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The diagram illustrates the IQM Manager architecture. It features a central IP network connecting three IQM-Agent nodes, each connected to a LAN. The agents send data to an IQM-Analysis and storage block, which then sends data to an IQM-Reporter block. The IQM-Reporter sends data to an Interface to other monitoring systems (SQL, syslog). The IQM-Analysis and storage block also sends data to an IQM-Alarms block, which sends data to an IQM-Manager block. The IQM-Manager block sends data to an Administrator and an Operator via HTTP. A legend at the bottom defines the symbols: red arrows for tests, blue arrows for statistics gathering, yellow arrows for management, yellow ovals for network nodes, and a yellow rectangle for the IQM Manager infrastructure.

- Tests
- Statistics gathering
- Management
- Network nodes
- IQM Manager infrastructure

Agents: There are special network appliances used for quality measurements, which are located in the main network nodes. They are small computers running IQMA software, and are called *probes* or *agents*. Agents automatically (on demand or on schedule) run tests between them (agents) and measure delivery parameters losses, delay (RTT), variation (jitter) and bandwidth. Gathered data is then pre-processed, stored in text files and delivered to higher level –

- IQMA agents management:
- Policy configuration
- Threshold management

IQM: the functional composition

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- Test by schedule configuration
- Test by demand configuration

- IQMM (lower level managers) management for distributed systems
- Automated processing of acquired data:
 - Export of data to SQL DB
 - Data reduction and pre-processing for storage
 - Data storage
 - Data analysis and consistency checks

- Data violation signalization
- Stats graphing and user interface