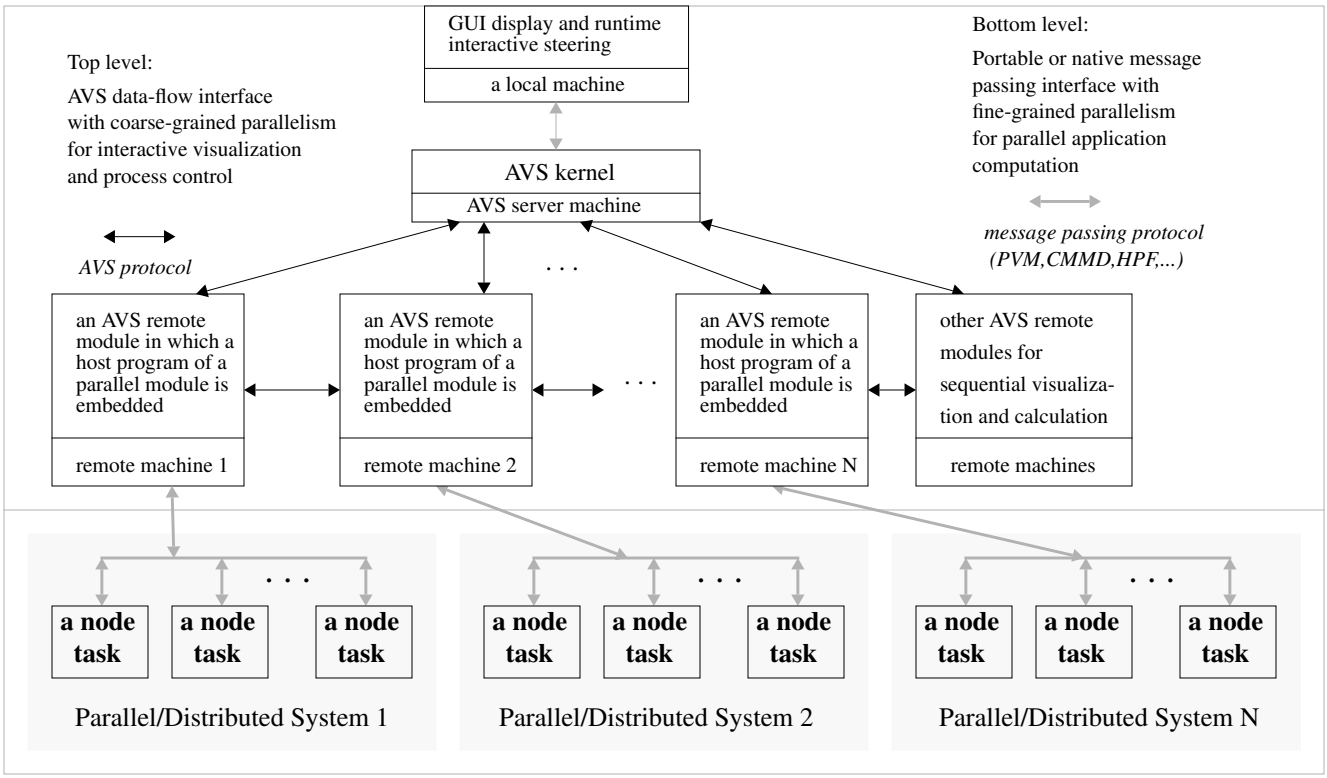
GUI display and runtime interactive steering
a local machine
Top level:
AVS data-flow interface with coarse-grained parallelism for interactive visualization and process control
Bottom level:
Portable or native message passing interface with fine-grained parallelism for parallel application computation
AVS kernel
AVS server machine
AVS protocol
message passing protocol (PVM,CMMD,HPF,...)
an AVS remote module in which a host program of a parallel module is embedded
remote machine 1
an AVS remote module in which a host program of a parallel module is embedded
remote machine 2
an AVS remote module in which a host program of a parallel module is embedded
remote machine N
other AVS remote modules for sequential visualization and calculation
remote machines
a node task
a node task
a node task
Parallel/Distributed System 1
a node task
a node task
a node task
Parallel/Distributed System 2
a node task
a node task
a node task
Parallel/Distributed System N