

# Liveliness QoS

[See Policy](#) or [Return to Glossary](#)

**Liveliness QoS** offers the following settings to detect failures on the publishing node

- **AUTOMATIC**

Infrastructure managed (default), leases are renewed automatically by the service. Only process failures can be detected this way.

## 2. **MANUAL\_BY\_PARTICIPANT**

Application managed, the entire [Domain Participant](#) renews its lease when one of its contained Entities asserts its liveliness, either explicitly or implicitly.

## 3. **MANUAL\_BY\_TOPIC**

Application managed, each [Data Writer](#) is responsible for renewing its own lease, either implicitly or explicitly.

Source: [OpenSplice Glossary](#)

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