WHY DO WE NEED DS?

-> To share resource and data

-> to have better availablity, reliablity scalablity and extensiblity

-> to inherit distribution and communication

-> to have high performance

DISADVANTAGE

Network & Security

DS

a collection of independent computers which work to complete a certain task as if theye were one device for the user

GOALS

-> Transparency

-> openess

-> flexiblity and simplicity of configration

-> extensiblity and scaliblity

Hardware

Multi computer
- Hetrogenous
- Homogenous
  - Bus Based
  - Switch Based
    - grid
    - hypercube

Multiprocessor
- omega network
- Bus based
- cross bar switch

Software

Distrbuted OS
tightly coupled and used in both multiprocessor computers and homogenous multicomputers

network OS
loosely coupeld collection of d/t OS which work together used for hetrogenous muticomputers . requires middleware

will provide remote login remote file copy shared file system through file server

Client server model
can be synronous or asyncronous

check out types of Distributed system