



Requirements Management

JobScheduler SNMP Support

Information for
Interested Parties

- **Architecture & Components for SNMP**
 - JobScheduler SNMP Architecture
 - JobScheduler SNMP Agent and Monitoring Interface
 - JobScheduler SNMP MIB Processing

SNMP Components

- Any System Monitor integrating an SNMP Manager and Trap Receiver can be used
- JobScheduler Monitoring System requires an SNMP Master Agent
- The JobScheduler SNMP Agent interacts with the SNMP Master Agent and provides information received from the Monitoring Interface

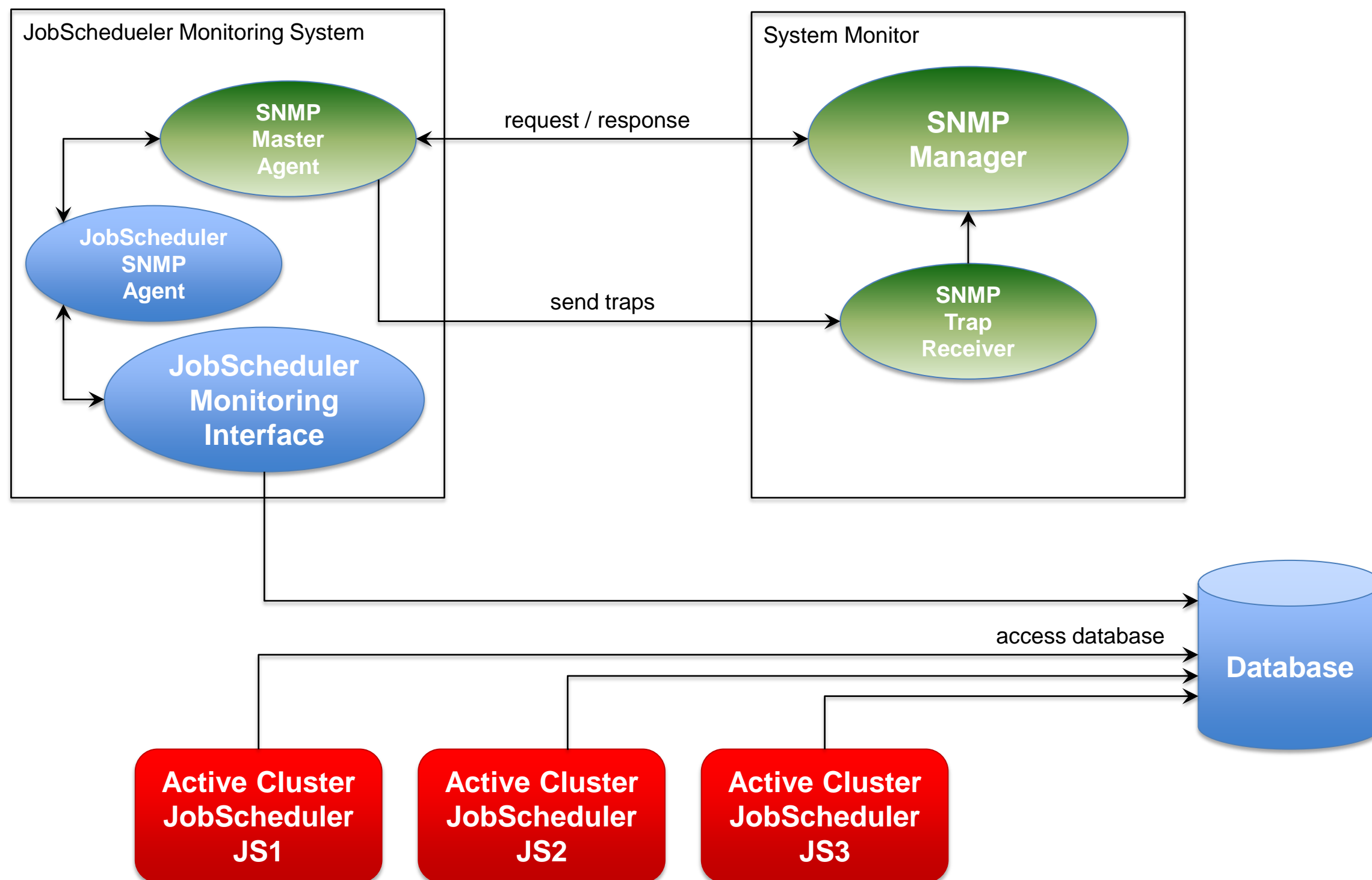
SNMP Message Flow

JobScheduler Instances

- All instances report to a central database
- This is the same set-up for all architectures including Active and Passive Clusters

JobScheduler SNMP Agent

- SNMP Agent interacts with the Monitoring Interface to report errors
- Request / response and traps are supported



SNMP Components

- Any System Monitor integrating an SNMP Manager and Trap Receiver can be used
- On the JobScheduler host an SNMP Master Agent is required
- The JobScheduler SNMP Agent interacts with the SNMP Master Agent and provides information received from the Monitoring Interface

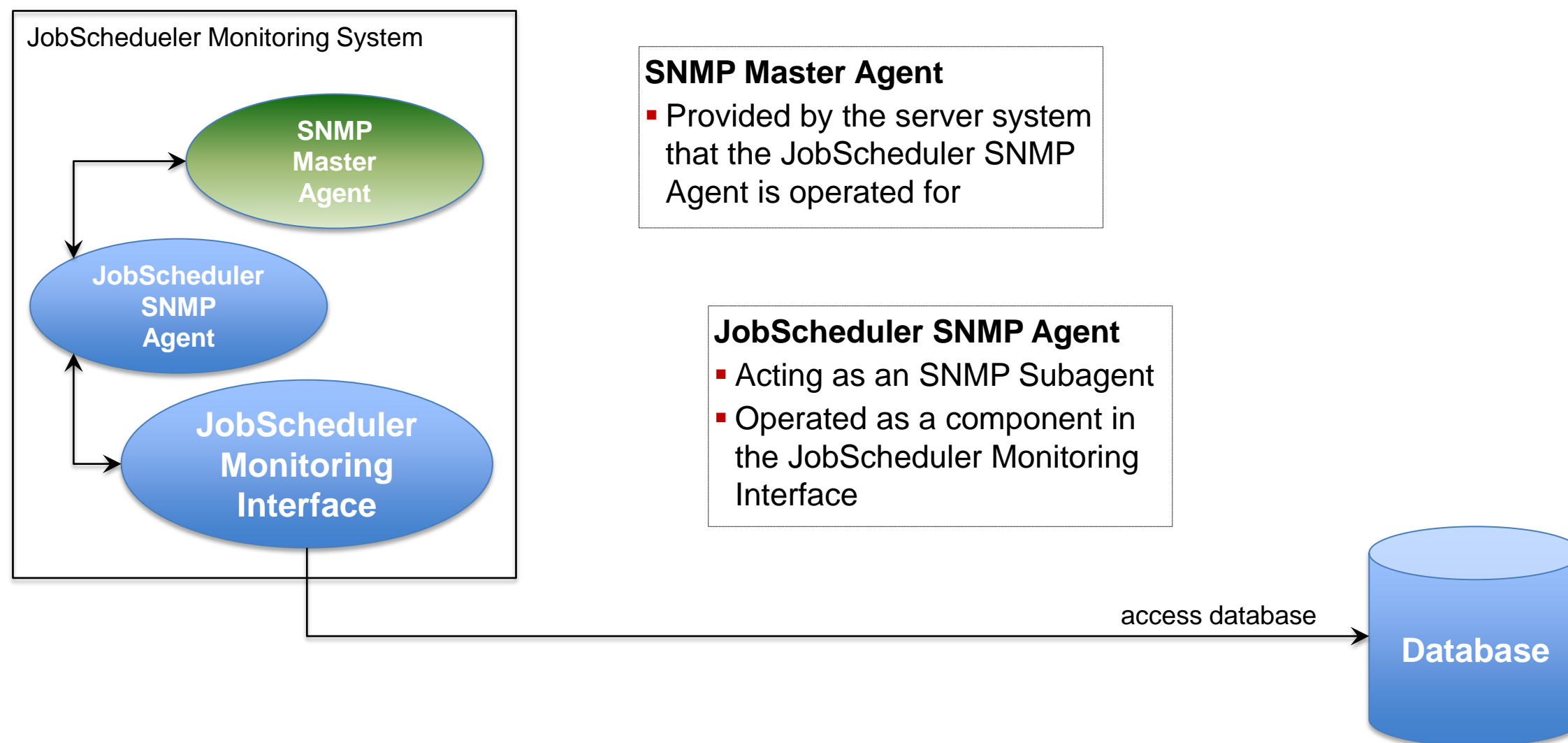
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SNMP Master Agent

- Provided by the server system that the JobScheduler SNMP Agent is operated for

JobScheduler SNMP Agent

- Acting as an SNMP Subagent
- Operated as a component in the JobScheduler Monitoring Interface

JobScheduler Monitoring Interface

- Acting as the only source for status information and job errors
- Tightly integrated with SNMP Agent
- Operated independently from JobScheduler instances

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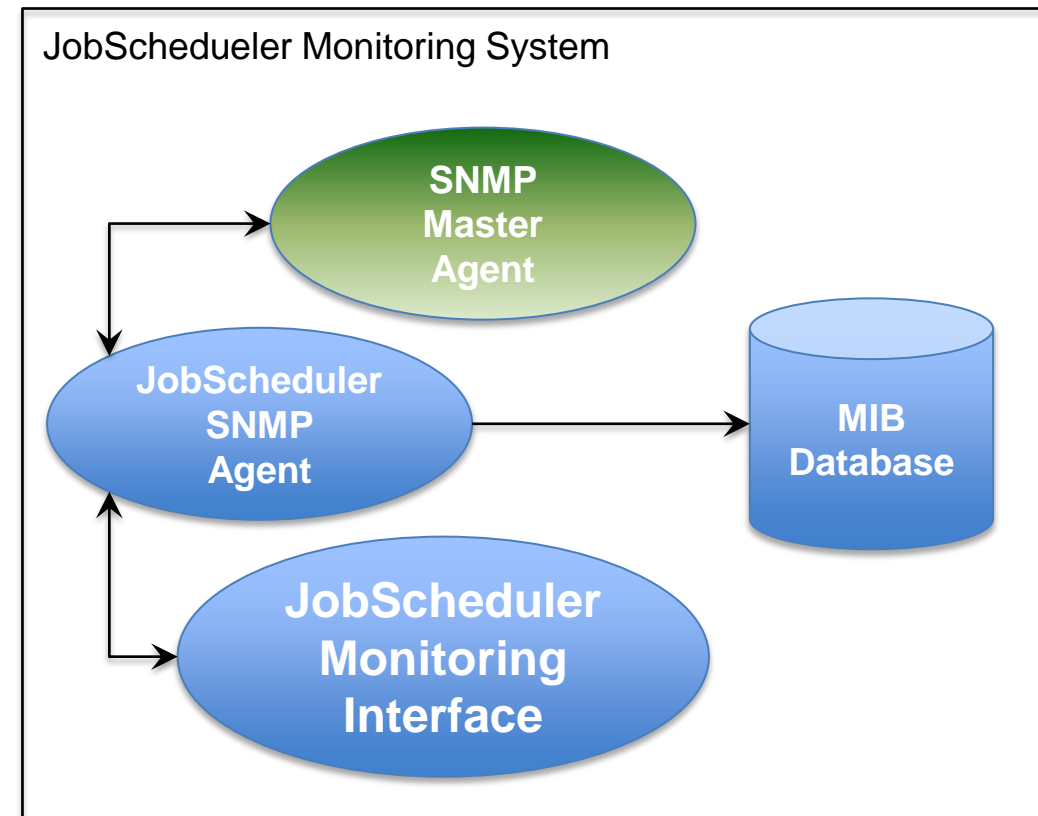
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MIB Database

- Contains the entities by OID
- Is provided by SOS
- Entities can be added any time by the SNMP Agent

JobScheduler SNMP Agent

- Requests and/or receives information on job errors from the Monitoring Interface
- Maps job errors to MIB entities
- Reports MIB entities to the SNMP Master Agent



Questions?
Comments?
Feedback?

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