

SNMP GOALS

UBIQUITY

- PCs AND CRAYs

INCLUSION OF MANAGEMENT SHOULD BE INEXPENSIVE

- SMALL CODE
- LIMITED FUNCTIONALITY

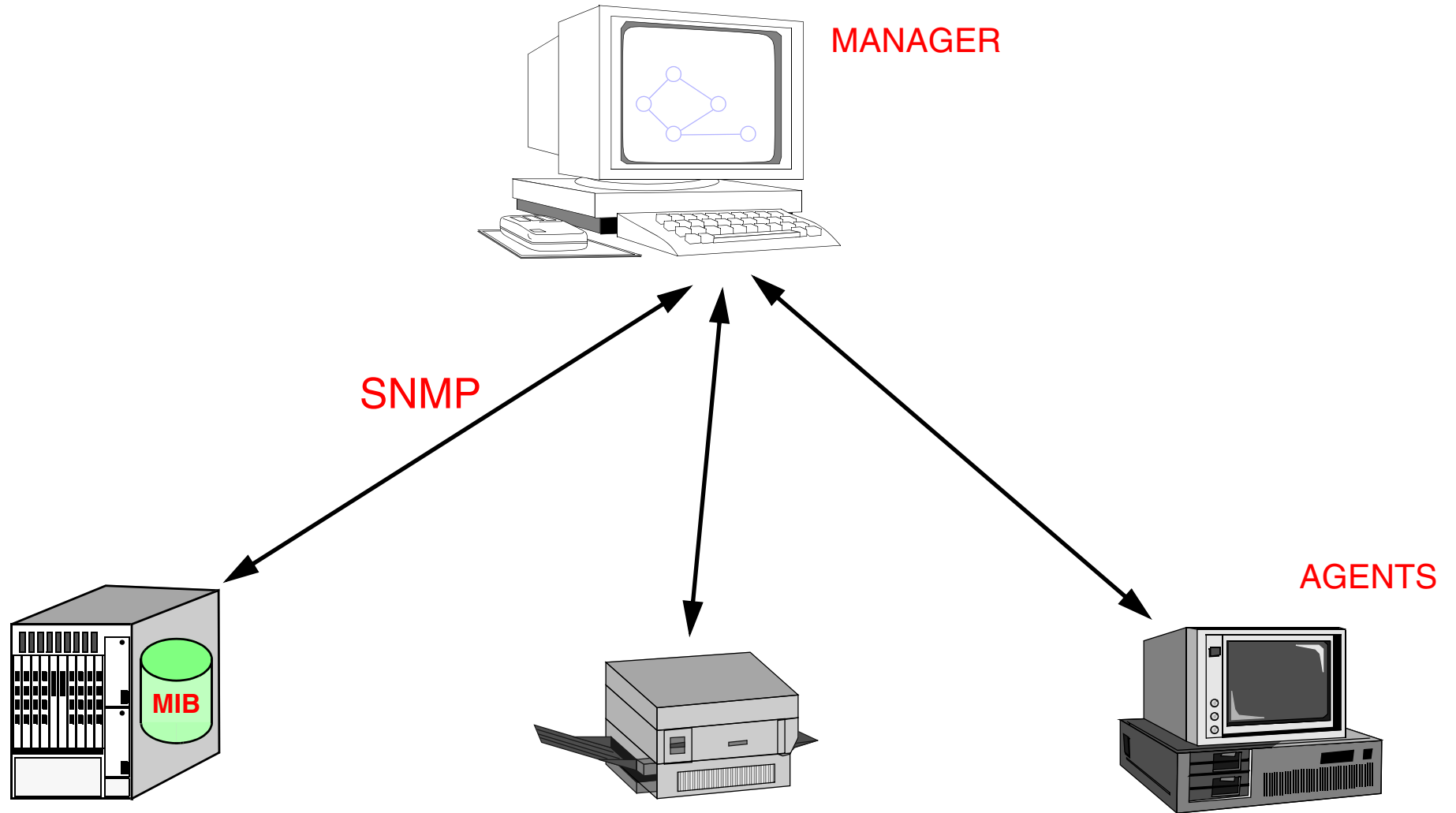
MANAGEMENT EXTENSIONS SHOULD BE POSSIBLE

- NEW MIBs

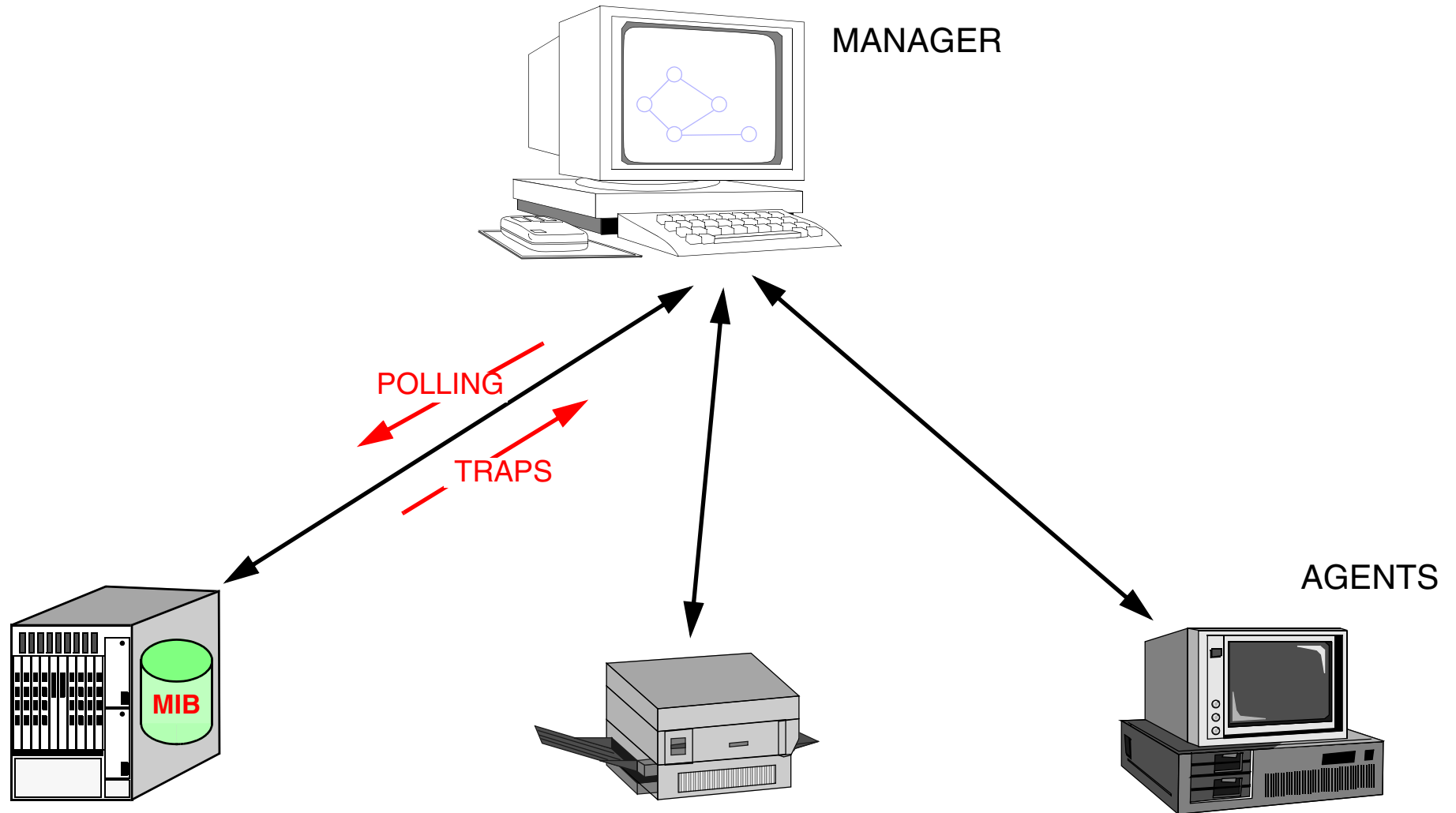
MANAGEMENT SHOULD BE ROBUST

- CONNECTIONLESS TRANSPORT

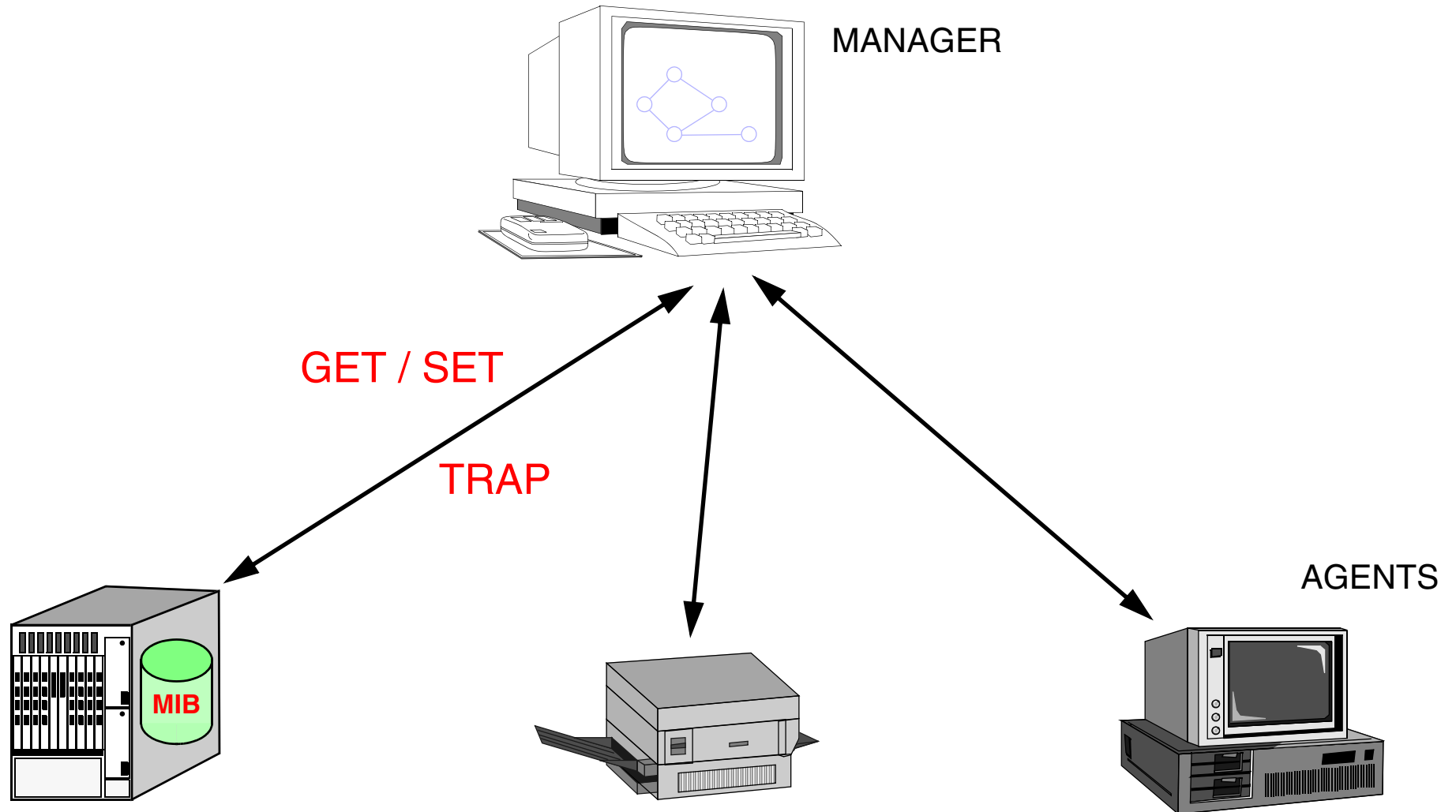
PRINCIPLE OPERATION



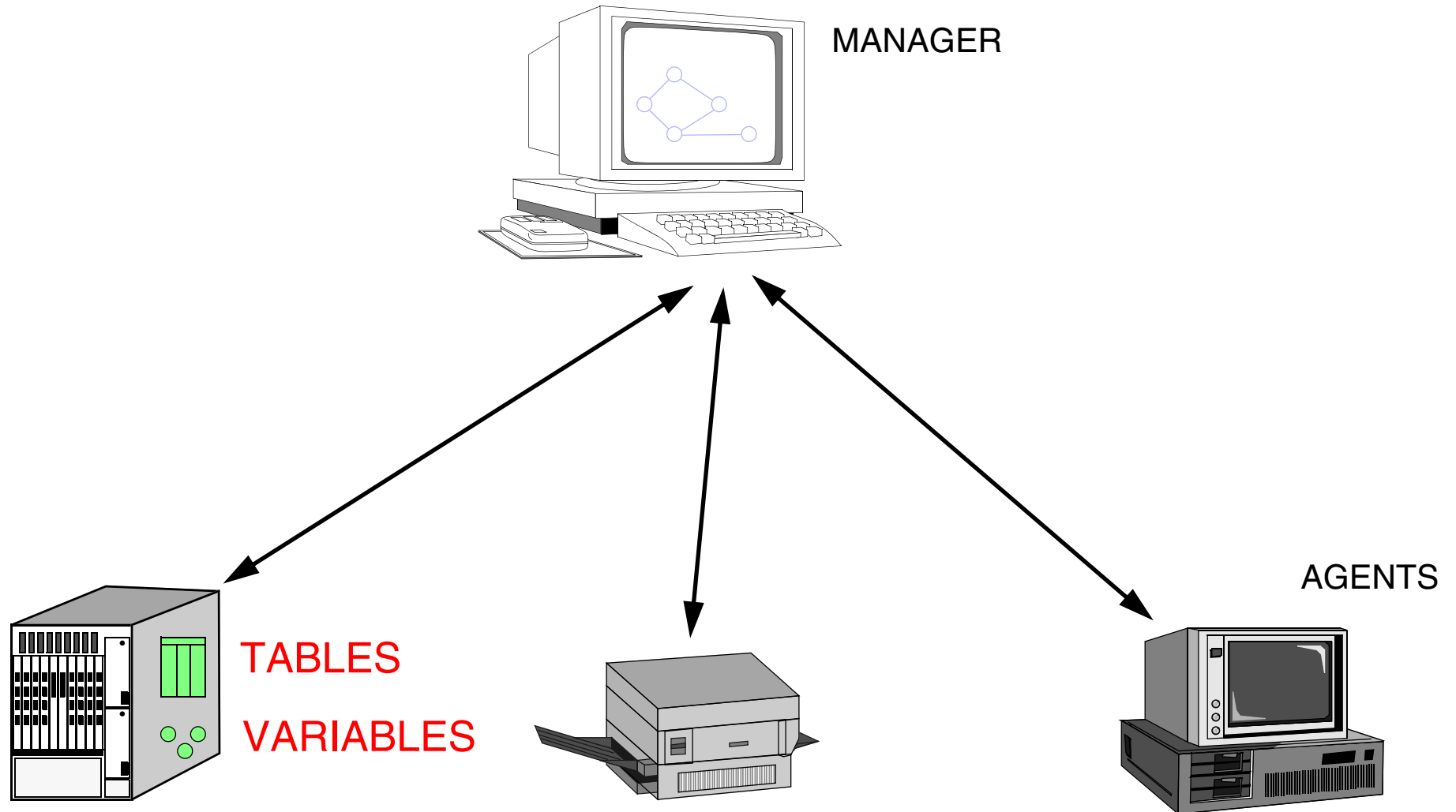
PRINCIPLE OPERATION



PRINCIPLE OPERATION



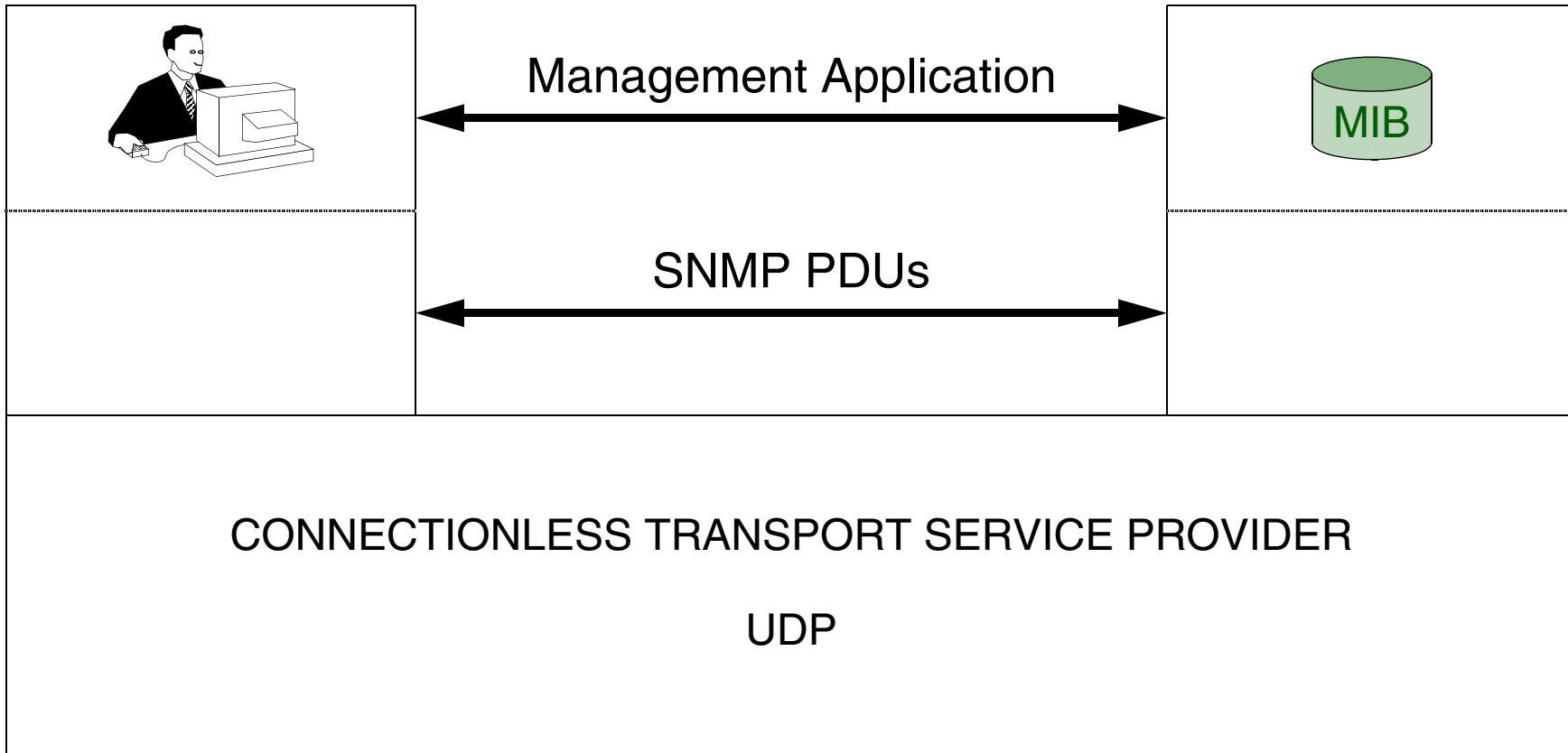
PRINCIPLE OPERATION



SNMP STRUCTURE

MANAGER

AGENT



STANDARDS

SMI

- STRUCTURE OF MANAGEMENT INFORMATION
 - TWO VERSIONS
 - RFC 1155, RFC 2578, ...

MIBs

- MANAGEMENT INFORMATION BASEs
 - A LARGE NUMBER OF MIBs EXIST
 - RFC 1213, ...

SNMP

- SIMPLE NETWORK MANAGEMENT PROTOCOL
- NAME IS USED IN A MORE GENERAL SENSE
 - VERSION 1: HISTORIC (RFC 1157)
 - VERSION 3: STANDARD (RFC 3411-3416)