



# **Messaging Report**

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# Messaging PT Goals

- collate messaging requirements from the other EMI Product Teams
- analyse the available messaging solutions with regard to these requirements
- recommend which solution(s) to use within EMI
- provide the necessary additional software (tools, libraries...) to run a messaging service on top of existing software
- provide consultancy, guidelines, best practices, examples... to help other product teams with messaging integration

# MPT Work Plan – Year 1

- collate messaging requirements from the other EMI Product Teams
- perform a paper survey of the various options for an EMI messaging service
- provide messaging introductory information including guidelines

# MPT Work Plan – Year 2

- based on the requirements from year 1 as well as practical tests, recommend which messaging solution(s) should be used within EMI
- prototype the additional software that complements the chosen messaging solution(s)
- provide consultancy to help the other product teams with messaging integration
- improve the messaging documentation with best practices and examples

# MPT Work Plan – Year 3

- develop and document the additional software part of the EMI messaging solution(s)
- provide consultancy to help the other product teams with messaging integration
- improve and finalise the messaging documentation

# Messaging Workshop

- Attended by > 30 persons
- 7 presentations:
  - Crash course on messaging
  - EMI & messaging
  - Use cases from PTs (5)
- Many discussions:
  - more than what time allowed
  - some were out of scope
    - to be discussed later & elsewhere...

# Messaging Workshop Summary

- Some information disseminated
  - more will come later
- Goal was to “get the ball rolling”
  - looks like it does roll
- Work will continue in the PTs
- Some questions to be solved at PTB
  - e.g. who **must** do what wrt DoW

# Available Documents

- What Is Messaging?
- Messaging Technology
- Messaging Pictures
- Messaging Use Cases
- Frequently Asked Questions
- Questionnaire
- Message Formats
- STOMP
- Interoperability
- Protocol Overhead



# Messaging Guidelines

- First version is in the “*Crash course on messaging*” slides
- More will come very soon
- Input on what is needed is welcome
- In a nutshell:
  - Technology is evolving quickly
  - Isolate technology specific code
  - Test what you need in realistic setup
  - Important: security, reliability, scalability

# Next Steps

- Create a mailing list to host messaging related cross PT discussions
- Gather requirements via questionnaire
- Improve the existing information
  - including the guidelines
- Continue the technology survey



**Thank you**

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