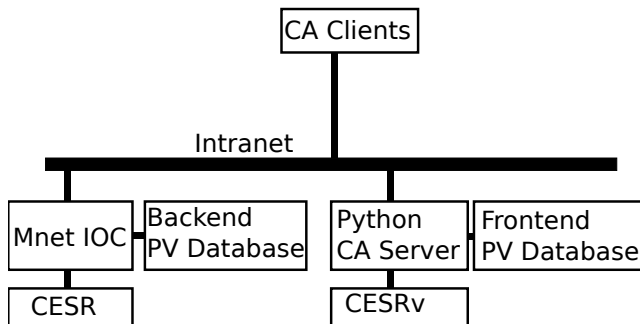


Including simulation in our EPICS system



- ▶ Design copied from CBeta
- ▶ Python script drives CESRv or Tao (or custom build) in a loop
- ▶ Python script publishes simulation results to a database that client code accesses (front end)

- ▶ To do: some networking details to be ironed out; e.g., CESR subnet computers run SL6 but the CBeta computers run SL7, so literal cut and paste will not work
- ▶ Unit conversion: MPMnet format to engineering units (e.g., magnet currents in amps) then engineering units to physical quantities of interest (e.g., field strengths)