

## Example networks

1. ARPANET

2. ATM

### 1. ARPANET

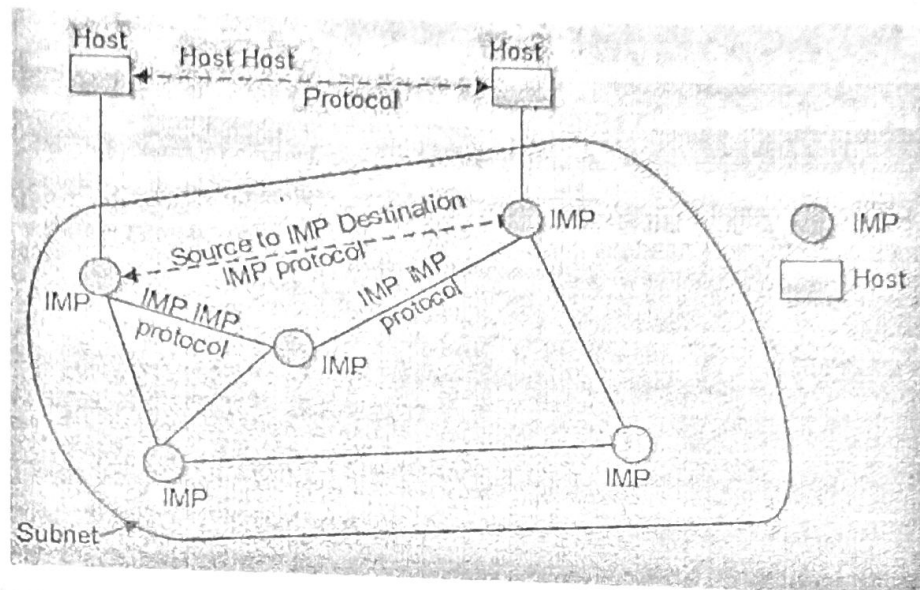


Figure. Architecture of ARPANET

- Architecture of ARPANET is illustrated as shown in Figure
- ARPANET stands for Advanced Research Projects Agency Networks
- ARPANET is an example network
- ARPANET was built to accommodate research equipment on packet switching technology and to allow resource sharing for the Department of Defense, USA
- ARPANET used the concept of packet switching network consisting of subnet and host computers.
- ARPANET consists of: Subnet & Hosts
- Subnet consists of several mini-computers called IMP's
- IMP stands for Interface Message Processor
- These IMP's are interconnected with each other through several transmission lines to provide high reliability
- Each node of the network used to have an IMP and a host connected by a short wire