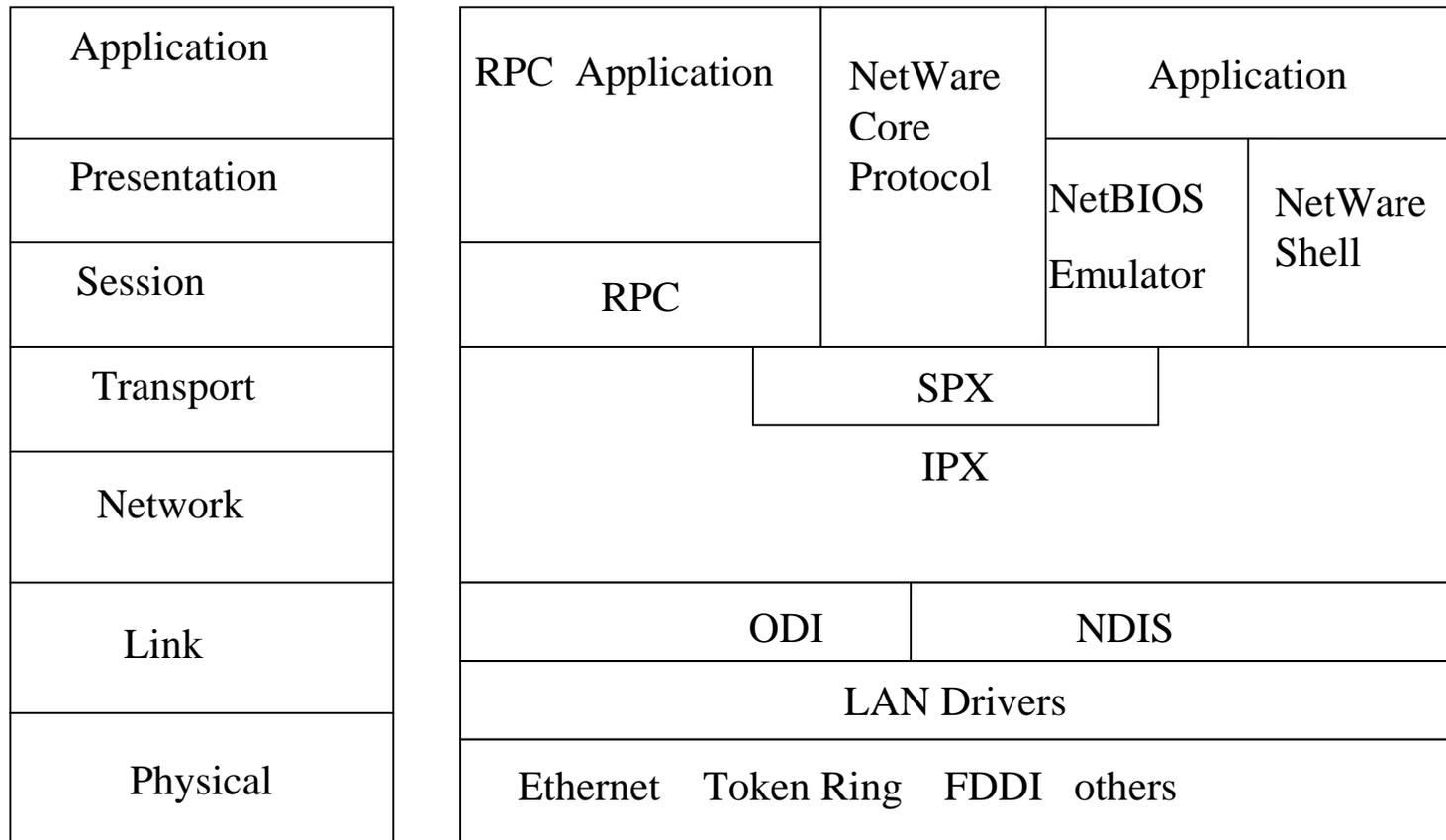


Figure 21.4

Netware Loadable Models

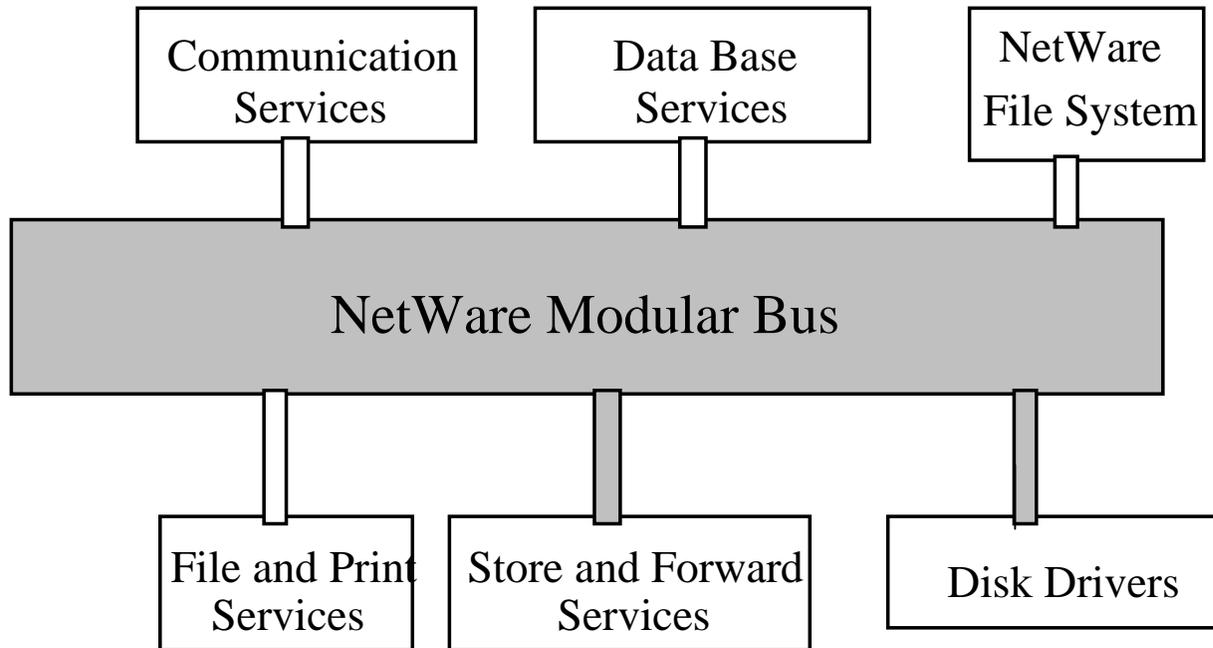


Figure 21.5