

## Issues

| #    | Project        | Tracker | Status      | Priority | Subject   | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|-------------|----------|---|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 2135 | z2-Environment | Bug     | Resolved    | Normal   | Admin web server stats fails with conversion error  | Henning Blohm | Henning Blohm | 15.05.2023 21:25 | z2-base         | 2.10           |                | 0.00       | 12.01.2022 14:39 |        |
| 2173 | z2-Environment | Bug     | New         | Normal   | All exceptions thrown in class Z2JupiterTestServlet should be logged                                    | Jonas Bassl   | Henning Blohm | 08.03.2024 10:33 | z2-dev-utils    | 2.11           |                | 0.00       | 07.03.2024 16:07 |        |
| 2161 | z2-Environment | Bug     | In Progress | Normal   | Application Threadpool gets confused on interruption  | Henning Blohm | Henning Blohm | 23.01.2024 11:39 | z2-core         | 2.11           |                | 0.00       | 02.01.2024 14:22 |        |
| 2040 | z2-Environment | Bug     | Resolved    | Urgent   | ApplicationThreadpool does not suspend the current workunit when dispatching work to the calling thread | Henning Blohm | Henning Blohm | 07.10.2019 11:07 | z2-core         | 2.8            |                | 0.00       | 12.09.2019 18:07 |        |
| 1910 | z2-Environment | Bug     | Resolved    | Urgent   | AspectJCompiler failing when gen folder also in aspectpath  | Henning Blohm | Henning Blohm | 08.09.2015 09:54 | z2-addon-spring | 2.3.1          |                | 0.00       | 11.07.2015 19:47 |        |
| 2137 | z2-Environment | Bug     | Resolved    | Urgent   | Bad invalidation of good resource in concurrency situation  | Henning Blohm | Henning Blohm | 14.05.2023 18:39 | z2-core         | 2.10           |                | 0.00       | 02.08.2022 15:46 |        |
| 905  | z2-Environment | Bug     | Closed      | Normal   | Broken Pipe IOException when gateway terminates worker  | Henning Blohm | Henning Blohm | 24.09.2012 18:32 | z2-base         | 2.1            |                | 0.00       | 18.09.2012 13:42 |        |
| 2019 | z2-Environment | Bug     | Resolved    | Normal   | Built-in Javadoc generation not working anymore   | Henning Blohm | Henning Blohm | 15.09.2018 13:56 | z2-base         | 2.6            |                | 0.00       | 09.09.2018 18:00 |        |
| 2014 | z2-Environment | Bug     | Resolved    | Urgent   | Built-in Threadpool does not decrease current concurrency when task throws exception                    | Henning Blohm | Henning Blohm | 25.07.2018 23:44 | z2-core         | 2.6            |                | 0.00       | 20.07.2018 17:17 |        |
| 858  | z2-Environment | Bug     | Closed      | High     | Cannot add repo in armed environment  | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core         |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 906  | z2-Environment | Bug     | Closed      | Low      | Cannot start Web App from within a Web App  | Henning Blohm | Henning Blohm | 29.06.2013 23:07 | z2-base         | 2.2            |                | 0.00       | 20.09.2012 10:24 |        |
| 2069 | z2-Environment | Bug     | Resolved    | Normal   | Checking out FETCH_HEAD leads to unexpected results in case of only new tags                            | Henning Blohm | Henning Blohm | 17.06.2020 09:55 | z2-core         | 2.9            |                | 0.00       | 05.05.2020 09:59 |        |
| 1571 | z2-Environment | Bug     | Resolved    | Normal   | com.zfabrik.boot.svnaccess misses antlr lib   | Henning Blohm | Henning Blohm | 08.09.2015 10:03 | z2-core         | 2.3            |                | 0.00       | 20.11.2013 17:36 |        |
| 2077 | z2-Environment | Bug     | Resolved    | Normal   | com.zfabrik.db.data connections are not enlisted with JTA but workunit                                  | Henning Blohm | Henning Blohm | 10.03.2021 15:39 | z2-base         | 2.9            |                | 0.00       | 13.08.2020 18:35 |        |
| 909  | z2-Environment | Bug     | Closed      | High     | com.zfabrik.impl.gitcr.GitComponent RepositoryImpl.scan() invoke two times during sync                  | Udo Offermann | Henning Blohm | 04.10.2012 09:19 | z2-core         |                |                | 0.00       | 24.09.2012 16:05 |        |
| 1450 | z2-Environment | Bug     | Closed      | Normal   | com.zfabrik.jta prematurely closes work unit in rollback  | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-base         | 2.2            |                | 0.00       | 18.07.2013 12:22 |        |

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| 983  | z2-Environment | Bug     | Closed   | High     | ComponentClassLoader does not retrieve folder in Jar w/o trailing slash             | Henning Blohm | Henning Blohm | 01.03.2013 14:19 | z2-core                 | 2.2            |                | 0.00       | 01.03.2013 13:12 |        |
| 1928 | z2-Environment | Bug     | Resolved | Normal   | ComponentFactoryBean may keep null instance as valid value                          | Henning Blohm | Henning Blohm | 15.10.2015 09:42 | z2-addon-spring         | 2.4            |                | 0.00       | 07.10.2015 13:34 |        |
| 2055 | z2-Environment | Bug     | Resolved | Normal   | Config file runtime.properties overwrites system properties                         | Henning Blohm | Henning Blohm | 20.02.2020 22:37 | z2-core                 | 2.8            |                | 0.00       | 20.02.2020 22:27 |        |
| 2044 | z2-Environment | Bug     | Resolved | Urgent   | Cycle Protector Check to aggressively   | Henning Blohm | Henning Blohm | 15.02.2020 15:53 | z2-core                 | 2.8            |                | 0.00       | 27.10.2019 19:16 |        |
| 2071 | z2-Environment | Bug     | Resolved | Normal   | DataSourceResource not to commit autoCommit connection                              | Henning Blohm | Henning Blohm | 11.03.2021 18:09 | z2-base                 | 2.9            |                | 0.00       | 19.05.2020 16:12 |        |
| 2126 | z2-Environment | Bug     | Rejected | High     | Deadlock in Component Building  | Henning Blohm | Henning Blohm | 15.05.2023 21:42 | z2-core                 | 2.10           |                | 0.00       | 29.11.2021 18:53 |        |
| 1529 | z2-Environment | Bug     | Resolved | Normal   | dependency recompile removing non-regenerated resources                             | Henning Blohm | Henning Blohm | 08.09.2015 10:03 | z2-core                 | 2.3            |                | 0.00       | 06.10.2013 10:33 |        |
| 891  | z2-Environment | Bug     | Closed   | High     | Dev Repo Location system property not evaluated anymore                             | Henning Blohm | Henning Blohm | 24.09.2012 18:33 | z2-base                 | 2.1            |                | 0.00       | 06.09.2012 17:24 |        |
| 824  | z2-Environment | Bug     | Rejected | Normal   | Dev Repository doesn't notice file move   | Udo Offermann | Henning Blohm | 13.09.2012 09:41 | z2-base                 |                |                | 0.00       | 23.07.2012 17:22 | trac   |
| 2144 | z2-Environment | Bug     | Resolved | Normal   | Downport of #2143   | Henning Blohm | Henning Blohm | 12.12.2022 16:53 | z2-core                 | 2.10           |                | 0.00       | 12.12.2022 16:52 |        |
| 2147 | z2-Environment | Bug     | Resolved | Normal   | Downport of #2146   | Henning Blohm | Henning Blohm | 19.12.2022 15:19 | z2-base                 | 2.10           |                | 0.00       | 19.12.2022 15:16 |        |
| 2074 | z2-Environment | Bug     | Resolved | High     | Dynamic property resolution not repeated at next startup                            | Henning Blohm | Henning Blohm | 16.03.2021 22:26 | z2-core                 | 2.9            |                | 0.00       | 17.06.2020 17:22 |        |
| 1957 | z2-Environment | Bug     | Resolved | High     | ECJ 4.4.1 is too outdated and has some serious flaws                                | Henning Blohm | Henning Blohm | 09.04.2017 19:53 | z2-core                 | 2.5            |                | 0.00       | 26.09.2016 13:25 |        |
| 922  | z2-Environment | Bug     | Closed   | Urgent   | Eclipsoid component is not started when some other web app fails                    | Udo Offermann | Henning Blohm | 20.07.2013 11:34 | z2-core                 | 2.2            |                | 0.00       | 28.09.2012 16:14 |        |
| 2095 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid creates bad folder "src.tests"  | Henning Blohm | Henning Blohm | 11.07.2021 16:27 | z2-base-tools-eclipsoid | 2.9            |                | 0.00       | 17.06.2021 15:57 |        |
| 1727 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid libs not exported in eclipse  | Henning Blohm | Henning Blohm | 05.05.2014 21:40 | z2-base-tools-eclipsoid | 2.3            |                | 0.00       | 01.05.2014 16:54 |        |
| 837  | z2-Environment | Bug     | Closed   | High     | Eclipsoid: Only showing in Java perspective   | Udo Offermann | Henning Blohm | 23.07.2012 17:22 | z2-base-tools-eclipsoid |                |                | 0.00       | 23.07.2012 17:22 | trac   |
| 864  | z2-Environment | Bug     | Closed   | High     | Even if UUID didn't changed, SVNCR reports: Found changed subversion UUID for repo. | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core                 |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 1491 | z2-Environment | Bug     | Resolved | Normal   | Every Java-Re-compile must lead to new Java component revision                      | Henning Blohm | Henning Blohm | 06.02.2019 07:47 | z2-core                 | 2.7            |                | 0.00       | 29.08.2013 17:45 |        |

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| 2025 | z2-Environment | Bug     | Resolved | Urgent   | Expiration List in ExpirableValuePseudoMap broken   | Henning Blohm | Henning Blohm | 31.12.2018 11:56 | z2-core  | 2.7            |                | 0.00       | 02.12.2018 10:11 |        |
| 1954 | z2-Environment | Bug     | Rejected | Normal   | File system search depth for components does not work in GitCR  | Henning Blohm | Henning Blohm | 23.05.2017 23:20 | z2-core  | 2.5            |                | 0.00       | 25.07.2016 11:15 |        |
| 1939 | z2-Environment | Bug     | Resolved | Normal   | Folder renaming leads to broken SVN JavaHL access   | Henning Blohm | Henning Blohm | 25.01.2016 15:10 | z2-core  |                |                | 0.00       | 25.01.2016 13:06 |        |
| 1965 | z2-Environment | Bug     | Resolved | Normal   | git cr not supporting tags  | Henning Blohm | Henning Blohm | 15.05.2017 20:07 | z2-core  | 2.5            |                | 0.00       | 14.02.2017 13:42 |        |
| 2073 | z2-Environment | Bug     | Resolved | Normal   | Git locks may be left after crash and prevent update operation on z2 sync or startup                                  | Henning Blohm | Henning Blohm | 11.07.2021 11:49 | z2-core  | 2.9            |                | 0.00       | 17.06.2020 10:07 |        |
| 2133 | z2-Environment | Bug     | Resolved | Normal   | GitCR ignoring offline mode for initial clone   | Henning Blohm | Henning Blohm | 15.05.2023 22:07 | z2-core  | 2.10           |                | 0.00       | 30.12.2021 21:34 |        |
| 2032 | z2-Environment | Bug     | Resolved | Normal   | gitcr not defaulting to checked out branch if non specified   | Henning Blohm | Henning Blohm | 01.01.2020 23:00 | z2-core  | 2.8            |                | 0.00       | 02.04.2019 12:48 |        |
| 2138 | z2-Environment | Bug     | Resolved | Normal   | GitCr not recognizing change of components when switching roots and finding the same modules with the same timestamps | Henning Blohm | Henning Blohm | 18.08.2022 16:10 | z2-core  | 2.9.2          |                | 0.00       | 10.08.2022 11:53 |        |
| 2030 | z2-Environment | Bug     | Resolved | High     | GitCr swallows exception in failing checkout  | Henning Blohm | Henning Blohm | 17.02.2019 19:29 | z2-core  | 2.7            |                | 0.00       | 12.02.2019 15:54 |        |
| 1030 | z2-Environment | Bug     | Closed   | Normal   | Groovy add-on: Not working under Java 7   | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-addon | 2.2            |                | 0.00       | 12.04.2013 10:20 |        |
| 1042 | z2-Environment | Bug     | Closed   | Normal   | GroovyServlet using wrong class loader  | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-addon | 2.2            |                | 0.00       | 28.04.2013 11:22 |        |
| 967  | z2-Environment | Bug     | Closed   | High     | Home Verify triggers repo scan in AbstractComponentRespository  | Henning Blohm | Henning Blohm | 11.03.2013 22:31 | z2-core  | 2.2            |                | 0.00       | 07.01.2013 11:58 |        |
| 870  | z2-Environment | Bug     | Closed   | High     | Implement Jar File cache  | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core  |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 2096 | z2-Environment | Bug     | Resolved | Urgent   | In rare cases an API jar is missing   | Henning Blohm | Henning Blohm | 30.06.2021 21:34 | z2-core  | 2.9            |                | 0.00       | 29.06.2021 23:22 |        |
| 2097 | z2-Environment | Bug     | Feedback | High     | Java Component Timestamp Dependency Map uses wrong timestamp location on Dependency Check                             | Henning Blohm | Henning Blohm | 25.07.2021 01:01 | z2-core  |                |                | 0.00       | 24.07.2021 00:29 |        |
| 869  | z2-Environment | Bug     | Closed   | Normal   | Java component usage not safe in concurrent home usage  | Udo Offermann | Henning Blohm | 10.06.2018 14:46 | z2-core  | 3.0            |                | 0.00       | 23.07.2012 17:23 | trac   |
| 1038 | z2-Environment | Bug     | Rejected | High     | java.includes should not include sources, only binaries   | Henning Blohm | Henning Blohm | 29.06.2013 23:09 | z2-core  | 2.2            |                | 0.00       | 22.04.2013 09:07 |        |
| 1481 | z2-Environment | Bug     | Resolved | Normal   | java.privateIncludes: changed libraries are not invalidated   | Udo Offermann | Henning Blohm | 30.08.2013 15:50 | z2-core  | 2.3            |                | 0.00       | 13.08.2013 16:13 |        |

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| 1065 | z2-Environment | Bug     | Rejected | Normal    | javadoc compiler does not resolve Z2 cross-refs  | Henning Blohm | Henning Blohm | 02.08.2013 12:45 | z2-base         |                |                | 0.00       | 09.06.2013 11:33 |        |
| 1070 | z2-Environment | Bug     | Closed   | Normal    | javadoc module fails in presence of default package classes                              | Henning Blohm | Henning Blohm | 29.06.2013 23:07 | z2-base         | 2.2            |                | 0.00       | 17.06.2013 17:02 |        |
| 2001 | z2-Environment | Bug     | Resolved | Normal    | Jetty 9.4.x not calling ServletContainerInitializers for Container Jars in Web Apps < 3. | Henning Blohm | Henning Blohm | 19.04.2018 22:53 |                 | 2.6            |                | 0.00       | 18.04.2018 23:20 |        |
| 901  | z2-Environment | Bug     | Closed   | High      | Jetty not configured to use ECJ  | Henning Blohm | Henning Blohm | 18.09.2012 18:05 | z2-base         | 2.1            |                | 0.00       | 13.09.2012 22:40 |        |
| 2033 | z2-Environment | Bug     | Rejected | Normal    | JEXL eval not working for armed modules with repo declarations                           | Henning Blohm | Henning Blohm | 08.04.2019 10:20 | z2-core         | 2.7            |                | 0.00       | 02.04.2019 14:15 |        |
| 1956 | z2-Environment | Bug     | Resolved | Normal    | JTA TransactionImpl not forwarding error in before completion                            | Henning Blohm | Henning Blohm | 25.09.2016 14:54 | z2-base         | 2.5            |                | 0.00       | 23.09.2016 16:39 |        |
| 877  | z2-Environment | Bug     | Closed   | High      | Lacking support of custom Transaction Managers   | Henning Blohm | Henning Blohm | 18.09.2012 18:05 | z2-base         | 2.1            |                | 0.00       | 20.08.2012 17:51 |        |
| 2058 | z2-Environment | Bug     | Resolved | Immediate | Language Level not correctly detected in Java 9 RI                                       | Henning Blohm | Henning Blohm | 08.03.2020 18:09 |                 | 2.8            |                | 0.00       | 08.03.2020 16:34 |        |
| 2158 | z2-Environment | Bug     | New      | Normal    | Log Buffer Capping should still log all content and append newline                       | Henning Blohm | Henning Blohm | 16.11.2023 10:21 | z2-core         | 2.11           |                | 0.00       | 16.11.2023 10:21 |        |
| 2146 | z2-Environment | Bug     | Resolved | High      | Log4j 2 configuration not loaded from environment  | Henning Blohm | Henning Blohm | 19.12.2022 15:17 | z2-base         | 2.9.3          |                | 0.00       | 19.12.2022 15:09 |        |
| 2166 | z2-Environment | Bug     | Feedback | Normal    | Log4j2 configuration from environment not effective.                                     | Henning Blohm | Henning Blohm | 18.04.2024 10:43 | z2-base         | 2.10.1         |                | 0.00       | 30.01.2024 22:51 |        |
| 850  | z2-Environment | Bug     | Closed   | Urgent    | logger component resets file handlers  | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core         |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 2056 | z2-Environment | Bug     | Resolved | Normal    | mode change does not trigger recompile   | Henning Blohm | Henning Blohm | 07.03.2020 19:38 | z2-core         | 2.8            |                | 0.00       | 24.02.2020 17:01 |        |
| 2011 | z2-Environment | Bug     | Resolved | Normal    | MVN-CR ignoring exclusions   | Henning Blohm | Henning Blohm | 16.06.2018 10:49 | z2-base         | 2.6            |                | 0.00       | 15.06.2018 23:19 |        |
| 882  | z2-Environment | Bug     | Closed   | High      | No Workunit present on request thread  | Redmine Admin | Henning Blohm | 24.08.2012 10:05 | z2-base         |                |                | 0.00       | 23.08.2012 11:23 |        |
| 1948 | z2-Environment | Bug     | Resolved | Normal    | NodeFileHandler not rotating log files   | Henning Blohm | Henning Blohm | 27.05.2016 17:41 | z2-core         | 2.5            |                | 0.00       | 27.05.2016 16:37 |        |
| 2018 | z2-Environment | Bug     | Resolved | Urgent    | NPE in Component Classloader   | Henning Blohm | Henning Blohm | 19.02.2019 23:01 | z2-core         | 2.7            |                | 0.00       | 05.09.2018 16:14 |        |
| 896  | z2-Environment | Bug     | Closed   | Urgent    | Problem when starting z2 core for SVN system repository                                  | Henning Blohm | Henning Blohm | 18.09.2012 18:05 | z2-core         | 2.1            |                | 0.00       | 12.09.2012 16:10 |        |
| 2127 | z2-Environment | Bug     | Resolved | Normal    | Race Condition in AspectJCompiler  | Henning Blohm | Henning Blohm | 19.12.2021 23:09 | z2-addon-spring | 2.9.1          |                | 0.00       | 06.12.2021 12:46 |        |

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| 1648 | z2-Environment | Bug     | Resolved    | Normal   | remove duplicate Jackson lib from org.codehaus.jackson module!                | Henning Blohm | Henning Blohm | 11.04.2014 12:00 | z2-base         | 2.3            |                | 0.00       | 05.02.2014 12:32 |        |
| 1966 | z2-Environment | Bug     | Resolved    | Urgent   | Resource Handle clean up failed to remove resource from map                   | Henning Blohm | Henning Blohm | 22.02.2017 14:14 | z2-core         | 2.4.2          |                | 0.00       | 16.02.2017 12:34 |        |
| 881  | z2-Environment | Bug     | Closed      | High     | Resource Impl not dropped when component type has changed                     | Henning Blohm | Henning Blohm | 26.08.2012 13:40 | z2-core         | 2.1            |                | 0.00       | 21.08.2012 18:11 |        |
| 1027 | z2-Environment | Bug     | Closed      | Normal   | Running MR job on /mt-admin fails   | Udo Offermann | Henning Blohm | 29.06.2013 23:07 | z2-addon-hadoop |                |                | 0.00       | 09.04.2013 17:25 |        |
| 900  | z2-Environment | Bug     | Closed      | High     | Sample-spring-basic doesn't work on Windows                                   | Henning Blohm | Henning Blohm | 24.09.2012 18:32 | z2-samples      | 2.1            |                | 0.00       | 13.09.2012 17:53 |        |
| 1634 | z2-Environment | Bug     | Rejected    | Normal   | Servlet 3.0 Annotations @WebServlet not working                               | Udo Offermann | Henning Blohm | 23.09.2021 14:02 | z2-base         |                |                | 0.00       | 09.01.2014 11:17 |        |
| 2134 | z2-Environment | Bug     | Resolved    | Normal   | Spring Addon not identifying Class loader of application context in all cases | Henning Blohm | Henning Blohm | 07.12.2022 13:23 |                 | 2.10           |                | 0.00       | 12.01.2022 10:50 |        |
| 1044 | z2-Environment | Bug     | Closed      | Normal   | Spring ComponentFactoryBean uses wrong class loader                           | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-addon-spring | 2.2            |                | 0.00       | 04.05.2013 23:12 |        |
| 1975 | z2-Environment | Bug     | Resolved    | High     | Spring Context Factory Bean is not supporting prototype-scoped beans.         | Henning Blohm | Henning Blohm | 12.08.2018 18:48 | z2-addon-spring | 2.6            |                | 0.00       | 30.06.2017 11:45 |        |
| 868  | z2-Environment | Bug     | Rejected    | Urgent   | Support enlist=JTA in Z2 Data Source  | Udo Offermann | Henning Blohm | 22.08.2012 11:09 | z2-core         | 2.1            |                | 0.00       | 23.07.2012 17:23 | trac   |
| 1959 | z2-Environment | Bug     | Resolved    | High     | SVNCR attempting connect even in offline mode                                 | Henning Blohm | Henning Blohm | 23.05.2017 23:25 | z2-core         | 2.5            |                | 0.00       | 06.12.2016 13:36 |        |
| 1949 | z2-Environment | Bug     | Resolved    | Normal   | SVNCR not detecting changes in mixed case host name scenarios                 | Henning Blohm | Henning Blohm | 03.06.2016 15:40 | z2-core         | 2.4+           |                | 0.00       | 01.06.2016 13:17 |        |
| 2062 | z2-Environment | Bug     | New         | Normal   | Sync not completing correctly when repo definition itself is updated.         | Henning Blohm | Henning Blohm | 11.10.2022 21:56 | z2-core         | 2.11           |                | 0.00       | 22.04.2020 16:49 |        |
| 1019 | z2-Environment | Bug     | Closed      | High     | Synchronization throws exceptions without home layout                         | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-base         | 2.2            |                | 0.00       | 29.03.2013 15:07 |        |
| 863  | z2-Environment | Bug     | Closed      | High     | System state participation not loaded if dependencies failed                  | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core         |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 2172 | z2-Environment | Bug     | In Progress | Urgent   | Transaction prematurely removed from workunit                                 | Henning Blohm | Henning Blohm | 03.03.2024 17:43 | z2-base         | 2.11           |                | 0.00       | 03.03.2024 17:34 |        |
| 1938 | z2-Environment | Bug     | Resolved    | Normal   | Transport tool broken since 2.4   | Henning Blohm | Henning Blohm | 25.01.2016 16:24 | z2-base         |                |                | 0.00       | 25.01.2016 12:39 |        |
| 1880 | z2-Environment | Bug     | Resolved    | Normal   | trunk broken  | Henning Blohm | Henning Blohm | 01.02.2015 20:22 | z2-base         |                |                | 0.00       | 01.02.2015 19:41 |        |
| 2076 | z2-Environment | Bug     | Resolved    | Normal   | Typo in WorkManager   | Henning Blohm | Henning Blohm | 10.03.2021 16:48 | z2-core         | 2.9            |                | 0.00       | 14.07.2020 16:35 |        |

| #    | Project        | Tracker | Status   | Priority  | Subject   | Author        | Assignee      | Updated          | Category   | Target version | Estimated time | Spent time | Created          | origin |
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| 1453 | z2-Environment | Bug     | Resolved | Normal    | Unable to process recursive tag files   | Udo Offermann | Henning Blohm | 09.08.2013 18:35 | z2-base    | 2.2            |                | 0.00       | 23.07.2013 10:07 |        |
| 865  | z2-Environment | Bug     | Closed   | High      | Unnecessary re-compilation of java components   | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core    |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 2128 | z2-Environment | Bug     | Resolved | Urgent    | Upgrade log4j   | Henning Blohm | Henning Blohm | 19.12.2021 23:11 | z2-core    | 2.9.1          |                | 0.00       | 12.12.2021 21:34 |        |
| 2047 | z2-Environment | Bug     | Resolved | Normal    | Use of as(TypeRef) broken   | Henning Blohm | Henning Blohm | 29.12.2019 13:34 | z2-core    | 2.8            |                | 0.00       | 10.11.2019 20:46 |        |
| 1455 | z2-Environment | Bug     | Closed   | Normal    | Vaadin Extensions: Same prio overwrites component   | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-addon   | 2.2            |                | 0.00       | 23.07.2013 12:09 |        |
| 2100 | z2-Environment | Bug     | Resolved | Normal    | Web App resources not cleaned up on failed start  | Henning Blohm | Henning Blohm | 12.10.2021 18:00 | z2-base    | 2.5.7          |                | 0.00       | 06.09.2021 15:47 |        |
| 2110 | z2-Environment | Bug     | Resolved | High      | WebApp Context may not be cleaned up upon unsuccessful start                                  | Henning Blohm | Henning Blohm | 12.10.2021 18:01 |            | 2.9b           |                | 0.00       | 23.09.2021 14:06 |        |
| 883  | z2-Environment | Bug     | Closed   | High      | webWorkerUp stops starting webapps if one webapp fails  | Udo Offermann | Henning Blohm | 03.09.2012 17:29 | z2-core    |                |                | 0.00       | 24.08.2012 09:45 |        |
| 1443 | z2-Environment | Bug     | Closed   | Normal    | Worker Process Variant Counting problem   | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-base    | 2.2            |                | 0.00       | 05.07.2013 11:05 |        |
| 1963 | z2-Environment | Bug     | Resolved | Normal    | Workerprocess handling has still problems with blanks in params                               | Henning Blohm | Henning Blohm | 12.03.2017 21:13 | z2-base    | 2.5            |                | 0.00       | 20.01.2017 08:41 |        |
| 889  | z2-Environment | Bug     | Closed   | High      | WorkerSoul reads target states list before attaining worker_up                                | Henning Blohm | Henning Blohm | 18.09.2012 18:05 | z2-base    | 2.1            |                | 0.00       | 03.09.2012 15:39 |        |
| 1692 | z2-Environment | Bug     | Resolved | Urgent    | Workunit fails with concurrent modification error when resource registers in beforeCompletion | Henning Blohm | Henning Blohm | 13.03.2014 10:46 | z2-core    | 2.3            |                | 0.00       | 12.03.2014 17:35 |        |
| 1945 | z2-Environment | Bug     | Resolved | Normal    | Wrong revision used when scanning components of new SVN branch                                | Henning Blohm | Henning Blohm | 27.02.2016 16:31 | z2-core    | 2.5            |                | 0.00       | 26.02.2016 21:55 |        |
| 2143 | z2-Environment | Bug     | Resolved | Urgent    | Z2 Component Classloading not overwriting Java 9 module based findClass.                      | Henning Blohm | Henning Blohm | 12.12.2022 16:53 | z2-core    | 2.9.3          |                | 0.00       | 12.12.2022 15:46 |        |
| 1066 | z2-Environment | Bug     | Closed   | High      | z2 core when started embedded does not resolve JNDI lookups for components                    | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-core    |                |                | 0.00       | 12.06.2013 11:46 |        |
| 856  | z2-Environment | Bug     | Rejected | Immediate | z2 jar creation creates corrupted zip in rare cases   | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core    |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 2068 | z2-Environment | Bug     | Resolved | Normal    | z2 use of JDT compiler does not support upper-case package names.                             | Henning Blohm | Henning Blohm | 11.03.2021 21:37 | z2-core    | 2.9            |                | 0.00       | 04.05.2020 13:45 |        |
| 959  | z2-Environment | Bug     | Closed   | Normal    | z2-samples.cd4h-base has conflicting project identifier                                       | Udo Offermann | Henning Blohm | 11.03.2013 22:31 | z2-samples |                |                | 0.00       | 11.12.2012 17:08 |        |

| #    | Project        | Tracker | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|--|---------------|---------------|------------------|----------|----------------|----------------|------------|------------------|--------|
| 2122 | z2-Environment | Bug     | Resolved | Normal   | Z2Jupiter dependency configuration in Annotation not enforced                    | Henning Blohm | Henning Blohm | 28.11.2021 17:34 | z2-base  | 2.9.1          |                | 0.00       | 14.11.2021 10:42 |        |
| 1971 | z2-Environment | Bug     | Resolved | Normal   | z2unit TestExecutor filtering out all tests when used with Parameterized runner  | Henning Blohm | Henning Blohm | 16.04.2017 18:33 | z2-base  | 2.5            |                | 0.00       | 12.04.2017 13:12 |        |
| 1074 | z2-Environment | Bug     | Closed   | Normal   | z2UnitTest annotation not inherited  | Henning Blohm | Henning Blohm | 29.06.2013 23:07 | z2-base  | 2.2            |                | 0.00       | 21.06.2013 10:10 |        |
| 1890 | z2-Environment | Bug     | Resolved | High     | AbstractComponentRepo stores absolute path of location                           | Henning Blohm | Henning Blohm | 19.04.2015 22:38 | z2env    | 3.0            | 2.00           | 0.00       | 25.03.2015 16:20 |        |
| 1946 | z2-Environment | Bug     | Resolved | Normal   | Z2UnitTestRunner absorbs InitializationError from org.junit.runners.ParentRunner | Udo Offermann | Henning Blohm | 17.04.2017 16:58 | z2-base  | 2.5            | 2.00           | 0.00       | 23.03.2016 14:10 |        |
| 1894 | z2-Environment | Feature | Resolved | Normal   | 3.0 build should not overwrite shell scripts or remove repositories when copying | Henning Blohm | Henning Blohm | 14.04.2015 00:36 | z2env    | 3.0            |                | 0.00       | 12.04.2015 16:42 |        |
| 2102 | z2-Environment | Feature | Resolved | Normal   | Add JMX Log-Level Counter (analog to Hadoop)                                     | Udo Offermann | Henning Blohm | 07.11.2021 15:23 | z2-base  | 2.5.7          |                | 0.00       | 13.09.2021 15:29 |        |
| 1052 | z2-Environment | Feature | Closed   | Normal   | Add prepare annotation for z2Unit  | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-base  |                |                | 0.00       | 07.05.2013 21:09 |        |
| 1028 | z2-Environment | Feature | Closed   | Normal   | Allow custom JUnit Runners in Z2Unit   | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-base  | 2.2            |                | 0.00       | 12.04.2013 09:30 |        |
| 888  | z2-Environment | Feature | Closed   | Normal   | Component repositories should issue a warning when noticing duplicate components | Henning Blohm | Henning Blohm | 18.09.2012 18:05 | z2-core  | 2.1            |                | 0.00       | 03.09.2012 11:26 |        |
| 894  | z2-Environment | Feature | Closed   | Normal   | Component Repositories to provide on module level not component level            | Henning Blohm | Henning Blohm | 24.09.2012 18:32 | z2-core  | 2.1            |                | 0.00       | 08.09.2012 10:42 |        |
| 871  | z2-Environment | Feature | Rejected | High     | Component Type default to "any" component  | Udo Offermann | Henning Blohm | 27.07.2012 16:08 | z2-core  |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 1083 | z2-Environment | Feature | Closed   | Normal   | Describe Vaadin Addon in some more detail  | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-addon | 2.2            |                | 0.00       | 30.06.2013 00:15 |        |
| 887  | z2-Environment | Feature | Rejected | Normal   | Dev Repo should issue a warning when finding duplicate modules                   | Henning Blohm | Henning Blohm | 10.09.2012 15:00 | z2-base  | 2.1            |                | 0.00       | 03.09.2012 11:23 |        |
| 2109 | z2-Environment | Feature | Resolved | Normal   | Evaluate Java 8 supporting port of v2.9  | Henning Blohm | Henning Blohm | 12.10.2021 18:02 |          | 2.9b           |                | 0.00       | 23.09.2021 13:52 |        |
| 2118 | z2-Environment | Feature | New      | Normal   | Expose Webapp Response Times via JMX   | Udo Offermann | Henning Blohm | 25.10.2021 09:36 |          |                |                | 0.00       | 25.10.2021 09:36 |        |
| 963  | z2-Environment | Feature | Closed   | Normal   | GUI improvements   | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-core  | 2.2            |                | 0.00       | 29.12.2012 22:43 |        |
| 886  | z2-Environment | Feature | Closed   | Normal   | Implement JTA invocation logging   | Henning Blohm | Henning Blohm | 03.09.2012 17:29 | z2-base  | 2.1            |                | 0.00       | 28.08.2012 10:59 |        |

| #    | Project        | Tracker | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|---|---------------|---------------|------------------|----------|----------------|----------------|------------|------------------|--------|
| 2046 | z2-Environment | Feature | Resolved | Normal   | Improve and publish Z2 library usage  | Henning Blohm | Henning Blohm | 29.12.2019 13:35 |          | 2.8            |                | 0.00       | 10.11.2019 14:25 |        |
| 2099 | z2-Environment | Feature | Resolved | Normal   | Improve JavaDoc Usability   | Henning Blohm | Henning Blohm | 07.11.2021 13:38 | z2-base  | 2.9.1b         |                | 0.00       | 27.08.2021 11:41 |        |
| 2120 | z2-Environment | Feature | Resolved | Normal   | Integrate #2099, #2102, #2103, #2104, #2113, #2114, #2115, #2116, #2117 with 2.9.1  | Henning Blohm | Henning Blohm | 29.12.2021 18:14 | z2-base  | 2.9.1          |                | 0.00       | 07.11.2021 13:40 |        |
| 2003 | z2-Environment | Feature | Resolved | Normal   | Introduce (symbolic) component link and break up environment  | Henning Blohm | Henning Blohm | 14.08.2018 09:47 | z2-core  | 2.6            |                | 0.00       | 06.05.2018 23:25 |        |
| 1991 | z2-Environment | Feature | Resolved | Normal   | Java 9 Support  | Henning Blohm | Henning Blohm | 17.09.2018 10:39 | z2-core  | 2.6            |                | 0.00       | 01.01.2018 14:41 |        |
| 874  | z2-Environment | Feature | Closed   | Normal   | Make sure dev repo comes right after base   | Udo Offermann | Henning Blohm | 06.08.2012 10:47 | z2-core  |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 1893 | z2-Environment | Feature | New      | Normal   | Port reference documentation  | Henning Blohm | Henning Blohm | 15.04.2017 13:32 | z2env    | 3.0            |                | 0.00       | 12.04.2015 16:34 |        |
| 1980 | z2-Environment | Feature | Resolved | Normal   | Port roots repo from z2 v3.0  | Henning Blohm | Henning Blohm | 26.09.2018 21:43 | z2-core  | 2.6            |                | 0.00       | 02.09.2017 23:27 |        |
| 1979 | z2-Environment | Feature | Resolved | Normal   | Port the relative file system repo from v3.0.   | Henning Blohm | Henning Blohm | 01.09.2018 21:34 | z2-core  | 2.6            |                | 0.00       | 02.09.2017 23:26 |        |
| 1973 | z2-Environment | Feature | Resolved | Normal   | Prepare 2.5 release   | Henning Blohm | Henning Blohm | 11.06.2017 10:56 | z2-base  | 2.5            |                | 0.00       | 03.06.2017 23:01 |        |
| 2098 | z2-Environment | Feature | Resolved | Normal   | Provide a Whitelisting Filter Handler in Jetty Configuration to limit access to Web Applications for non-localhost access | Henning Blohm | Henning Blohm | 15.08.2021 20:09 |          | 2.9            |                | 0.00       | 15.08.2021 13:11 |        |
| 2103 | z2-Environment | Feature | Resolved | Normal   | Provide read-only web access to JMX   | Udo Offermann | Henning Blohm | 07.11.2021 15:23 | z2-base  | 2.9.1b         |                | 0.00       | 13.09.2021 15:37 |        |
| 2041 | z2-Environment | Feature | Rejected | Normal   | Real Remote Development - backend   | Henning Blohm | Henning Blohm | 09.12.2019 10:25 | z2-base  | 2.8            |                | 0.00       | 13.10.2019 17:18 |        |
| 2163 | z2-Environment | Feature | Resolved | Normal   | Release 2.9.5   | Henning Blohm | Henning Blohm | 23.01.2024 13:01 | z2-core  | 2.9.5          |                | 0.00       | 23.01.2024 12:13 |        |
| 2152 | z2-Environment | Feature | Resolved | Normal   | Release v2.10   | Henning Blohm | Henning Blohm | 18.06.2023 18:42 |          | 2.10           |                | 0.00       | 26.02.2023 22:12 |        |
| 2093 | z2-Environment | Feature | Resolved | Normal   | Release v2.9  | Henning Blohm | Henning Blohm | 07.09.2021 20:13 |          | 2.9            |                | 0.00       | 23.03.2021 16:35 |        |
| 2121 | z2-Environment | Feature | Resolved | Normal   | Release v2.9.1  | Henning Blohm | Henning Blohm | 17.01.2022 09:00 |          | 2.9.1          |                | 0.00       | 07.11.2021 15:37 |        |
| 2131 | z2-Environment | Feature | Resolved | Normal   | Release v2.9.1b   | Henning Blohm | Henning Blohm | 27.07.2023 17:00 | z2-core  | 2.9.1b         |                | 0.00       | 20.12.2021 18:53 |        |



| #    | Project        | Tracker | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|---|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 2112 | z2-Environment | Feature | Resolved | Normal   | Release v2.9b   | Henning Blohm | Henning Blohm | 12.10.2021 18:02 |                 | 2.9b           |                | 0.00       | 12.10.2021 16:57 |        |
| 1981 | z2-Environment | Feature | Resolved | Normal   | Remove HomeLayout approach and make worker processes simple dependency components | Henning Blohm | Henning Blohm | 17.03.2019 18:48 | z2-base         | 2.7            |                | 0.00       | 02.09.2017 23:31 |        |
| 1977 | z2-Environment | Feature | Resolved | Normal   | Support and document use of Java 9  | Henning Blohm | Henning Blohm | 14.05.2018 15:34 | z2-core         | 2.6            |                | 0.00       | 29.08.2017 17:16 |        |
| 964  | z2-Environment | Feature | Rejected | Normal   | Support embedded Z2Unit test runner   | Henning Blohm | Henning Blohm | 23.09.2021 14:03 | z2-base         |                |                | 0.00       | 02.01.2013 11:09 |        |
| 2038 | z2-Environment | Feature | Resolved | Normal   | Support git default branch  | Henning Blohm | Henning Blohm | 20.02.2020 20:54 | z2-core         | 2.8            |                | 0.00       | 08.07.2019 16:22 |        |
| 1992 | z2-Environment | Feature | Resolved | Normal   | Support Java 9 Language Level   | Henning Blohm | Henning Blohm | 21.04.2018 23:01 | z2-core         | 2.6            |                | 0.00       | 01.01.2018 14:42 |        |
| 1978 | z2-Environment | Feature | Closed   | Normal   | Support Java 9 module system  | Henning Blohm | Henning Blohm | 06.05.2018 19:47 | z2-core         | 2.6            |                | 0.00       | 02.09.2017 23:22 |        |
| 907  | z2-Environment | Feature | Closed   | High     | Support JDBC drivers from other modules than com.zfabrik.db.drivers               | Henning Blohm | Henning Blohm | 04.10.2012 09:19 |                 | 2.1            |                | 0.00       | 22.09.2012 15:30 |        |
| 866  | z2-Environment | Feature | Closed   | High     | Support Main Program components without requiring a Resource implementation       | Udo Offermann | Henning Blohm | 23.07.2012 17:23 | z2-core         |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 885  | z2-Environment | Feature | Rejected | Normal   | Support more DataSource flags w.r.t JTA   | Henning Blohm | Henning Blohm | 08.09.2012 10:48 | z2-base         | 2.1            |                | 0.00       | 27.08.2012 16:15 |        |
| 841  | z2-Environment | Feature | Closed   | Normal   | support pure configuration components without type                                | Udo Offermann | Henning Blohm | 02.08.2012 19:24 | z2-core         |                |                | 0.00       | 23.07.2012 17:22 | trac   |
| 2007 | z2-Environment | Feature | Resolved | Normal   | Update deployment model   | Henning Blohm | Henning Blohm | 17.09.2018 10:39 | z2-core         | 2.6            |                | 0.00       | 31.05.2018 20:03 |        |
| 2009 | z2-Environment | Feature | Resolved | Normal   | Update samples to v2.6 version  | Henning Blohm | Henning Blohm | 17.09.2018 10:39 | z2-samples      | 2.6            |                | 0.00       | 13.06.2018 22:22 |        |
| 890  | z2-Environment | Feature | Closed   | Normal   | Upgrade Spring version in z2-addons.spring  | Henning Blohm | Henning Blohm | 24.09.2012 18:33 | z2-addon-spring | 2.1            |                | 0.00       | 06.09.2012 11:30 |        |
| 861  | z2-Environment | Feature | Closed   | Urgent   | Upgrade to Jetty 7  | Udo Offermann | Henning Blohm | 20.08.2012 17:30 | z2-base         |                |                | 0.00       | 23.07.2012 17:23 | trac   |
| 1993 | z2-Environment | Feature | Resolved | Normal   | Upgrade to Jetty 9.4.8  | Henning Blohm | Henning Blohm | 06.05.2018 19:48 |                 | 2.6            |                | 0.00       | 01.01.2018 15:15 |        |
| 2101 | z2-Environment | Feature | New      | Normal   | Z2-Info Pane as z2 webapp   | Udo Offermann | Henning Blohm | 11.10.2022 21:57 | z2-base         | 2.11           |                | 0.00       | 13.09.2021 14:14 |        |
| 1950 | z2-Environment | Feature | Resolved | Normal   | Z2Unit-TestExecutor should support Junit suites and Parameterized tests           | Udo Offermann | Henning Blohm | 03.12.2017 10:28 | z2-base         | 2.6            |                | 0.00       | 20.06.2016 11:24 |        |
| 970  | z2-Environment | Feature | Closed   | Normal   | Add Groovy Support  | Udo Offermann | Henning Blohm | 29.06.2013 23:07 |                 | 2.2            | 16.00          | 0.00       | 07.02.2013 20:08 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|--|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 982  | z2-Environment | Feature     | Closed   | Normal   | DB worker node   | Udo Offermann | Henning Blohm | 29.06.2013 23:07 | z2-addon        | 2.2            | 24.00          | 0.00       | 01.03.2013 11:48 |        |
| 875  | z2-Environment | Feature     | Closed   | Normal   | Support "Binary Hub" repository  | Henning Blohm | Henning Blohm | 01.03.2013 14:19 | z2-core         | 2.2            | 40.00          | 0.00       | 27.07.2012 11:15 |        |
| 835  | z2-Environment | Support     | Closed   | High     | Trac läuft - bitte testen  | Udo Offermann | Henning Blohm | 23.07.2012 17:22 | z2-core         |                |                | 0.00       | 23.07.2012 17:22 | trac   |
| 2086 | z2-Environment | Improvement | New      | Normal   | Adapt Jakarta EE 9 and Java 16   | Henning Blohm | Henning Blohm | 11.10.2022 21:55 | z2-base         | 2.11           |                | 0.00       | 19.03.2021 18:35 |        |
| 2089 | z2-Environment | Improvement | Resolved | Normal   | Adapt Jetty 10, Jakarta EE 8 and Java 15   | Henning Blohm | Henning Blohm | 18.08.2021 22:57 | z2-base         | 2.9            |                | 0.00       | 23.03.2021 10:50 |        |
| 2017 | z2-Environment | Improvement | Resolved | Urgent   | Adapt new compiler API in Spring Addon and log exception                         | Henning Blohm | Henning Blohm | 09.09.2018 14:55 | z2-addon-spring | 2.6            |                | 0.00       | 04.09.2018 10:05 |        |
| 1620 | z2-Environment | Improvement | Resolved | Normal   | Add a pure properties component type   | Henning Blohm | Henning Blohm | 09.12.2013 11:11 | z2-core         | 2.3            |                | 0.00       | 05.12.2013 11:33 |        |
| 1943 | z2-Environment | Improvement | Resolved | Normal   | Add an offline mode that is switchable in JMX and via the <home> GUI             | Henning Blohm | Henning Blohm | 18.09.2016 17:45 | z2-core         | 2.4.1          |                | 0.00       | 17.02.2016 21:59 |        |
| 2049 | z2-Environment | Improvement | Resolved | Normal   | Add command line for sync, prepare and log download via jmx.                     | Henning Blohm | Henning Blohm | 16.02.2020 22:09 | z2-core         | 2.8            |                | 0.00       | 17.11.2019 21:00 |        |
| 1976 | z2-Environment | Improvement | Resolved | Normal   | Add font scaling options to z2 gui   | Henning Blohm | Henning Blohm | 09.05.2018 08:52 | z2-core         | 2.6            |                | 0.00       | 31.07.2017 21:00 |        |
| 2024 | z2-Environment | Improvement | Resolved | Normal   | Add isOperational() check to IJavaComponentClassLoader                           | Henning Blohm | Henning Blohm | 19.02.2019 22:49 | z2-core         | 2.7            |                | 0.00       | 30.11.2018 09:40 |        |
| 2026 | z2-Environment | Improvement | New      | Normal   | Add more performance logging data  | Henning Blohm | Henning Blohm | 15.05.2023 21:27 | z2-core         | 2.11           |                | 0.00       | 27.12.2018 11:47 |        |
| 2048 | z2-Environment | Improvement | Resolved | Normal   | Add more TransactionUtil and ThreadUtil signatures for better exception handling | Henning Blohm | Henning Blohm | 20.02.2020 20:45 |                 | 2.8            |                | 0.00       | 16.11.2019 15:12 |        |
| 2067 | z2-Environment | Improvement | Resolved | Normal   | Add static lookup utility methods to IComponentsLookup, IComponentsManager etc.  | Henning Blohm | Henning Blohm | 08.06.2023 16:32 | z2-core         | 2.10           |                | 0.00       | 02.05.2020 10:22 |        |
| 1527 | z2-Environment | Improvement | Resolved | Normal   | Add theme selection and font scaling to Z2 GUI                                   | Henning Blohm | Henning Blohm | 12.12.2013 10:37 | z2-core         | 2.3            |                | 0.00       | 28.09.2013 16:52 |        |
| 1997 | z2-Environment | Improvement | Resolved | Normal   | allow custom application icon  | Henning Blohm | Henning Blohm | 10.06.2018 17:05 | z2-core         | 2.6            |                | 0.00       | 11.03.2018 15:11 |        |
| 1964 | z2-Environment | Improvement | Resolved | Normal   | Better handling of non-serializable server-side throwables in Z2UnitTestRunner   | Henning Blohm | Henning Blohm | 17.04.2017 18:32 | z2-base         | 2.5            |                | 0.00       | 27.01.2017 10:28 |        |
| 1532 | z2-Environment | Improvement | Resolved | Normal   | Classloading speed up  | Henning Blohm | Henning Blohm | 08.09.2015 10:03 | z2-core         | 2.3            |                | 0.00       | 12.10.2013 10:48 |        |

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|------|----------------|-------------|------------------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 2149 | z2-Environment | Improvement | New              | Normal   | Clean up the web site and repo structure  | Henning Blohm | Henning Blohm | 28.01.2024 22:53 | z2-base                 | 2.11           |                | 0.00       | 01.01.2023 17:00 |        |
| 2164 | z2-Environment | Improvement | Feedback         | Normal   | CLI / shell script cleanup  | Henning Blohm | Henning Blohm | 18.04.2024 10:43 | z2-core                 | 2.10.1         |                | 0.00       | 27.01.2024 19:15 |        |
| 2022 | z2-Environment | Improvement | Resolved         | Normal   | Code Improvement: Default methods in IWorkResource  | Henning Blohm | Henning Blohm | 17.02.2019 19:30 | z2-core                 | 2.7            |                | 0.00       | 24.10.2018 23:20 |        |
| 2023 | z2-Environment | Improvement | Resolved         | Normal   | Code Improvement: Make WorkUnit an AutoClosable   | Henning Blohm | Henning Blohm | 02.01.2019 00:41 | z2-core                 | 2.7            |                | 0.00       | 25.10.2018 09:15 |        |
| 2153 | z2-Environment | Improvement | Resolved         | Normal   | CompactFormatter to use Formatter.formatMessage(LogRecord) rather than its own formatting | Henning Blohm | Henning Blohm | 10.05.2023 19:47 | z2-core                 | 2.10           |                | 0.00       | 04.05.2023 14:56 |        |
| 2080 | z2-Environment | Improvement | Resolved         | Normal   | Dev Repo to Complain When Finding a Duplicate Module                                      | Henning Blohm | Henning Blohm | 10.03.2021 21:05 | z2-base                 | 2.9            |                | 0.00       | 24.09.2020 10:57 |        |
| 2072 | z2-Environment | Improvement | Rejected         | Normal   | Dev Repo to report on discovering a module multiple times                                 | Henning Blohm | Henning Blohm | 11.03.2021 21:34 | z2-base                 | 2.9            |                | 0.00       | 20.05.2020 17:01 |        |
| 2079 | z2-Environment | Improvement | New              | Normal   | Devise a method to reduce dependencies  | Henning Blohm | Henning Blohm | 18.08.2020 15:34 | z2-core                 | TBD            |                | 0.00       | 18.08.2020 15:34 |        |
| 1962 | z2-Environment | Improvement | Resolved         | Normal   | Document autoVerify   | Henning Blohm | Henning Blohm | 26.03.2017 22:39 | z2-core                 | 2.5            |                | 0.00       | 15.01.2017 17:30 |        |
| 1961 | z2-Environment | Improvement | To Be Documented | Normal   | Document distribution exporter  | Henning Blohm | Henning Blohm | 07.03.2021 17:53 | z2-base                 | TBD            |                | 0.00       | 21.12.2016 09:56 |        |
| 1987 | z2-Environment | Improvement | Resolved         | Normal   | Document z2 unit configuration  | Henning Blohm | Henning Blohm | 01.09.2018 21:12 | z2-base                 | 2.6            |                | 0.00       | 30.10.2017 17:23 |        |
| 1025 | z2-Environment | Improvement | Closed           | Normal   | Documentation: Update core documentation w.r.t. 2.2                                       | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-core                 | 2.2            |                | 0.00       | 05.04.2013 10:20 |        |
| 2078 | z2-Environment | Improvement | New              | Normal   | Drop gitcr compatibility handling of refs/remotes/origin/                                 | Henning Blohm | Henning Blohm | 07.06.2023 09:28 | z2-core                 | 2.11           |                | 0.00       | 14.08.2020 20:28 |        |
| 2148 | z2-Environment | Improvement | Resolved         | Normal   | Eclipsoid should fetch all Java components in a module for its classpath container        | Henning Blohm | Henning Blohm | 08.06.2023 16:33 | z2-base-tools-eclipsoid | 2.10           |                | 0.00       | 23.12.2022 10:16 |        |
| 2085 | z2-Environment | Improvement | Resolved         | Normal   | Enhance eclipsoid template for latest supported servlet version - publish v3.2.0          | Henning Blohm | Henning Blohm | 11.07.2021 16:27 | z2-base-tools-eclipsoid | 2.9            |                | 0.00       | 27.02.2021 18:41 |        |
| 1958 | z2-Environment | Improvement | Resolved         | Normal   | Enhance GitCR for multiple module locations in one repo                                   | Henning Blohm | Henning Blohm | 26.11.2016 21:07 | z2-core                 | 2.5            |                | 0.00       | 09.11.2016 12:00 |        |
| 2059 | z2-Environment | Improvement | New              | Normal   | Enhance standard module layout for better reload performance due to impl updates.         | Henning Blohm | Henning Blohm | 23.01.2024 11:37 | z2-core                 | 2.11           |                | 0.00       | 15.03.2020 18:07 |        |
| 2028 | z2-Environment | Improvement | Resolved         | Normal   | Evaluate classpath in order of reference listing  | Henning Blohm | Henning Blohm | 17.02.2019 19:28 | z2-core                 | 2.7            |                | 0.00       | 03.01.2019 16:16 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|---|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 2000 | z2-Environment | Improvement | Resolved | Normal   | Exclude source jars from classpath  | Henning Blohm | Henning Blohm | 01.09.2018 20:47 | z2-core         | 2.6            |                | 0.00       | 18.04.2018 22:56 |        |
| 872  | z2-Environment | Improvement | Resolved | Normal   | fix "resolves to a package" message upon class not found in ECJ adapter           | Udo Offermann | Henning Blohm | 15.04.2014 16:50 | z2-core         | 2.3            |                | 0.00       | 23.07.2012 17:23 |        |
| 1012 | z2-Environment | Improvement | Closed   | High     | Fix naming integration for better embeddability                                   | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-core         | 2.2            |                | 0.00       | 27.03.2013 11:20 |        |
| 2104 | z2-Environment | Improvement | Resolved | Normal   | Get rid off com.zfabrik.management/jmxLogger Factory                              | Udo Offermann | Henning Blohm | 07.11.2021 15:23 |                 | 2.9.1b         |                | 0.00       | 14.09.2021 17:32 |        |
| 1983 | z2-Environment | Improvement | Resolved | Normal   | Hide external libraries used in z2 base impl.                                     | Henning Blohm | Henning Blohm | 10.06.2018 14:49 | z2-base         | 2.6            |                | 0.00       | 26.09.2017 15:15 |        |
| 2083 | z2-Environment | Improvement | New      | Normal   | Implement a remote CR reducing Clone Efforts with GitCR                           | Henning Blohm | Henning Blohm | 23.01.2024 11:37 | z2-base         | 2.11           |                | 0.00       | 15.01.2021 14:52 |        |
| 2042 | z2-Environment | Improvement | Resolved | Normal   | Implement admin accessible remote log streaming in browser and via API            | Henning Blohm | Henning Blohm | 24.11.2019 11:48 |                 | 2.8            |                | 0.00       | 21.10.2019 23:16 |        |
| 1696 | z2-Environment | Improvement | Resolved | Normal   | Implement Maven Component Repository  | Henning Blohm | Henning Blohm | 05.05.2014 22:04 | z2-base         | 2.3            |                | 0.00       | 23.03.2014 17:35 |        |
| 1697 | z2-Environment | Improvement | Resolved | Normal   | Implement Smart Props   | Henning Blohm | Henning Blohm | 23.04.2017 14:00 | z2-core         | 2.5            |                | 0.00       | 23.03.2014 17:41 |        |
| 1927 | z2-Environment | Improvement | Resolved | Normal   | Improve ComponentFactory Bean with Generic and Class parameter                    | Henning Blohm | Henning Blohm | 30.09.2015 21:55 | z2-addon-spring | 2.4            |                | 0.00       | 30.09.2015 18:21 |        |
| 1986 | z2-Environment | Improvement | Resolved | Normal   | Improve Z2UnitTestRunner Logging  | Henning Blohm | Henning Blohm | 14.05.2018 15:30 | z2-base         | 2.6            |                | 0.00       | 20.10.2017 09:59 |        |
| 1984 | z2-Environment | Improvement | Resolved | Normal   | Introduce API, Impl, Test specific compile order                                  | Henning Blohm | Henning Blohm | 01.09.2018 21:39 | z2-core         | 2.6            |                | 0.00       | 04.10.2017 16:40 |        |
| 1895 | z2-Environment | Improvement | Resolved | Normal   | Introduce boot.config/reposUp system state  | Henning Blohm | Henning Blohm | 14.04.2015 00:36 | z2env           | 3.0            |                | 0.00       | 12.04.2015 17:04 |        |
| 1619 | z2-Environment | Improvement | Resolved | Normal   | Java refence parsing should ignore empty refs                                     | Henning Blohm | Henning Blohm | 05.03.2014 09:19 | z2-core         | 2.3            |                | 0.00       | 05.12.2013 11:22 |        |
| 2150 | z2-Environment | Improvement | Resolved | Normal   | Limit stream reader buffers for worker output handling                            | Henning Blohm | Henning Blohm | 14.05.2023 18:31 | z2-base         | 2.10           |                | 0.00       | 04.01.2023 12:07 |        |
| 2159 | z2-Environment | Improvement | New      | Normal   | Log a warning when waiting for a connection due to full pool in PoolingDataSource | Henning Blohm | Henning Blohm | 29.12.2023 15:59 | z2-base         | 2.11           |                | 0.00       | 29.12.2023 15:59 |        |
| 2075 | z2-Environment | Improvement | Resolved | Normal   | Log more context in Component Property Evaluation                                 | Henning Blohm | Henning Blohm | 18.08.2021 23:34 | z2-core         | 2.9            |                | 0.00       | 23.06.2020 12:06 |        |
| 1960 | z2-Environment | Improvement | Resolved | Normal   | Make dev repo search depth for modules configurable                               | Henning Blohm | Henning Blohm | 09.04.2017 19:39 | z2-base         | 2.5            |                | 0.00       | 07.12.2016 14:24 |        |
| 2008 | z2-Environment | Improvement | Resolved | Normal   | Make MVN-CR repo names symbolic so they are robust under links                    | Henning Blohm | Henning Blohm | 13.08.2018 23:17 |                 | 2.6            |                | 0.00       | 12.06.2018 21:38 |        |

| #    | Project        | Tracker     | Status      | Priority | Subject  | Author        | Assignee      | Updated          | Category | Target version | Estimated time | Spent time | Created          | origin |
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| 2066 | z2-Environment | Improvement | New         | Normal   | Make X type-safely extensible  | Henning Blohm | Henning Blohm | 11.03.2021 21:32 | z2-core  | TBD            |                | 0.00       | 02.05.2020 10:18 |        |
| 1929 | z2-Environment | Improvement | Resolved    | Normal   | merge v2.4 back to master and release v2.4   | Henning Blohm | Henning Blohm | 21.10.2015 08:39 |          | 2.4            |                | 0.00       | 20.10.2015 09:34 |        |
| 2168 | z2-Environment | Improvement | In Progress | Normal   | Minor JDBC improvements  | Henning Blohm | Henning Blohm | 13.02.2024 12:43 | z2-base  | 2.11           |                | 0.00       | 13.02.2024 12:43 |        |
| 1622 | z2-Environment | Improvement | Resolved    | Normal   | Move cycle detection into ComponentResourceWrapper   | Henning Blohm | Henning Blohm | 03.01.2014 23:02 | z2-core  | 2.3            |                | 0.00       | 08.12.2013 13:22 |        |
| 1698 | z2-Environment | Improvement | Rejected    | Normal   | MVN repo leftovers   | Henning Blohm | Henning Blohm | 24.03.2014 18:29 | z2-base  | 2.3            |                | 0.00       | 24.03.2014 17:35 |        |
| 2125 | z2-Environment | Improvement | Resolved    | Normal   | Port #2122   | Henning Blohm | Henning Blohm | 28.11.2021 17:41 | z2-base  | 2.9.1b         |                | 0.00       | 28.11.2021 17:25 |        |
| 2156 | z2-Environment | Improvement | Resolved    | Normal   | Port #2150 to 2.9.4  | Henning Blohm | Henning Blohm | 04.10.2023 17:51 | z2-core  | 2.9.4          |                | 0.00       | 04.10.2023 13:44 |        |
| 1924 | z2-Environment | Improvement | Resolved    | Normal   | Port Gateway to Jetty 9  | Henning Blohm | Henning Blohm | 17.09.2015 11:30 | z2-base  | 2.4            |                | 0.00       | 13.09.2015 22:42 |        |
| 1921 | z2-Environment | Improvement | Resolved    | Normal   | Port Java8 support   | Henning Blohm | Henning Blohm | 20.09.2015 17:42 | z2-core  | 2.4            |                | 0.00       | 10.09.2015 11:19 |        |
| 2129 | z2-Environment | Improvement | Resolved    | Normal   | Port log4j update  | Henning Blohm | Henning Blohm | 19.12.2021 23:33 | z2-base  | 2.9.1b         |                | 0.00       | 19.12.2021 23:26 |        |
| 1711 | z2-Environment | Improvement | Resolved    | Normal   | Port samples and addons to MVN repo  | Henning Blohm | Henning Blohm | 14.05.2014 16:22 |          | 2.3            |                | 0.00       | 11.04.2014 11:41 |        |
| 1923 | z2-Environment | Improvement | Resolved    | Normal   | Port to Jetty 9  | Henning Blohm | Henning Blohm | 17.09.2015 11:38 | z2-base  | 2.4            |                | 0.00       | 13.09.2015 22:40 |        |
| 1917 | z2-Environment | Improvement | Resolved    | Normal   | Port worker process management   | Henning Blohm | Henning Blohm | 27.08.2015 09:55 | z2env    | 3.0            |                | 0.00       | 25.08.2015 19:44 |        |
| 2167 | z2-Environment | Improvement | Feedback    | Normal   | Port Z2Jupiter to use java serialization for transport to reduce dependencies                            | Henning Blohm | Henning Blohm | 18.04.2024 10:43 |          | 2.10.1         |                | 0.00       | 31.01.2024 09:03 |        |
| 1013 | z2-Environment | Improvement | Closed      | Normal   | ProcessRunner should register HomeMBean  | Henning Blohm | Henning Blohm | 15.06.2013 21:11 | z2-core  | 2.2            |                | 0.00       | 27.03.2013 11:22 |        |
| 1994 | z2-Environment | Improvement | Resolved    | Normal   | Remove accessibility modification  | Henning Blohm | Henning Blohm | 06.05.2018 19:52 | z2-base  | 2.6            |                | 0.00       | 06.01.2018 21:00 |        |
| 2084 | z2-Environment | Improvement | Resolved    | Normal   | Remove outdated modules  | Henning Blohm | Henning Blohm | 11.07.2021 10:59 | z2-base  | 2.9            |                | 0.00       | 26.02.2021 17:02 |        |
| 2061 | z2-Environment | Improvement | Resolved    | Normal   | Remove pending JGit locks if found and lock access to Git repo of Git Component Repo with safe file lock | Henning Blohm | Henning Blohm | 03.04.2020 09:10 | z2-core  | 2.9            |                | 0.00       | 30.03.2020 12:27 |        |
| 1918 | z2-Environment | Improvement | Resolved    | High     | Replace SVNClientAdapter based implementation  | Henning Blohm | Henning Blohm | 08.09.2015 09:54 | z2-core  | 2.3.1          |                | 0.00       | 29.08.2015 19:10 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 1955 | z2-Environment | Improvement | Resolved | Normal   | Repo cache should be purged when significant properties such as URL changed | Henning Blohm | Henning Blohm | 23.04.2017 23:18 | z2-core                 | 2.5            |                | 0.00       | 29.07.2016 18:06 |        |
| 1944 | z2-Environment | Improvement | Resolved | Normal   | Return highest language level when undecided.                               | Henning Blohm | Henning Blohm | 23.04.2017 23:29 | z2-core                 | 2.5            |                | 0.00       | 21.02.2016 20:54 |        |
| 2029 | z2-Environment | Improvement | Resolved | Normal   | Revamp TransactionUtil and ThreadUtil                                       | Henning Blohm | Henning Blohm | 27.01.2019 16:29 |                         | 2.7            |                | 0.00       | 24.01.2019 09:44 |        |
| 1985 | z2-Environment | Improvement | Resolved | Normal   | Revert eclipsoid defaulting to v3.  | Henning Blohm | Henning Blohm | 15.03.2020 23:26 | z2-base-tools-eclipsoid | 2.8            |                | 0.00       | 20.10.2017 09:53 |        |
| 1031 | z2-Environment | Improvement | Rejected | Normal   | Review compiler API and compiler order specification                        | Henning Blohm | Henning Blohm | 03.09.2018 17:03 | z2-core                 |                |                | 0.00       | 13.04.2013 20:52 |        |
| 2132 | z2-Environment | Improvement | Resolved | Normal   | Secure /jmx   | Henning Blohm | Henning Blohm | 29.12.2021 18:16 | z2-base                 | 2.9.1          |                | 0.00       | 29.12.2021 17:54 |        |
| 1690 | z2-Environment | Improvement | Resolved | Normal   | Standard Threadpool should use CCL of scheduling thread                     | Henning Blohm | Henning Blohm | 11.03.2014 17:48 | z2-core                 | 2.3            |                | 0.00       | 11.03.2014 16:27 |        |
| 1953 | z2-Environment | Improvement | Closed   | Normal   | Support an offline mode that disables attempts to remote repositories       | Henning Blohm | Henning Blohm | 18.09.2016 17:45 | z2-core                 | 2.4.1          |                | 0.00       | 17.07.2016 21:52 |        |
| 1547 | z2-Environment | Improvement | Resolved | Normal   | Support combined javadoc generation   | Henning Blohm | Henning Blohm | 09.04.2014 17:49 | z2-base                 | 2.3            |                | 0.00       | 07.11.2013 14:39 |        |
| 2151 | z2-Environment | Improvement | Resolved | Normal   | Support component aliases   | Henning Blohm | Henning Blohm | 22.04.2023 16:40 | z2-core                 | 2.10           |                | 0.00       | 25.02.2023 20:10 |        |
| 2021 | z2-Environment | Improvement | Resolved | Normal   | Support Java 11 language level  | Henning Blohm | Henning Blohm | 05.01.2020 18:31 | z2-core                 | 2.7            |                | 0.00       | 26.09.2018 21:44 |        |
| 1860 | z2-Environment | Improvement | Resolved | Normal   | Support Java 8  | Henning Blohm | Henning Blohm | 28.01.2015 13:56 | z2-core                 | 3.0            |                | 0.00       | 08.11.2014 16:55 |        |
| 1746 | z2-Environment | Improvement | New      | Normal   | Support materialization of Maven artifacts (component/module name escaping) | Henning Blohm | Henning Blohm | 12.11.2014 19:21 | z2-core                 | 3.0            |                | 0.00       | 18.05.2014 21:24 |        |
| 2154 | z2-Environment | Improvement | Resolved | Normal   | Support Multi-release jars in Component Classloader                         | Henning Blohm | Henning Blohm | 04.06.2023 23:45 |                         | 2.10           |                | 0.00       | 24.05.2023 08:42 |        |
| 2145 | z2-Environment | Improvement | Resolved | Normal   | Support public include references to be included into source via includes   | Henning Blohm | Henning Blohm | 24.04.2023 22:19 | z2-core                 | 2.10           |                | 0.00       | 19.12.2022 09:51 |        |
| 2051 | z2-Environment | Improvement | Resolved | Normal   | Support single branch cloning in GitCR                                      | Henning Blohm | Henning Blohm | 01.01.2020 23:00 | z2-core                 | TBD            |                | 0.00       | 09.12.2019 12:48 |        |
| 1974 | z2-Environment | Improvement | Resolved | Normal   | Support type reference parameter  | Henning Blohm | Henning Blohm | 17.03.2019 11:34 | z2-core                 | 2.7            |                | 0.00       | 18.06.2017 12:16 |        |
| 1479 | z2-Environment | Improvement | New      | Normal   | Switch context class loader for defined z2 programming models               | Henning Blohm | Henning Blohm | 15.04.2017 13:33 |                         | 3.0            |                | 0.00       | 10.08.2013 13:27 |        |

| #    | Project        | Tracker     | Status      | Priority | Subject   | Author        | Assignee      | Updated          | Category | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|-------------|----------|---|---------------|---------------|------------------|----------|----------------|----------------|------------|------------------|--------|
| 2064 | z2-Environment | Improvement | New         | Urgent   | TODO Revamp outdated Thread pool handling                     | Henning Blohm | Henning Blohm | 29.04.2020 13:03 |          |                |                | 0.00       | 29.04.2020 13:03 |        |
| 2160 | z2-Environment | Improvement | New         | Normal   | UI polishing tasks  | Henning Blohm | Henning Blohm | 29.12.2023 16:08 | z2-core  | 2.11           |                | 0.00       | 29.12.2023 16:08 |        |
| 1451 | z2-Environment | Improvement | Resolved    | Normal   | Unify "Relaxed" settings for different Component Repositories | Udo Offermann | Henning Blohm | 27.03.2014 16:32 | z2-core  | 2.3            |                | 0.00       | 22.07.2013 10:04 |        |
| 1967 | z2-Environment | Improvement | Resolved    | Normal   | Update Copyright Notice                                       | Henning Blohm | Henning Blohm | 11.06.2017 10:57 | z2-core  | 2.5            |                | 0.00       | 19.02.2017 19:12 |        |
| 2130 | z2-Environment | Improvement | Resolved    | Normal   | Update log4j to 2.17  | Henning Blohm | Henning Blohm | 16.01.2022 21:45 | z2-base  | 2.9.1b         |                | 0.00       | 20.12.2021 11:46 |        |
| 2142 | z2-Environment | Improvement | Resolved    | Normal   | Update the JEXL version used                                  | Henning Blohm | Henning Blohm | 14.05.2023 18:29 | z2-core  | 2.10           |                | 0.00       | 07.12.2022 10:09 |        |
| 2006 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade and remove libraries                                  | Henning Blohm | Henning Blohm | 03.06.2018 17:11 | z2-base  | 2.6            |                | 0.00       | 10.05.2018 17:40 |        |
| 2012 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade built-in JTA to 1.2 and fix suspend behavior          | Henning Blohm | Henning Blohm | 28.07.2018 17:23 | z2-base  | 2.6            |                | 0.00       | 17.06.2018 14:20 |        |
| 1972 | z2-Environment | Improvement | Resolved    | Urgent   | Upgrade ECJ to 4.6.1  | Henning Blohm | Henning Blohm | 20.05.2017 23:44 | z2-core  | 2.5            |                | 0.00       | 01.05.2017 23:15 |        |
| 2010 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade hibernate addon to 5.3.1                              | Henning Blohm | Henning Blohm | 13.08.2018 22:48 | z2-addon | 2.6            |                | 0.00       | 13.06.2018 22:26 |        |
| 2027 | z2-Environment | Improvement | Resolved    | High     | Upgrade Jetty to 9.4.14                                       | Henning Blohm | Henning Blohm | 31.12.2018 11:56 | z2-base  | 2.7            |                | 0.00       | 28.12.2018 13:37 |        |
| 2057 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade JGit  | Henning Blohm | Henning Blohm | 07.03.2020 19:38 |          | 2.8            |                | 0.00       | 02.03.2020 22:37 |        |
| 2037 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade the Wiki and remove the z2-environment.net Website    | Henning Blohm | Henning Blohm | 09.02.2020 23:36 | z2-core  | 2.8            |                | 0.00       | 02.06.2019 13:15 |        |
| 2088 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade to ECJ for Java 15                                    | Henning Blohm | Henning Blohm | 11.07.2021 11:49 |          | 2.9            |                | 0.00       | 21.03.2021 18:06 |        |
| 2091 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade to ECJ for Java 18                                    | Henning Blohm | Henning Blohm | 15.05.2023 22:08 | z2-core  | 2.10           |                | 0.00       | 23.03.2021 10:50 |        |
| 2090 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade to Jetty 10   | Henning Blohm | Henning Blohm | 11.07.2021 11:50 |          | 2.9            |                | 0.00       | 23.03.2021 10:50 |        |
| 2087 | z2-Environment | Improvement | In Progress | Normal   | Upgrade to Jetty 11   | Henning Blohm | Henning Blohm | 23.01.2024 11:39 |          | 2.11           |                | 0.00       | 21.03.2021 18:04 |        |
| 2052 | z2-Environment | Improvement | Resolved    | Normal   | Upgrade to Jetty 9.4.24                                       | Henning Blohm | Henning Blohm | 15.02.2020 16:00 | z2-base  | 2.8            |                | 0.00       | 12.01.2020 19:43 |        |
| 1016 | z2-Environment | Improvement | Closed      | Normal   | Upgrade to Jetty >=8.1.8.                                     | Henning Blohm | Henning Blohm | 29.06.2013 23:07 | z2-base  | 2.2            |                | 0.00       | 28.03.2013 23:08 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
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| 2036 | z2-Environment | Improvement | Resolved | Normal   | Upgrade z2 unit support to JUnit Jupiter                                  | Henning Blohm | Henning Blohm | 16.08.2021 13:31 | z2-base         | 2.9            |                | 0.00       | 01.06.2019 19:36 |        |
| 2157 | z2-Environment | Improvement | Resolved | Normal   | Use shallow clone for GitCR (2.9.5)                                       | Henning Blohm | Henning Blohm | 23.01.2024 12:59 | z2-core         | 2.9.5          |                | 0.00       | 03.11.2023 08:58 |        |
| 1695 | z2-Environment | Improvement | Resolved | High     | use string as component revision  | Henning Blohm | Henning Blohm | 28.01.2015 14:18 | z2-core         | 3.0            |                | 0.00       | 21.03.2014 16:51 |        |
| 1654 | z2-Environment | Improvement | Resolved | Normal   | When not finding an Aspect, the Aspectj-compiler should issue a warning   | Henning Blohm | Henning Blohm | 09.04.2014 16:48 | z2-addon-spring | 2.3            |                | 0.00       | 18.02.2014 16:37 |        |
| 1024 | z2-Environment | Improvement | Closed   | Normal   | Wiki: Describe HubCR usage  | Henning Blohm | Henning Blohm | 30.07.2013 13:35 | z2-base         | 2.2            |                | 0.00       | 05.04.2013 10:14 |        |
| 1908 | z2-Environment | Improvement | Resolved | Normal   | Terminate Worker if initial states cannot be attained and not in dev mode | Henning Blohm | Henning Blohm | 08.09.2015 09:54 | z2-base         | 2.3.1          | 1.00           | 0.00       | 25.06.2015 11:01 |        |
| 1879 | z2-Environment | Improvement | New      | Normal   | Repository ids and dependencies   | Henning Blohm | Henning Blohm | 01.02.2015 16:48 | z2-core         | 3.0            | 16.00          | 0.00       | 01.02.2015 16:48 |        |