

## Robotics Service Bus - Issues

| #    | Tracker     | Status   | Priority | Subject   | Assignee    | Updated             | Category                 | % Done |
|------|-------------|----------|----------|---|-------------|---------------------|--------------------------|--------|
| 475  | Enhancement | New      | Low      | Use RST IDL Type for Protocol Buffer Tutorials                                    | S. Wrede    | 02/27/2012 03:15 PM |                          | 0      |
| 647  | Enhancement | New      | Normal   | Hierarchical Event Fusion   |             | 10/19/2011 03:57 PM |                          | 0      |
| 648  | Enhancement | New      | Low      | Ideas for Recording Data on a Resource-Constrained System                         |             | 05/22/2013 11:27 AM |                          | 0      |
| 477  | Enhancement | Feedback | Low      | Test / Reconsider Distributed Logging   |             | 08/05/2011 06:38 PM |                          | 0      |
| 946  | Enhancement | New      | Normal   | Make causes semantically identifiable   |             | 04/17/2015 03:09 AM |                          | 0      |
| 1123 | Enhancement | New      | Normal   | Improve documentation for debian package installation wrt spread transport        |             | 08/03/2012 12:56 PM |                          | 0      |
| 2376 | Enhancement | New      | Normal   | Allow to deduplicate participants in introspection export                         | J. Moringen | 10/16/2017 09:23 PM |                          | 0      |
| 1236 | Enhancement | New      | Low      | VERSION_SUFFIX should be configurable   | J. Moringen | 11/15/2012 03:39 PM | Build System             | 0      |
| 1500 | Enhancement | New      | Normal   | Encode version in library name  |             | 05/17/2013 07:43 PM | Build System             | 0      |
| 1548 | Enhancement | New      | Normal   | Transports returned by ParticipantConfig::getTransports() should be mutable       |             | 10/16/2017 09:23 PM | C++                      | 0      |
| 2050 | Enhancement | New      | Normal   | allow shallow data copy for converter arguments?                                  |             | 04/24/2015 05:38 PM | C++                      | 0      |
| 1114 | Enhancement | New      | Low      | Create an in process example  |             | 07/30/2012 03:01 PM | C++ Tools                | 0      |
| 971  | Enhancement | New      | Low      | Allow limiting recording time   |             | 10/16/2017 09:22 PM | Commandline Tools        | 0      |
| 2676 | Enhancement | New      | Normal   | Allow to specify output stream for show-progress style "ready"                    | J. Moringen | 10/16/2017 09:23 PM | Commandline Tools        | 0      |
| 1817 | Enhancement | New      | Low      | Deliver binaries with pre-warmed PCL caches                                       | J. Moringen | 04/24/2015 05:35 PM | Common Lisp Tools        | 0      |
| 2366 | Enhancement | New      | Normal   | Improve frequency calculation   | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools        | 0      |
| 2367 | Enhancement | New      | Normal   | Scope-specific max-depth overrides for the tree view of the logger                | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools        | 0      |
| 2368 | Enhancement | New      | Normal   | Add average rate field to logger styles   | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools        | 0      |
| 551  | Enhancement | Feedback | High     | Language-specific configuration   |             | 04/24/2015 05:38 PM | Configuration            | 0      |
| 2772 | Enhancement | New      | Normal   | Uniformed path for System-Config in Windows                                       |             | 10/15/2018 10:31 AM | Configuration            | 0      |
| 2055 | Enhancement | New      | Normal   | Extend documentation on using and writing converters in the manual                |             | 10/16/2017 09:23 PM | Documentation            | 0      |
| 2225 | Enhancement | New      | Normal   | Use sphinx.ext.ifconfig for version-dependent information in the manual           |             | 10/16/2017 09:23 PM | Documentation            | 0      |
| 1831 | Enhancement | Feedback | Low      | Provide introspection functionality as shared object (as opposed to plugin-only)? |             | 10/16/2017 09:23 PM | Introspection            | 0      |
| 379  | Enhancement | New      | Normal   | Support URIs for Participant Configuration  | S. Wrede    | 04/24/2015 05:38 PM | Java                     | 0      |
| 1556 | Enhancement | New      | Normal   | Improve event type handling and converter selection                               |             | 10/16/2017 09:23 PM | Java                     | 0      |
| 544  | Enhancement | New      | Normal   | Check usage and reduce number of dynamic casts                                    |             | 09/05/2011 11:31 AM | Performance Optimization | 0      |
| 1054 | Enhancement | New      | Normal   | "auto" server mode is inefficient   |             | 04/17/2015 03:03 AM | Protocol                 | 0      |
| 380  | Enhancement | New      | Normal   | Support URIs for Participant Configuration  |             | 04/24/2015 05:38 PM | Python                   | 0      |
| 1463 | Enhancement | New      | Low      | Improve termination of python processes   |             | 10/16/2017 09:23 PM | Python                   | 0      |
| 1818 | Enhancement | New      | Low      | Change and/or enforce naming conventions in rsb-python                            |             | 03/21/2014 05:08 PM | Python                   | 0      |
| 1550 | Enhancement | New      | Normal   | "Auto" mode of the socket transport should be smarter                             |             | 04/17/2015 03:03 AM | Socket Transport         | 0      |
| 1515 | Enhancement | New      | Normal   | Add data type to all participants, especially listeners                           |             | 02/06/2014 05:32 PM | Specification            | 0      |
| 1516 | Enhancement | New      | Normal   | Separate Converter selection strategies for sending and receiving                 |             | 02/06/2014 05:32 PM | Specification            | 0      |
| 778  | Enhancement | New      | Normal   | Move Figures to Top-Level Folder  |             | 12/22/2015 11:15 AM | Talks                    | 0      |
| 2563 | Enhancement | New      | High     | Flush indices based on combined memory consumption of all indices                 | J. Moringen | 10/16/2017 09:23 PM | TIDELog Backend          | 0      |
| 597  | Tasks       | New      | Low      | Evaluate whether we want to move to Github once Spread is extracted               |             | 03/14/2015 01:53 AM |                          | 0      |
| 1365 | Tasks       | New      | Normal   | Participant-wise configuration  |             | 04/24/2015 05:38 PM |                          | 0      |
| 2216 | Tasks       | New      | Normal   | Consider using git subtrees instead of submodules                                 |             | 04/30/2015 12:55 PM |                          | 0      |
| 2559 | Tasks       | New      | Normal   | Scope renaming  |             | 06/08/2016 02:18 PM |                          | 0      |

| #    | Tracker | Status   | Priority | Subject   | Assignee    | Updated             | Category         | % Done |
|------|---------|----------|----------|---|-------------|---------------------|------------------|--------|
| 2479 | Tasks   | New      | Normal   | Bag as bus server crashes in case client is closed  | J. Moringen | 10/16/2017 09:23 PM |                  | 0      |
| 1227 | Tasks   | Feedback | Normal   | Add a CMake macro for RSB plugins   |             | 10/16/2017 09:23 PM | Build System     | 0      |
| 886  | Tasks   | New      | Normal   | Scope renaming (C++)  |             | 06/08/2016 02:19 PM | C++              | 0      |
| 1035 | Tasks   | New      | Normal   | Implement error handling subsystem  |             | 10/16/2017 09:22 PM | C++              | 0      |
| 1213 | Tasks   | New      | Normal   | Really support wire-types other than string   |             | 10/16/2017 09:23 PM | C++              | 0      |
| 1214 | Tasks   | New      | Normal   | Use better wire-type for binary blobs   |             | 10/16/2017 09:23 PM | C++              | 0      |
| 1768 | Tasks   | New      | Normal   | Evaluate Boost.Exception for dealing with re-thrown exceptions  |             | 04/24/2015 05:38 PM | C++              | 0      |
| 2433 | Tasks   | New      | Normal   | Wait for confirmation when joining Spread groups [C++]  |             | 01/22/2018 04:29 PM | C++              | 0      |
| 889  | Tasks   | New      | Normal   | Scope renaming [Common Lisp]  | J. Moringen | 06/08/2016 02:18 PM | Common Lisp      | 0      |
| 1287 | Tasks   | New      | Normal   | Document Java plugin mechanism  |             | 10/16/2017 09:22 PM | Documentation    | 0      |
| 1288 | Tasks   | New      | Normal   | Document Python plugin mechanism  |             | 10/16/2017 09:22 PM | Documentation    | 0      |
| 1289 | Tasks   | New      | Normal   | Document Common Lisp plugin mechanism   | J. Moringen | 10/16/2017 09:22 PM | Documentation    | 0      |
| 1414 | Tasks   | New      | Normal   | Document receiving and processing using a thread-safe queue   |             | 10/16/2017 09:23 PM | Documentation    | 0      |
| 1418 | Tasks   | New      | Normal   | Describe Recommend Way of using Domain Classes and Converters in the manual                                   |             | 10/16/2017 09:23 PM | Documentation    | 0      |
| 1901 | Tasks   | New      | Normal   | Documentation should include an example or elaborate more clearly on the semantics of the template parameters |             | 10/16/2017 09:23 PM | Documentation    | 0      |
| 2111 | Tasks   | New      | High     | Document converter disambiguation (programmatic and via config file)  |             | 10/16/2017 09:23 PM | Documentation    | 0      |
| 1708 | Tasks   | New      | Normal   | Document C++ client API   |             | 04/17/2015 03:05 AM | Documentation    | 0      |
| 1709 | Tasks   | New      | Low      | Document Java client API  |             | 04/17/2015 03:05 AM | Documentation    | 0      |
| 897  | Tasks   | New      | Normal   | Verify Elan backend   | J. Moringen | 04/02/2017 10:52 AM | ELAN Backend     | 0      |
| 945  | Tasks   | New      | Normal   | Support proper temporal intervals in Elan backend   | J. Moringen | 10/16/2017 09:22 PM | ELAN Backend     | 0      |
| 2137 | Tasks   | New      | Normal   | Handling of missing/not-encodable Hostname and/or HostId  |             | 10/16/2017 09:23 PM | Introspection    | 0      |
| 376  | Tasks   | New      | Normal   | Pull-style Event Receiving  | S. Wrede    | 04/24/2015 05:38 PM | Java             | 0      |
| 887  | Tasks   | New      | Normal   | Scope renaming [Java]   |             | 06/08/2016 02:18 PM | Java             | 0      |
| 1188 | Tasks   | New      | Normal   | Test examples as part of unit tests   |             | 04/24/2015 05:34 PM | Java             | 0      |
| 1465 | Tasks   | New      | Normal   | Provide better interface for parameterless RPC methods  | S. Wrede    | 10/16/2017 09:23 PM | Java             | 0      |
| 377  | Tasks   | New      | Normal   | Pull-style Event Receiving  |             | 04/24/2015 05:38 PM | Python           | 0      |
| 888  | Tasks   | New      | Normal   | Scope renaming [Python]   |             | 06/08/2016 02:18 PM | Python           | 0      |
| 1189 | Tasks   | New      | Normal   | Test examples as part of unit tests   |             | 04/24/2015 05:34 PM | Python           | 0      |
| 2529 | Tasks   | New      | Normal   | Wait for confirmation when joining Spread groups [Python]   |             | 10/16/2017 09:23 PM | Python           | 0      |
| 1584 | Tasks   | New      | Low      | Prevent termination of BusServer when client connections exist  |             | 10/16/2017 09:23 PM | Socket Transport | 0      |
| 885  | Tasks   | New      | Normal   | Specify scope renaming  |             | 06/08/2016 02:20 PM | Specification    | 0      |
| 483  | Support | New      | Normal   | Document Connector Extension Point  |             | 10/16/2017 09:22 PM | Documentation    | 0      |
| 1399 | Support | New      | Normal   | Matlab Installation Doc   |             | 02/07/2013 10:38 AM | Java             | 0      |
| 471  | Feature | New      | Normal   | Support for RPC clients which do not require a running server part  |             | 07/07/2016 10:10 AM |                  | 0      |
| 1870 | Feature | New      | Normal   | Allow (optional) parallel method calls  |             | 06/30/2016 12:36 PM |                  | 0      |
| 2138 | Feature | New      | Normal   | Allow constructing scopes from a list of component strings (potentially single component)                     |             | 10/16/2017 09:23 PM |                  | 0      |
| 1769 | Feature | New      | Normal   | Store start and end timestamp of recording  |             | 10/16/2017 09:23 PM |                  | 0      |
| 1677 | Feature | New      | Normal   | Support explicit backend selection  | J. Moringen | 10/16/2017 09:23 PM | Backend          | 0      |
| 45   | Feature | New      | Normal   | Add Conditional Parsing for User Data in Receiver Process   | S. Wrede    | 08/18/2010 09:00 PM | C++              | 0      |
| 1149 | Feature | Feedback | Normal   | Allow checking if handlers are registered in Listener   |             | 10/16/2017 09:22 PM | C++              | 0      |
| 1745 | Feature | New      | Normal   | Implement introspection event receiver and client API   |             | 11/22/2016 08:22 PM | C++              | 0      |

| #    | Tracker | Status      | Priority | Subject  | Assignee        | Updated             | Category                 | % Done |
|------|---------|-------------|----------|--|-----------------|---------------------|--------------------------|--------|
| 1825 | Feature | New         | Normal   | bag record: Start timestamp for remote recording start   | J. Moringen     | 10/16/2017 09:23 PM | Commandline Tools        | 0      |
| 318  | Feature | New         | Normal   | Support QoS in Spread connector  | J. Moringen     | 04/19/2012 05:27 PM | Common Lisp              | 0      |
| 2170 | Feature | New         | Low      | Visual indication when rsb-logger* (or any other rsb-tool) is ready  | J. Moringen     | 10/16/2017 09:23 PM | Common Lisp Tools        | 0      |
| 340  | Feature | Feedback    | Normal   | Implement Distributed Namingservice  |                 | 12/22/2015 11:19 AM | Introspection            | 0      |
| 1922 | Feature | New         | Low      | Include environment variables in introspection messages describing processes                                     |                 | 04/24/2015 05:38 PM | Introspection            | 0      |
| 2673 | Feature | In Progress | Normal   | In addition to DISPLAY_NAME, the introspection system should accept a DISPLAY_VERSION or similar                 | J. Moringen     | 10/16/2017 09:23 PM | Introspection            | 0      |
| 674  | Feature | New         | Normal   | Implement ErrorHandler subsystem in Java   |                 | 10/16/2017 09:22 PM | Java                     | 0      |
| 729  | Feature | New         | Normal   | Allow regex-based converter selection for deserializing  |                 | 11/23/2011 01:26 PM | Java                     | 0      |
| 1746 | Feature | New         | Normal   | Implement introspection event receiver and client API  |                 | 11/22/2016 08:22 PM | Java                     | 0      |
| 1707 | Feature | New         | Low      | Support Java as a client language  |                 | 04/17/2015 03:05 AM | Java Client API          | 0      |
| 2185 | Feature | New         | Normal   | Provide Contrib Library or Folder for Community Additions  |                 | 06/14/2016 09:53 AM | Packaging                | 0      |
| 2227 | Feature | Feedback    | Normal   | Symlinks/Aliases for Scopes  | C. Leichsenring | 06/09/2016 01:46 PM | Protocol                 | 0      |
| 1747 | Feature | New         | Normal   | Implement introspection event receiver and client API  |                 | 11/22/2016 08:22 PM | Python                   | 0      |
| 381  | Feature | New         | Low      | Timestamp compatilby to ROS and YARP   |                 | 06/21/2011 07:43 PM | Specification            | 0      |
| 2648 | Feature | New         | Low      | Setters for TimesyncStrategy options   |                 | 12/12/2018 03:10 PM | Timesync                 | 0      |
| 1665 | Bug     | New         | Normal   | Support common installations (to simlify cross compiliation)   |                 | 01/10/2014 11:53 AM |                          | 0      |
| 923  | Bug     | New         | Normal   | Computation of channel format is a horrible hack   |                 | 10/16/2017 09:22 PM |                          | 0      |
| 1441 | Bug     | New         | Normal   | Better handling of dependencies without pc file, e. g. boost, in our pkgconfig                                   |                 | 02/27/2013 11:02 AM | Build System             | 0      |
| 1642 | Bug     | New         | Normal   | pkg-config test fails in integration test  |                 | 10/04/2013 12:23 AM | Build System             | 0      |
| 52   | Bug     | New         | Normal   | State model/checking for modifications on InRouteConfigurators required  |                 | 09/05/2013 05:50 PM | C++                      | 0      |
| 1620 | Bug     | New         | Normal   | Configurator can't check if connector is active  |                 | 10/10/2017 06:21 PM | C++                      | 0      |
| 1914 | Bug     | New         | Normal   | Reader does not work with multi-connector setup  |                 | 04/17/2015 03:00 AM | C++                      | 0      |
| 2150 | Bug     | New         | High     | Specification of preferred converters should be reconsidered   |                 | 10/10/2017 06:18 PM | C++                      | 0      |
| 2246 | Bug     | New         | Normal   | Socket Server Deadlock   |                 | 10/10/2017 06:21 PM | C++                      | 0      |
| 2183 | Bug     | New         | Normal   | Compilation of RSB Tools fails on MacOS 10.10  |                 | 04/15/2015 06:18 PM | C++ Tools                | 0      |
| 2675 | Bug     | New         | Normal   | show-progress online help doesn't list available styles  | J. Moringen     | 10/16/2017 09:23 PM | Commandline Tools        | 0      |
| 688  | Bug     | Feedback    | Normal   | Name resolution does not work with absolute package names  | J. Moringen     | 10/25/2014 05:01 PM | Common Lisp Tools        | 0      |
| 1483 | Bug     | New         | Low      | Common Lisp logger stumbles upon wrong / unknown config options  | J. Moringen     | 04/24/2015 05:38 PM | Common Lisp Tools        | 0      |
| 2398 | Bug     | New         | Normal   | Unable to play large tide file when using spread transport   | J. Moringen     | 10/16/2017 09:23 PM | Common Lisp Tools        | 0      |
| 2686 | Bug     | New         | Normal   | CL tools sometimes fail to connect to localhost  | J. Moringen     | 10/16/2017 09:23 PM | Common Lisp Tools        | 0      |
| 2753 | Bug     | New         | Normal   | Introspection Bugs   | J. Moringen     | 06/13/2018 09:56 AM | Introspection            | 0      |
| 2117 | Bug     | New         | Normal   | Listener state changes are not synchronized, informer one's are  |                 | 10/10/2017 06:21 PM | Java                     | 0      |
| 2167 | Bug     | New         | Normal   | Check that RemoteServer instances delete EventId instances in case of RPC timeouts                               |                 | 04/23/2015 11:09 AM | Java                     | 0      |
| 1401 | Bug     | New         | Normal   | Sphinx-based documentation for rsb-matlab  | S. Wrede        | 07/07/2016 10:09 AM | Matlab                   | 0      |
| 1474 | Bug     | New         | Low      | rsb matlab interface not fully working with newest MATLAB versions (R2012b and R2013a)                           |                 | 03/26/2015 05:15 PM | Matlab                   | 0      |
| 546  | Bug     | New         | Low      | Consider introduction of lock-free queues  |                 | 03/15/2012 12:54 PM | Performance Optimization | 0      |
| 1335 | Bug     | New         | Normal   | Socket transport in Python silently drops events   | J. Moringen     | 01/16/2013 04:27 PM | Python                   | 0      |
| 1410 | Bug     | New         | Normal   | Python socket transport swallows missing converter errors silently so that clients can end up blocking endlessly |                 | 10/10/2017 06:21 PM | Python                   | 0      |

| #    | Tracker     | Status      | Priority | Subject  | Assignee    | Updated             | Category              | % Done |
|------|-------------|-------------|----------|--|-------------|---------------------|-----------------------|--------|
| 2313 | Bug         | New         | Normal   | Unexpected Exception about introspection   |             | 10/10/2017 06:21 PM | Python                | 0      |
| 390  | Bug         | New         | Normal   | Handling of sendTime in Informer   |             | 11/27/2014 01:23 PM | Specification         | 0      |
| 515  | Bug         | New         | Normal   | Data handlers cannot deal with unexpected types  |             | 10/10/2017 06:21 PM | Specification         | 0      |
| 2163 | Bug         | New         | Normal   | Remove rsb.wire-schema property from metaData in socket transport                            |             | 10/10/2017 06:18 PM | Specification         | 0      |
| 1083 | Enhancement | In Progress | Normal   | Implement communication with congestion control (for reader interface)                       |             | 04/24/2015 05:38 PM | Protocol              | 10     |
| 1757 | Enhancement | In Progress | Normal   | Add intermediate results to request-reply pattern  |             | 10/16/2017 09:23 PM | Request Reply Pattern | 10     |
| 2139 | Feature     | New         | Normal   | Finalize introspection implementation  |             | 10/16/2017 09:23 PM | Introspection         | 16     |
| 997  | Enhancement | In Progress | Normal   | Replace ProtoBuf Serialization of RSB Notifications through a Rosetta-based Serialization    | J. Moringen | 02/06/2014 05:32 PM | Protocol              | 20     |
| 331  | Tasks       | In Progress | Low      | Generate and export API Documentation  | J. Moringen | 01/06/2012 06:05 PM | Common Lisp           | 20     |
| 1191 | Tasks       | In Progress | Normal   | Document programmatic configuration of individual participants                               | J. Moringen | 10/16/2017 09:23 PM | Documentation         | 20     |
| 1882 | Tasks       | In Progress | Normal   | Document void -> void RPC in the troubleshooting section of the manual                       | J. Moringen | 10/16/2017 09:23 PM | Documentation         | 20     |
| 392  | Tasks       | In Progress | Normal   | Multi-Connector Setups lead to duplicate reception of Events                                 |             | 07/07/2016 11:22 AM | Specification         | 20     |
| 896  | Feature     | In Progress | Normal   | Extend Elan backend  | J. Moringen | 10/16/2017 09:22 PM | ELAN Backend          | 20     |
| 1770 | Feature     | In Progress | Normal   | Add TYPE block to TIDELog backend  | J. Moringen | 04/02/2017 10:52 AM | TIDELog Backend       | 20     |
| 1771 | Feature     | In Progress | Normal   | Add META block to TIDELog backend  | J. Moringen | 04/02/2017 10:52 AM | TIDELog Backend       | 20     |
| 671  | Bug         | In Progress | Normal   | rsb-java does not shutdown properly if a Spread connection fails                             | S. Wrede    | 09/02/2013 06:40 PM | Java                  | 20     |
| 2558 | Bug         | In Progress | Normal   | Events with same timestamps are replayed with changed order                                  | J. Moringen | 10/16/2017 09:23 PM | Replay                | 20     |
| 344  | Bug         | New         | High     | C++ Spread: Transport-level errors are not handled properly                                  |             | 10/10/2017 06:21 PM | Spread Connector      | 20     |
| 1166 | Tasks       | In Progress | Normal   | Document plugin mechanism  | J. Moringen | 10/16/2017 09:22 PM | Documentation         | 25     |
| 283  | Enhancement | In Progress | Normal   | Unify exception handling   |             | 02/27/2012 03:29 PM | C++                   | 30     |
| 478  | Enhancement | In Progress | Normal   | Refactor rsb.transport.converter Module  |             | 04/23/2015 11:24 AM | Python                | 30     |
| 524  | Tasks       | In Progress | Normal   | Which timestamps should be set based on recorded information?                                | J. Moringen | 10/16/2017 09:22 PM |                       | 30     |
| 1456 | Tasks       | In Progress | Normal   | Use lparallel futures if possible  | J. Moringen | 04/24/2015 05:38 PM | Common Lisp           | 30     |
| 1415 | Tasks       | In Progress | Normal   | Document writing converters in manual  |             | 10/16/2017 09:23 PM | Documentation         | 30     |
| 1036 | Tasks       | In Progress | Normal   | Implement error handling subsystem   | J. Moringen | 10/16/2017 09:22 PM | Python                | 30     |
| 1102 | Feature     | In Progress | High     | Use data type definitions stored in log files  | J. Moringen | 04/03/2017 06:42 PM | Backend               | 30     |
| 1776 | Feature     | In Progress | Normal   | Highlight interesting things in logger/bag-cat output  | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools     | 30     |
| 1849 | Bug         | Feedback    | Normal   | Call tool does not complain if it can't decode a reply                                       | J. Moringen | 10/10/2017 06:21 PM | Common Lisp Tools     | 30     |
| 1718 | Feature     | In Progress | Normal   | Support linked media files in Elan backend   | J. Moringen | 10/16/2017 09:22 PM | ELAN Backend          | 40     |
| 284  | Enhancement | In Progress | Normal   | Specify barricade strategy for passed arguments  |             | 05/16/2011 04:52 PM | C++                   | 50     |
| 1023 | Enhancement | In Progress | Normal   | Add Transport class [C++]  |             | 10/16/2017 09:22 PM | C++                   | 50     |
| 979  | Enhancement | In Progress | Normal   | bag record: Make status output more intuitive  | J. Moringen | 10/16/2017 09:22 PM | Commandline Tools     | 50     |
| 2359 | Enhancement | In Progress | Normal   | Graph for introspection web interface  | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools     | 50     |
| 322  | Enhancement | In Progress | Normal   | Introspectable Configuration Options [Java]  | J. Moringen | 10/16/2017 09:22 PM | Java                  | 50     |
| 320  | Enhancement | In Progress | Normal   | Introspectable Configuration Options [Python]  |             | 10/16/2017 09:22 PM | Python                | 50     |
| 1597 | Enhancement | New         | Low      | setup.py should specify the protobuf dependency with the exact version                       |             | 10/16/2017 09:23 PM | Python                | 50     |
| 1422 | Tasks       | Feedback    | Normal   | Add a plugin which registers the XOP converter   | S. Wrede    | 10/16/2017 09:23 PM | C++                   | 50     |
| 1458 | Tasks       | In Progress | Normal   | Implement configuration inspector tool   | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools     | 50     |
| 1048 | Tasks       | In Progress | Normal   | Specify disconnect protocol for socket transport   | J. Moringen | 10/16/2017 09:22 PM | Protocol              | 50     |
| 875  | Feature     | In Progress | Low      | Newer tool versions should be able to write files in format understandable by older versions | J. Moringen | 10/16/2017 09:22 PM |                       | 50     |
| 1706 | Feature     | In Progress | Normal   | Support C++ as a client language   | J. Moringen | 11/10/2015 11:50 AM | C++ Client API        | 50     |
| 1767 | Feature     | Feedback    | Low      | Export default plugin folder   |             | 10/16/2017 09:23 PM | Configuration         | 50     |

| #    | Tracker     | Status      | Priority | Subject   | Assignee    | Updated             | Category           | % Done |
|------|-------------|-------------|----------|---|-------------|---------------------|--------------------|--------|
| 1993 | Feature     | In Progress | Low      | Rebuild introspection database when clock jumps                 | J. Moringen | 10/16/2017 09:23 PM | Introspection      | 50     |
| 382  | Feature     | In Progress | Normal   | Interaction with Foreign Nameservice                            | J. Moringen | 06/08/2016 02:21 PM | ROS Connector      | 50     |
| 1777 | Enhancement | In Progress | Normal   | Add commandline options to exclude scopes from logging          | J. Moringen | 10/16/2017 09:23 PM | Common Lisp Tools  | 60     |
| 1482 | Tasks       | In Progress | Low      | Rename bag-merge -> bag-transform                               | J. Moringen | 04/17/2015 03:03 AM | Commandline Tools  | 60     |
| 373  | Tasks       | In Progress | Normal   | Move Spread Transport into separate System                      | J. Moringen | 10/16/2017 09:22 PM | Common Lisp        | 60     |
| 2233 | Tasks       | In Progress | Normal   | Wait for confirmation when joining Spread groups                |             | 10/16/2017 09:23 PM | Spread Connector   | 60     |
| 1982 | Feature     | In Progress | Normal   | Enable introspection senders by default?                        | J. Moringen | 10/16/2017 09:23 PM | Introspection      | 60     |
| 1347 | Feature     | In Progress | Low      | Minimal support for ROSbag file format                          | J. Moringen | 10/16/2017 09:23 PM | ROSBag backend     | 60     |
| 2149 | Enhancement | Feedback    | Normal   | Provide simple API to programmatically set preferred converters |             | 10/16/2017 09:23 PM | C++                | 70     |
| 432  | Tasks       | Feedback    | Normal   | Logo Design   |             | 01/08/2016 01:02 PM | Marketing          | 70     |
| 1839 | Feature     | In Progress | Normal   | Reference documentation in conditions                           | J. Moringen | 10/16/2017 09:22 PM | Common Lisp        | 70     |
| 1139 | Feature     | In Progress | Normal   | Reference documentation in error reports                        |             | 10/16/2017 09:22 PM | Documentation      | 70     |
| 286  | Enhancement | In Progress | Normal   | Introspectable Configuration Options [C++]                      | J. Moringen | 10/16/2017 09:22 PM | C++                | 80     |
| 378  | Enhancement | In Progress | Normal   | Support URIs for Participant Configuration                      | R. Haschke  | 04/24/2015 05:38 PM | C++                | 80     |
| 2041 | Enhancement | Feedback    | Normal   | merge URI spec into ParticipantConfig                           |             | 04/24/2015 05:38 PM | C++                | 80     |
| 2051 | Feature     | In Progress | Normal   | Qt-based graphical event logger                                 | R. Haschke  | 04/24/2015 05:38 PM | C++ Tools          | 80     |
| 485  | Bug         | In Progress | Normal   | Converters for Fundamental Types are not Implemented [Java]     | J. Moringen | 10/10/2017 06:21 PM | Java               | 80     |
| 2066 | Enhancement | Feedback    | Normal   | added WireSchemaFilter + FilterCombination                      |             | 10/24/2014 04:13 PM | C++                | 90     |
| 2743 | Tasks       | In Progress | Normal   | Release version 0.18  | J. Moringen | 02/07/2019 11:54 AM | Release Management | 90     |
| 2555 | Feature     | In Progress | Normal   | Allow easy debugging of RSB configuration                       | J. Moringen | 10/16/2017 09:23 PM | Configuration      | 90     |
| 351  | Enhancement | New         | Urgent   | Revise Converter Selection Mechanism                            |             | 10/16/2017 09:22 PM |                    | 100    |