

## Issues

| #    | Project        | Tracker | Status      | Priority  | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|-------------|-----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 2174 | z2-Environment | Bug     | New         | Normal    | Cannot install eclipsoid in base eclipse  | Henning Blohm | Udo Offermann | 27.03.2024 14:16 | z2-base-tools-eclipsoid | 2.11           |                | 0.00       | 27.03.2024 14:16 |        |
| 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 |        |
| 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 |        |
| 2060 | z2-Environment | Bug     | New         | Normal    | Eclipsoid shows no or wrong z2 version at connection test   | Henning Blohm |               | 08.06.2023 17:37 | z2-base-tools-eclipsoid | 2.11           |                | 0.00       | 15.03.2020 23:34 |        |
| 1922 | z2-Environment | Bug     | New         | Normal    | Eclipsoid info views not working in Eclipse > Kepler  | Henning Blohm | Udo Offermann | 14.09.2015 09:53 | z2-base-tools-eclipsoid |                |                | 0.00       | 10.09.2015 13:18 |        |
| 1886 | z2-Environment | Bug     | New         | Normal    | GitCR deletes clone in some circumstances   | Henning Blohm |               | 20.02.2015 14:10 | z2env                   | 3.0            |                | 0.00       | 20.02.2015 14:10 |        |
| 2161 | z2-Environment | Bug     | In Progress | Normal    | Application Threadpool gets confused on interruption  | Henning Blohm | Henning Blohm | 25.04.2024 16:37 | z2-core                 | 2.10.1         |                | 0.00       | 02.01.2024 14:22 |        |
| 2119 | z2-Environment | Bug     | In Progress | Normal    | Eclipsoid Version Resolve (incorrectly) assumes an int response   | Henning Blohm |               | 27.10.2021 21:34 | z2-base-tools-eclipsoid |                |                | 0.00       | 25.10.2021 12:57 |        |
| 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 |        |
| 2172 | z2-Environment | Bug     | Resolved    | Urgent    | Transaction prematurely removed from workunit   | Henning Blohm | Henning Blohm | 25.04.2024 16:06 | z2-base                 | 2.10.1         |                | 0.00       | 03.03.2024 17:34 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

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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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 957  | z2-Environment | Bug     | Resolved | Urgent   | svnkit outdated   | Henning Blohm |               | 20.07.2013 11:34 | z2-core         | 2.2            | 1.00           | 0.00       | 10.12.2012 21:16 |        |
| 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 |        |
| 2114 | z2-Environment | Bug     | Resolved | High     | Includes are not removed before rebuild   | Henning Blohm | Udo Offermann | 07.11.2021 13:41 | z2-core         | 2.9.1b         |                | 0.00       | 15.10.2021 09:09 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

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| 1022 | z2-Environment | Bug     | Resolved | High     | gitcr priority misspelled in repos  | Henning Blohm | Udo Offermann | 08.04.2013 09:44 | z2-core               | 2.2            |                | 0.00       | 30.03.2013 12:33 |        |
| 897  | z2-Environment | Bug     | Resolved | High     | Cannot debug resolved z2-project in workspace   | Henning Blohm | Udo Offermann | 14.09.2012 15:43 | z2-base-tools-eclipse | 2.1            |                | 0.00       | 13.09.2012 11:07 |        |
| 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 |        |
| 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 |        |
| 2141 | z2-Environment | Bug     | Resolved | Normal   | Aspectj compiler not including core api in classpath  | Henning Blohm |               | 07.12.2022 13:31 | z2-addon-spring       | 2.10           |                | 0.00       | 02.12.2022 12:31 |        |
| 2139 | z2-Environment | Bug     | Resolved | Normal   | Spring Context Resource not closing Spring Context since Spring 5   | Henning Blohm |               | 07.12.2022 13:32 | z2-addon-spring       | 2.10           |                | 0.00       | 14.09.2022 16:58 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2113 | z2-Environment | Bug     | Resolved | Normal   | Log Streaming JSON not escaping backslash   | Henning Blohm | Udo Offermann | 07.11.2021 13:41 | z2-core               | 2.9.1b         |                | 0.00       | 14.10.2021 17:08 |        |
| 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 |        |
| 2095 | z2-Environment | Bug     | Resolved | Normal   | Eclipse creates bad folder "src.tests"  | Henning Blohm | Henning Blohm | 11.07.2021 16:27 | z2-base-tools-eclipse | 2.9            |                | 0.00       | 17.06.2021 15:57 |        |
| 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 |        |
| 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 |        |

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| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2005 | z2-Environment | Bug     | Resolved | Normal   | Duplicate apache commons types in z2-base.   | Henning Blohm |               | 14.05.2018 15:16 |          | 2.6            |                | 0.00       | 08.05.2018 22:56 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

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| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1877 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid preventing running Main program from Eclipse in Z2-Module        | Henning Blohm | Udo Offermann | 20.03.2015 10:54 | z2-base-tools-eclipsoid | 3.0            |                | 0.00       | 28.01.2015 12:02 |        |
| 1864 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid does not include bin.test resources                              | Henning Blohm | Udo Offermann | 03.12.2014 13:27 | z2-base-tools-eclipsoid | 3.0            |                | 0.00       | 24.11.2014 15:14 |        |
| 1793 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid exposes private refs of referenced project when armed in eclipse | Henning Blohm | Udo Offermann | 03.12.2014 13:27 | z2-base-tools-eclipsoid |                |                | 0.00       | 09.07.2014 17:23 |        |
| 1750 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid hangs when autocompleting z.properties                           | Henning Blohm | Udo Offermann | 08.09.2015 09:50 | z2-base-tools-eclipsoid | 2.3.1          |                | 0.00       | 23.05.2014 10:15 |        |
| 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 |        |
| 1725 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid not escaping file names in classpath container                   | Henning Blohm | Udo Offermann | 30.04.2014 11:39 | z2-base-tools-eclipsoid | 2.3            |                | 0.00       | 29.04.2014 18:13 |        |
| 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 |        |
| 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 |        |
| 1550 | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid timeout  | Henning Blohm | Udo Offermann | 11.12.2013 09:45 | z2-base-tools-eclipsoid |                |                | 0.00       | 10.11.2013 19:21 |        |
| 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 |        |

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| 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 |        |
| 1039 | z2-Environment | Bug     | Resolved | Normal   | eclipsoid properties editor crashes when opening properties file in Git perspective       | Henning Blohm | Udo Offermann | 16.12.2013 13:54 | z2-base-tools-eclipsoid |                |                | 0.00       | 22.04.2013 14:14 |        |
| 981  | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid classpath container does not expose included for in-workspace references        | Henning Blohm | Udo Offermann | 06.03.2013 17:09 | z2-base-tools-eclipsoid | 2.2            |                | 0.00       | 28.02.2013 10:36 |        |
| 980  | z2-Environment | Bug     | Resolved | Normal   | Eclipsoid runtime classpath resolution problem  | Henning Blohm | Udo Offermann | 08.09.2015 10:03 | z2-base-tools-eclipsoid | 2.3            |                | 0.00       | 28.02.2013 10:30 |        |
| 908  | z2-Environment | Bug     | Resolved | Normal   | gitcr.optional not working offline  | Henning Blohm | Udo Offermann | 24.09.2012 18:03 | z2-core                 | 2.1            |                | 0.00       | 24.09.2012 13:26 |        |
| 902  | z2-Environment | Bug     | Resolved | Normal   | CheckoutException during initial z2 triggered cloning when file has windows line endings  | Henning Blohm | Udo Offermann | 21.09.2012 16:18 | z2-core                 | 2.1            |                | 0.00       | 14.09.2012 10:16 |        |
| 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 |        |
| 2169 | z2-Environment | Bug     | Feedback | Normal   | Cleanup of collected resources may remove good resource entry                             | Henning Blohm | Udo Offermann | 29.02.2024 14:57 | z2-core                 | 2.9.1b.1       |                | 0.00       | 29.02.2024 14:35 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 967  | z2-Environment | Bug     | Closed   | High     | Home Verify triggers repo scan in AbstractComponentRepository                             | Henning Blohm | Henning Blohm | 11.03.2013 22:31 | z2-core                 | 2.2            |                | 0.00       | 07.01.2013 11:58 |        |

| #    | Project        | Tracker | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|--|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

| #    | Project        | Tracker | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 1492 | z2-Environment | Bug     | Rejected | Normal   | Revisit handling of Includes.   | Henning Blohm |               | 05.03.2014 09:25 | z2-core                 | 2.3            |                | 0.00       | 29.08.2013 18:14 |        |
| 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 |        |
| 2176 | z2-Environment | Feature | New      | Normal   | Release v2.10.1   | Henning Blohm | Henning Blohm | 19.04.2024 16:06 |                         | 2.10.1         |                | 0.00       | 19.04.2024 16:06 |        |
| 2155 | z2-Environment | Feature | New      | Normal   | Enhance the z2UnitTestRunner and the Jupiter Engine with the ability to stream logs | Henning Blohm |               | 07.07.2023 11:37 | z2-dev-utils            | 2.11           |                | 0.00       | 07.07.2023 11:37 |        |
| 2039 | z2-Environment | Feature | New      | Normal   | Formalize Docker and Kubernetes Support   | Henning Blohm |               | 07.03.2021 17:53 |                         | TBD            |                | 0.00       | 14.07.2019 13:51 |        |
| 1896 | z2-Environment | Feature | New      | Normal   | Port Hadoop Job Capability to 3.0   | Henning Blohm |               | 01.06.2015 10:52 | z2env                   | 3.0            |                | 0.00       | 13.04.2015 08:43 |        |
| 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 |        |
| 952  | z2-Environment | Feature | Resolved | High     | Eclipsoid support for IntelliJ  | Henning Blohm | Udo Offermann | 21.10.2014 10:43 | z2-base-tools-eclipsoid | 2.3            |                | 0.00       | 12.11.2012 17:52 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |



| #    | Project        | Tracker | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category   | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|---|---------------|---------------|------------------|------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2053 | z2-Environment | Feature | Resolved | Normal   | Prepare 2.8 release   | Henning Blohm |               | 08.03.2020 10:33 |            | 2.8            |                | 0.00       | 15.02.2020 16:13 |        |
| 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 |        |
| 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 |        |
| 2016 | z2-Environment | Feature | Resolved | Normal   | Java 10 support   | Henning Blohm |               | 17.09.2018 10:39 | z2-core    | 2.6            |                | 0.00       | 01.09.2018 19:58 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

| #    | Project        | Tracker | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category              | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|---------|----------|----------|--|---------------|---------------|------------------|-----------------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 1926 | z2-Environment | Feature | Resolved | Normal   | Prepare samples and add-ons and documentation for version 2.4                    | Henning Blohm |               | 18.10.2015 18:52 | z2-samples            | 2.4            |                | 0.00       | 20.09.2015 17:38 |        |
| 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 |        |
| 1442 | z2-Environment | Feature | Resolved | Normal   | Support Proxy Authentication   | Henning Blohm |               | 27.03.2014 16:33 | z2-core               | 2.3            |                | 0.00       | 04.07.2013 14:39 |        |
| 884  | z2-Environment | Feature | Resolved | Normal   | Make sources in z2 generated jars available during debugging                     | Henning Blohm | Udo Offermann | 07.09.2012 09:34 | z2-base-tools-eclipse | 2.1            |                | 0.00       | 24.08.2012 10:20 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2177 | z2-Environment | Improvement | New      | Normal   | Eclipsoid explicit arming/disarming   | Henning Blohm | Udo Offermann | 30.04.2024 08:50 | z2-base-tools-eclipsoid | 2.11           |                | 0.00       | 30.04.2024 08:50 |        |
| 2175 | z2-Environment | Improvement | New      | Normal   | Upgrade to Jetty 10.0.20  | Henning Blohm | Henning Blohm | 25.04.2024 16:04 |                         | 2.10.1         |                | 0.00       | 18.04.2024 10:45 |        |
| 2170 | z2-Environment | Improvement | New      | Normal   | Upport #2169 to 2.9.6   | Henning Blohm |               | 29.02.2024 15:44 |                         | 2.9.6          |                | 0.00       | 29.02.2024 15:42 |        |
| 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 |        |
| 2159 | z2-Environment | Improvement | New      | Normal   | Log a warning when waiting for a connection due to full pool in PoolingDataSource | Henning Blohm | Henning Blohm | 23.04.2024 09:41 | z2-base                 | 2.10.1         |                | 0.00       | 29.12.2023 15:59 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2082 | z2-Environment | Improvement | New      | Normal   | Support a clojure compiler addon  | Henning Blohm |               | 10.03.2021 20:51 |                         | TBD            |                | 0.00       | 02.10.2020 16:16 |        |
| 2081 | z2-Environment | Improvement | New      | Normal   | Support a kotlin compiler addon   | Henning Blohm |               | 10.03.2021 20:51 |                         | TBD            |                | 0.00       | 28.09.2020 11:41 |        |
| 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 |        |
| 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 |        |
| 2070 | z2-Environment | Improvement | New      | Normal   | Eclipsoid dependency view to include test references                              | Henning Blohm | Udo Offermann | 11.10.2022 21:57 | z2-base-tools-eclipsoid | 2.11           |                | 0.00       | 11.05.2020 12:53 |        |

| #    | Project        | Tracker     | Status      | Priority | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|-------------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 1940 | z2-Environment | Improvement | New         | Normal   | outdated copyright notice in Eclipsoid when installing in eclipse                 | Henning Blohm | Udo Offermann | 08.06.2023 17:38 | z2-base-tools-eclipsoid | 2.11           |                | 0.00       | 31.01.2016 18:45 |        |
| 1881 | z2-Environment | Improvement | New         | Normal   | Port Maven Component Repository   | Henning Blohm |               | 15.04.2017 13:33 | z2env                   | 3.0            |                | 0.00       | 01.02.2015 21:29 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1061 | z2-Environment | Improvement | New         | Normal   | Document standard modularized Spring application structure                        | Henning Blohm |               | 24.05.2013 17:26 | z2-addon-spring         |                |                | 0.00       | 24.05.2013 17:26 |        |
| 960  | z2-Environment | Improvement | New         | Low      | Make HubCR protocol serialization independent                                     | Henning Blohm |               | 01.08.2013 15:55 | z2-core                 |                |                | 0.00       | 15.12.2012 17:44 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1029 | z2-Environment | Improvement | Resolved    | Urgent   | Compiler and Language Level   | Henning Blohm |               | 29.12.2013 13:35 | z2-core                 | 2.3            |                | 0.00       | 12.04.2013 10:09 |        |
| 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 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 1018 | z2-Environment | Improvement | Resolved | High     | Update Copyright header in z2-base  | Henning Blohm |               | 29.06.2013 18:20 | z2-base                 | 2.2            |                | 0.00       | 28.03.2013 23:14 |        |
| 2162 | z2-Environment | Improvement | Resolved | Normal   | Port #2157 to 2.11  | Henning Blohm |               | 27.01.2024 12:18 |                         | 2.11           |                | 0.00       | 07.01.2024 16:48 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2140 | z2-Environment | Improvement | Resolved | Normal   | Update to the latest Jetty 10 version   | Henning Blohm |               | 15.05.2023 21:23 |                         | 2.10           |                | 0.00       | 11.10.2022 21:58 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|--|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 2117 | z2-Environment | Improvement | Resolved | Normal   | Fix compile performance degradation  | Henning Blohm | Udo Offermann | 07.11.2021 13:41 | z2-core                 | 2.9.1b         |                | 0.00       | 18.10.2021 23:06 |        |
| 2116 | z2-Environment | Improvement | Resolved | Normal   | Reduce synchronization in Component Resource Wrapper   | Henning Blohm | Udo Offermann | 07.11.2021 13:41 | z2-core                 | 2.9.1b         |                | 0.00       | 15.10.2021 16:41 |        |
| 2115 | z2-Environment | Improvement | Resolved | Normal   | Support jetty configuration property setting via Web Server component properties                         | Henning Blohm | Udo Offermann | 07.11.2021 13:41 | z2-base                 | 2.9.1b         |                | 0.00       | 15.10.2021 16:38 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2065 | z2-Environment | Improvement | Resolved | Normal   | AnyResource should mimic ComponentFactory resource instantiation   | Henning Blohm |               | 11.07.2021 12:21 |                         | 2.9            |                | 0.00       | 01.05.2020 14:07 |        |
| 2063 | z2-Environment | Improvement | Resolved | Normal   | Expose system states via JMX and enhance Management command line with state information                  | Henning Blohm |               | 19.08.2021 22:21 |                         | 2.9            |                | 0.00       | 28.04.2020 10:09 |        |
| 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 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|--|---------------|---------------|------------------|----------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2043 | z2-Environment | Improvement | Resolved | Normal   | Support username and password in z2UnitTestRunner and secure z2Unit Servlet.     | Henning Blohm |               | 18.08.2021 11:59 |          | 2.9            |                | 0.00       | 22.10.2019 17:26 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 2035 | z2-Environment | Improvement | Resolved | Normal   | Support Java v. 13   | Henning Blohm |               | 20.02.2020 20:56 | z2-core  | 2.8            |                | 0.00       | 01.06.2019 19:36 |        |
| 2034 | z2-Environment | Improvement | Resolved | Normal   | Show version (build branch) in start log   | Henning Blohm |               | 31.12.2019 10:02 |          | 2.8            |                | 0.00       | 27.04.2019 22:44 |        |
| 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 |        |
| 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 |        |
| 2024 | z2-Environment | Improvement | Resolved | Normal   | Add isOperational() check to JComponentClassLoader                               | Henning Blohm | Henning Blohm | 19.02.2019 22:49 | z2-core  | 2.7            |                | 0.00       | 30.11.2018 09:40 |        |
| 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 |        |
| 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 |        |
| 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 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject  | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|--|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 2020 | z2-Environment | Improvement | Resolved | Normal   | Adapt Java 9 Process Control features                          | Henning Blohm |               | 15.03.2019 23:19 | z2-core                 | 2.7            |                | 0.00       | 22.09.2018 17:14 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1998 | z2-Environment | Improvement | Resolved | Normal   | Component Classloader to ignore *-sources.jar libraries        | Henning Blohm |               | 01.09.2018 20:42 |                         | 2.6            |                | 0.00       | 19.03.2018 17:18 |        |
| 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 |        |
| 1995 | z2-Environment | Improvement | Resolved | Normal   | Upgrade Spring addon to v 5.0.6 and Spring security to 5.0.5   | Henning Blohm |               | 01.09.2018 21:41 | z2-addon-spring         | 2.6            |                | 0.00       | 06.01.2018 21:42 |        |
| 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 |        |
| 1990 | z2-Environment | Improvement | Resolved | Normal   | Document webapp.ContainerIncludeJar Pattern                    | Henning Blohm |               | 01.09.2018 20:47 |                         | 2.6            |                | 0.00       | 19.11.2017 12:24 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |



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|------|----------------|-------------|----------|----------|--|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 1970 | z2-Environment | Improvement | Resolved | Normal   | Document the mainProgram component type  | Henning Blohm |               | 09.04.2017 17:57 |                 | 2.5            |                | 0.00       | 31.03.2017 21:24 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1952 | z2-Environment | Improvement | Resolved | Normal   | Port file system repository enhancements from v3.0                             | Henning Blohm |               | 05.01.2019 14:36 | z2-core         | 2.7            |                | 0.00       | 17.07.2016 11:06 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |

| #    | Project        | Tracker     | Status   | Priority | Subject   | Author        | Assignee      | Updated          | Category                | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|----------|----------|---|---------------|---------------|------------------|-------------------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 1878 | z2-Environment | Improvement | Resolved | Normal   | Eclipsoid Templates not compatible with org.z2env                       | Henning Blohm | Udo Offermann | 31.03.2015 09:33 | z2-base-tools-eclipsoid | 3.0            |                | 0.00       | 28.01.2015 12:04 |        |
| 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 |        |
| 1739 | z2-Environment | Improvement | Resolved | Normal   | Update 2.3 documentation  | Henning Blohm |               | 14.05.2014 16:15 |                         | 2.3            |                | 0.00       | 05.05.2014 22:08 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1519 | z2-Environment | Improvement | Resolved | Normal   | Improve Map/Reduce performance by not stopping Z2                       | Henning Blohm |               | 03.01.2014 22:59 | z2-addon-hadoop         | 2.3            |                | 0.00       | 18.09.2013 13:59 |        |
| 1023 | z2-Environment | Improvement | Resolved | Normal   | Wiki: Describe groovy support   | Henning Blohm | Udo Offermann | 29.06.2013 22:57 | z2-addon                | 2.2            |                | 0.00       | 05.04.2013 10:13 |        |
| 2171 | z2-Environment | Improvement | Feedback | Normal   | Upport #2169 to 2.10.1  | Henning Blohm | Henning Blohm | 25.04.2024 16:04 |                         | 2.10.1         |                | 0.00       | 29.02.2024 15:42 |        |

| #    | Project        | Tracker     | Status           | Priority | Subject   | Author        | Assignee      | Updated          | Category        | Target version | Estimated time | Spent time | Created          | origin |
|------|----------------|-------------|------------------|----------|---|---------------|---------------|------------------|-----------------|----------------|----------------|------------|------------------|--------|
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1026 | z2-Environment | Improvement | Closed           | Normal   | Make Java compiler level customizable. Support language level 6 and 7         | Henning Blohm |               | 29.08.2013 18:06 | z2-core         |                |                | 0.00       | 05.04.2013 10:21 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 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 |        |
| 1021 | z2-Environment | Improvement | Rejected         | High     | Split servlet / jsp modules   | Henning Blohm | Udo Offermann | 08.04.2013 10:35 | z2-base         | 2.2            |                | 0.00       | 30.03.2013 12:11 |        |
| 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 |        |
| 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 |        |
| 1603 | z2-Environment | Improvement | Rejected         | Normal   | Add missing spring test lib   | Henning Blohm |               | 05.05.2014 22:08 | z2-addon-spring | 2.3            |                | 0.00       | 03.12.2013 10:15 |        |
| 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 |        |
| 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 |        |