

Message bus

Description of the message bus we use in the Bitmagasin system
The message bus solution is currently being established, see [BITMAG-52@jira](#)

Choice of message bus

This is the rationale behind our choice of ActiveMQ as messaging software

Message bus requirements

The requirements our message bus solution needs to satisfy

- [Handling of timeouts would be nice](#)
- [High flexibility](#)
- [Low complexity](#)
- [Message payload should be signed](#)
- [Messages are exchanged asynchronously](#)
- [Persistent message queues and topics](#)
- [The bus must be usable "out of the box", programming should not be necessary on the server side](#)
- [To ensure robustness, the messaging system should support distribution among multiple physically independent servers](#)
- [Topics as well as simple queues should be supported](#)
- [Transformation of data between sender and consumer is not needed](#)
- [We need broad API support from common languages - especially Java and C](#)
- [We need SSL support on the wire protocol](#)

Active MQ links

- [Should i use transactions:](#)
- [How do transactions work:](#)