DAM-FANS: Dynamic Autonomous Monitoring of Future Access Network Services

Two main approaches can be used to decrease monitoring “Traffic” & “Cost”:

1. Reducing the information per monitored network element by:
   - Reconfiguration of logging mechanism.
   - Altering the frequency of monitoring interval.
   - Dynamically switching to different type of monitoring depending on priority levels.

2. Decreasing the number of monitoring points in the network by:
   - Choosing the optimal number and placement points of monitors.
   - Using intelligent communication among different monitors to react in a decentralized way.

Results & Achievements

- Successful placement of optimal number of monitors in real MPLS network within seconds.
- A prototype application has been developed that places the service monitors in future access networks according to priorities about information level.
- Cost and signaling traffic have been reduced efficiently.
- The number of monitors can be reduced to observe the whole network while quality of monitoring information remains significantly high.