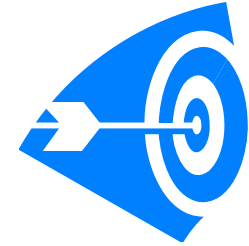


# Targetted Interventions



- Common interventions include:
    - Adding additional resources to an existing service;
    - Replacing hardware used by an existing service;
    - Operating system / middleware upgrade / patch;
    - Similar operations on DB backend (where applicable).
  - Pathological cases include:
    - Massive machine room reconfigurations, as was performed at CERN (and elsewhere) to prepare for LHC;
    - Wide-spread power or cooling problems;
    - Major network problems, such as DNS / router / switch problems.
- **Pathological cases clearly need to be addressed too!**