

## Issues

| #    | Project        | Tracker | Status  | Priority | Subject  | Assignee       | Updated          | Category                |
|------|----------------|---------|---------|----------|--|----------------|------------------|-------------------------|
| 6408 | Member Nodes   | Task    | Closed  | Normal   | create a test Dataone private key/public certificate for SAEON metacat                                       | Mark Servilla  | 2016-07-02 12:44 |                         |
| 6747 | Java Client    | Bug     | Closed  | Normal   | TypeMarshaller.convertTypeFromType can't convert the v2.Log object to v1.Log object                          | Rob Nahf       | 2015-09-05 01:07 | d1_common_java          |
| 6570 | Java Client    | Story   | Closed  | Normal   | libclient should give better indication of expired certificates  | Rob Nahf       | 2018-01-17 19:44 | d1_libclient_java       |
| 8094 | Infrastructure | Bug     | Closed  | Urgent   | MNodeService.replicate() is failing  | Jing Tao       | 2017-06-08 21:23 | Metacat                 |
| 7471 | Infrastructure | Task    | Closed  | Urgent   | The v2 services don't show up for cn node at cn/v2/node  | Robert Waltz   | 2016-08-10 20:36 | d1_cn_buildout          |
| 4674 | Infrastructure | Bug     | New     | Urgent   | Ask Judith, Mike and Virginia Perez.2.1 to obsolete those pids which contain the white spaces.               | Jing Tao       | 2017-05-04 18:01 | d1_cn_service           |
| 8759 | Infrastructure | Story   | Closed  | High     | CN incorrectly modified the replica information of an object   | Dave Vieglaiss | 2019-02-13 20:52 | d1_replication          |
| 8520 | Infrastructure | Story   | Closed  | High     | The SeriesIdResolver class in d1_index_processor shouldn't use the D1Client.getCN().getSystemMetadata method | Jing Tao       | 2018-11-20 22:19 | d1_indexer              |
| 8185 | Infrastructure | Bug     | Closed  | High     | Index-processor leaves lots of "IN PROCESS" index tasks in the index table                                   | Jing Tao       | 2017-10-30 19:05 | d1_indexer              |
| 8071 | Infrastructure | Bug     | Closed  | High     | Prov relationship can't be indexed on CN   | Jing Tao       | 2017-04-24 17:22 | d1_indexer              |
| 8026 | Infrastructure | Task    | Testing | High     | Portal reaches the maximum capacity in a pool  | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet       |
| 8869 | Infrastructure | Story   | New     | Normal   | Equivalent identities show owning different amount of packages.  | Jing Tao       | 2020-09-24 22:34 | d1_indexer              |
| 8868 | Infrastructure | Story   | Closed  | Normal   | d1_solr_extension can't handle the permission rules for the ORCID  |                | 2020-09-11 18:42 |                         |
| 8863 | Infrastructure | Story   | Closed  | Normal   | /cn/v2/synchorize not working  |                | 2020-05-04 21:44 |                         |
| 8862 | Infrastructure | Story   | New     | Normal   | Deploy a new dataone-cn-rest release   | Jing Tao       | 2020-04-23 16:24 |                         |
| 8857 | Infrastructure | Story   | New     | Normal   | D1Client.getCN() always get the production cn on the CN Tomcat context                                       | Jing Tao       | 2019-12-13 00:34 | dataone-cn-rest-service |
| 8856 | Infrastructure | Story   | New     | Normal   | Put the system metadata part ahead of the object part when d1_client_python constructs the multipart         |                | 2019-11-22 18:31 | d1_python               |
| 8855 | Infrastructure | Story   | New     | Normal   | Put the system metadata part ahead of the object part when d1_client_r constructs the multipart              | Matthew Jones  | 2019-11-22 18:29 | d1_client_r             |
| 8854 | Infrastructure | Story   | New     | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart        | Jing Tao       | 2019-11-22 18:25 | d1_libclient_java       |
| 8853 | Infrastructure | Story   | New     | Normal   | Make cn.resolve smarter  |                | 2019-11-15 16:50 |                         |
| 8848 | Infrastructure | Story   | New     | Normal   | A minor difference of annotation index between CN and MN   |                | 2019-11-01 21:37 |                         |
| 8842 | Infrastructure | Story   | New     | Normal   | Some exceptions in Metacat   |                | 2019-09-19 17:53 |                         |
| 8841 | Infrastructure | Story   | New     | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object                          | Jing Tao       | 2019-09-10 22:41 | d1_indexer              |
| 8837 | Infrastructure | Story   | New     | Normal   | Merge the changes from metacat's feature-project-indexing branch to d1_cn_index_processor                    | Jing Tao       | 2019-08-16 17:18 | d1_indexer              |
| 8800 | Infrastructure | Story   | Closed  | Normal   | Remove extra httpclient and httpcore files from cn web lib   | Jing Tao       | 2019-07-31 21:28 | d1_cn_service           |

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| 8785 | Infrastructure | Story   | Closed      | Normal   | Index "replicationStatus" field on the CN   | Jing Tao       | 2019-04-15 21:18 | d1_indexer                    |
| 8784 | Infrastructure | Story   | Closed      | Normal   | Re-index "replicationAllowed" to be searchable  | Jing Tao       | 2019-04-15 21:18 | dataone-cn-solr               |
| 8782 | Infrastructure | Story   | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao       | 2019-03-22 18:12 |                               |
| 8758 | Infrastructure | Story   | New         | Normal   | Index replicationStatus field   | Jing Tao       | 2019-01-14 18:00 | d1_indexer                    |
| 8737 | Infrastructure | Story   | New         | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid | Jing Tao       | 2018-11-28 17:12 | d1_synchronization            |
| 8736 | Infrastructure | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map   |                | 2019-01-22 19:27 | d1_indexer                    |
| 8586 | Infrastructure | Story   | Closed      | Normal   | New object format ids need for ADC  | Bryce Mecum    | 2018-05-08 23:32 | dataone-cn-metacat            |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object   | Jing Tao       | 2018-04-23 20:13 | d1_indexer                    |
| 8527 | Infrastructure | Bug     | Closed      | Normal   | Ending slash on the rest url makes the identity map request fail  | Jing Tao       | 2018-04-03 23:50 | d1_cn_service                 |
| 8470 | Infrastructure | Story   | New         | Normal   | Make the spring context of the d1_index_processor daemon more configurable  | Jing Tao       | 2018-03-22 16:53 | d1_indexer                    |
| 8448 | Infrastructure | Bug     | New         | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file   | Jing Tao       | 2018-03-02 22:06 | d1_indexer                    |
| 8380 | Infrastructure | Bug     | New         | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object                  | Jing Tao       | 2018-03-02 21:53 | Metacat                       |
| 8376 | Infrastructure | Feature | New         | Normal   | Make the script file - insertOrUpdateObjectFormatList.sh (in metacat cn buildout) change the user name automatically    | Jing Tao       | 2018-02-21 22:48 | d1_cn_buildout                |
| 8362 | Infrastructure | Task    | New         | Normal   | Add the indication that the cn account list is sliced   |                | 2018-02-12 17:48 |                               |
| 8196 | Infrastructure | Bug     | New         | Normal   | Duplicated replicas in the system metadata  | Jing Tao       | 2017-10-18 17:19 | d1_replication                |
| 8194 | Infrastructure | Feature | Closed      | Normal   | Avoid unnecessary index tasks generated by restarting tomcat  | Jing Tao       | 2017-10-30 19:02 | d1_indexer                    |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died  | Jing Tao       | 2017-09-14 19:14 | Metacat                       |
| 8114 | Infrastructure | Bug     | Closed      | Normal   | LDAP-based group authorization is failing   | Jing Tao       | 2017-06-08 21:22 | Metacat                       |
| 8113 | Infrastructure | Bug     | Closed      | Normal   | MN.Delete should continue even though it can't find the local file  | Jing Tao       | 2017-06-08 21:21 | Metacat                       |
| 8112 | Infrastructure | Feature | Closed      | Normal   | Display the dc:source field from DCX metadata documents in the stylesheet   | Lauren Walker  | 2017-06-08 21:20 | Metacat                       |
| 8109 | Infrastructure | Story   | New         | Normal   | Does authentication token need to include group information?  | Dave Vieglaiss | 2018-01-17 18:45 | Authentication, Authorization |
| 8105 | Infrastructure | Task    | New         | Normal   | Remove dataone-mercury from production CNs  | Jing Tao       | 2018-03-02 22:17 | d1_mercury                    |
| 8104 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat   | Jing Tao       | 2017-06-02 20:58 | Metacat                       |
| 8103 | Infrastructure | Task    | New         | Normal   | Upgrade the postgresql jdbc jar file on the cn context  | Jing Tao       | 2017-06-02 20:56 | d1_cn_service                 |
| 8102 | Infrastructure | Task    | New         | Normal   | Upgrade postgresql jdbc jar file on Portal  | Jing Tao       | 2017-06-02 20:53 | d1_portal                     |
| 8101 | Infrastructure | Story   | Closed      | Normal   | Openjdk 1.7.0_131 upgrade breaks d1_libclient_java  | Jing Tao       | 2017-12-26 18:20 | Support Operations            |
| 8097 | Infrastructure | Story   | New         | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum   | Jing Tao       | 2018-01-09 19:10 | d1_synchronization            |
| 8091 | Infrastructure | Task    | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node  | Jing Tao       | 2017-05-09 21:33 | dataone-cn-os-core            |

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| 8090 | Infrastructure | Task    | Closed   | Normal   | Upgrade mn-ucsb/unm/orc Metacat  | Jing Tao | 2017-05-10 21:39 | Environment.Production |
| 8070 | Infrastructure | Task    | New      | Normal   | Consolidate the index application-context files  | Jing Tao | 2017-04-13 12:51 |                        |
| 8064 | Infrastructure | Bug     | Closed   | Normal   | ExceptionHandler class should handle the new identifier attribute in the xml representation of exceptions  | Jing Tao | 2017-04-13 22:14 | d1_common_java         |
| 8063 | Infrastructure | Bug     | Closed   | Normal   | RDF/XML subprocessor not populating prov_hasDerivations field  | Jing Tao | 2017-04-18 17:17 | d1_indexer             |
| 8060 | Infrastructure | Task    | Closed   | Normal   | CN failed to call MN.synchronizationFailed method for the arctic data center and knb mn                    | Jing Tao | 2017-04-13 22:15 | d1_synchronization     |
| 8059 | Infrastructure | Bug     | Closed   | Normal   | The count number is -1 when the expandRightsHolder method lists the subjects                               | Jing Tao | 2017-05-08 17:49 | Metacat                |
| 8054 | Infrastructure | Task    | Closed   | Normal   | Debug the failed-sync eml object from EBird  | Jing Tao | 2017-05-09 21:14 |                        |
| 8040 | Infrastructure | Task    | Closed   | Normal   | Remove the input form for the orcid secret from dataone-cn-os-core   | Jing Tao | 2017-03-14 18:34 | dataone-cn-os-core     |
| 8039 | Infrastructure | Task    | Closed   | Normal   | Add the input form for the ORCID id and secret in dataone-cn-portal  | Jing Tao | 2017-03-07 23:48 | dataone-cn-portal      |
| 8018 | Infrastructure | Task    | Closed   | Normal   | When the hazlecast ports of cns are blocked to each other, the orchid log-in doesn't work                  | Jing Tao | 2017-02-27 18:35 | d1_portal_servlet      |
| 7971 | Infrastructure | Story   | Rejected | Normal   | Change the behavior of the cn/mn.archive method  | Jing Tao | 2017-03-14 18:33 | Metacat                |
| 7968 | Infrastructure | Task    | Closed   | Normal   | Change the file extension from zip to gz for gzip formatid   | Jing Tao | 2017-01-23 20:29 | Metacat                |
| 7966 | Infrastructure | Task    | Closed   | Normal   | update the documentation for updating cns' object format list  | Jing Tao | 2017-01-30 21:21 | Documentation          |
| 7964 | Infrastructure | Bug     | Closed   | Normal   | CN V1/V2.archive implementation only allows CN and MN administrators to act                                | Jing Tao | 2017-03-14 18:34 | Metacat                |
| 7963 | Infrastructure | Task    | Closed   | Normal   | Tag portal_servlet and dataone-cn-portal 2.3.1 and deploy it to the production CNs                         | Jing Tao | 2017-01-18 18:42 | d1_portal_servlet      |
| 7960 | Infrastructure | Task    | Closed   | Normal   | Create format ids for R, MATLAB, Python and SAS code   | Jing Tao | 2017-01-23 20:30 | Metacat                |
| 7949 | Infrastructure | Task    | New      | Normal   | Ensure that there's no race condition where an entry can be added to "IN PROCESS" if it is already present | Jing Tao | 2017-02-27 17:55 |                        |
| 7948 | Infrastructure | Bug     | Closed   | Normal   | An Unauthorized exception happened when the CN synchronized the objects with sid from tARD mn              | Jing Tao | 2016-12-06 17:14 | d1_synchronization     |
| 7947 | Infrastructure | Task    | Closed   | Normal   | Calling cn.synchronize method asynchronously in mn.updatesystemmeta on Metacat                             | Jing Tao | 2017-01-30 21:19 | Metacat                |
| 7945 | Infrastructure | Task    | Closed   | Normal   | D1-index-processor should be shut down soon after stop given   | Rob Nahf | 2017-02-10 23:51 | d1_indexer             |
| 7944 | Infrastructure | Task    | Closed   | Normal   | Java Keystore password needs to be added to the config by the build-out script of dataone-cn-portal.       | Jing Tao | 2017-03-07 23:44 | dataone-cn-portal      |
| 7943 | Infrastructure | Task    | Closed   | Normal   | Remove the hard code pointing cn-ucsb postgresql on the portal configuration                               | Rob Nahf | 2016-12-15 18:45 | d1_portal_servlet      |
| 7942 | Infrastructure | Task    | Closed   | Normal   | Dataone-cn-index installation wipe the d1-index-queue database   | Jing Tao | 2017-01-30 21:20 | d1_indexer             |
| 7936 | Infrastructure | Bug     | New      | Normal   | Same pid with different status exists in the index_task table  | Jing Tao | 2017-02-27 18:07 | d1_indexer             |
| 7935 | Infrastructure | Task    | New      | Normal   | Use a dedicated hazelcast queue as the listener to generate index task                                     | Jing Tao | 2017-02-27 18:07 | d1_indexer             |

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| 7917 | Infrastructure | Bug     | Closed      | Normal   | Fix the issue that the system data exists but the bytes doesn't exist for an object on CN after synchronization           | Jing Tao       | 2017-01-11 21:37 | Metacat            |
| 7915 | Infrastructure | Bug     | Closed      | Normal   | MN certificate can't modify the system metadata of an object which's authoritative member node is this mn                 | Jing Tao       | 2016-10-19 22:44 |                    |
| 7906 | Infrastructure | Task    | Closed      | Normal   | Modify the cn-buildout scripts to use open jdk 1.8  | Jing Tao       | 2016-10-11 23:16 |                    |
| 7905 | Infrastructure | Task    | Closed      | Normal   | Install open-jdk-8 on Ubuntu 14.04  | Jing Tao       | 2016-10-10 21:19 |                    |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas  | Jing Tao       | 2016-12-21 09:11 | Metacat            |
| 7875 | Infrastructure | Feature | Closed      | Normal   | Provide clear messages to clients if the namespaces/formatids of the schemas of xml objects are not registered in Metacat | Jing Tao       | 2016-09-13 21:49 | Metacat            |
| 7874 | Infrastructure | Feature | Closed      | Normal   | Disable the feature of downloading external schemas for unregistered namespaces   | Jing Tao       | 2016-09-13 21:48 | Metacat            |
| 7873 | Infrastructure | Feature | Closed      | Normal   | Add the feature to support the noNamespaceSchemaLocation attribute in xml objects   | Jing Tao       | 2016-09-13 21:47 |                    |
| 7870 | Infrastructure | Bug     | Closed      | Normal   | Metacat considers FGDC documents invalid from member node SEAD  | Jing Tao       | 2016-08-26 00:03 | Metacat            |
| 7869 | Infrastructure | Bug     | Closed      | Normal   | Get a service failure exception to read non-existing object in stage-cn.  | Jing Tao       | 2016-08-29 20:45 | Metacat            |
| 7867 | Infrastructure | Bug     | Closed      | Normal   | The resource element can't be added to the solr index of an object if it is obsoletedBy                                   | Jing Tao       | 2016-08-18 20:50 | d1_indexer         |
| 7861 | Infrastructure | Bug     | Closed      | Normal   | Setting a Metacat member node's synchronization false doesn't work.   | Jing Tao       | 2016-08-24 17:16 | Metacat            |
| 7860 | Infrastructure | Bug     | Closed      | Normal   | Solr index tool doesn't work  | Jing Tao       | 2016-08-04 23:11 | d1_indexer         |
| 7825 | Infrastructure | Bug     | New         | Normal   | Hazelcast service stops working after a while   | Jing Tao       | 2016-06-07 18:53 | Metacat            |
| 7819 | Infrastructure | Bug     | Closed      | Normal   | Metacat always shows the https protocol on the dataone base url even it is configured without supporting ssl              | Jing Tao       | 2016-05-25 19:21 | Metacat            |
| 7748 | Infrastructure | Bug     | Closed      | Normal   | Fix the object format list for Microsoft Excel OpenXML format   | Jing Tao       | 2016-05-25 16:13 | Metacat            |
| 7716 | Infrastructure | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?  | Dave Viegla    | 2018-01-17 19:22 | d1_synchronization |
| 7701 | Infrastructure | Bug     | Closed      | Normal   | The InputStream (parameter) in the CN/MN.create and MN.update method is not closed  | Jing Tao       | 2016-03-29 23:31 | Metacat            |
| 7700 | Infrastructure | Task    | Closed      | Normal   | Use the AutoCloseClientInputStream class in the d1_libclient_java in Metacat replication                                  | Jing Tao       | 2016-03-29 22:41 | Metacat            |
| 7669 | Infrastructure | Feature | Closed      | Normal   | The use of formatId to indicate the schema variant that should be used for validation of metadata.                        | Jing Tao       | 2016-03-29 18:58 | Metacat            |
| 7627 | Infrastructure | Task    | Closed      | Normal   | Modify the Metacat postinst to change the server.httpPort from 80 to 443  | Jing Tao       | 2016-02-01 22:48 |                    |
| 7491 | Infrastructure | Task    | Closed      | Normal   | The performance issue on MN.getLogRecord  | Ben Leinfelder | 2015-11-17 23:40 |                    |
| 7453 | Infrastructure | Task    | Closed      | Normal   | In MNodeService.synchronizationFailed method need to log the failure message  | Jing Tao       | 2015-10-27 23:30 |                    |
| 7442 | Infrastructure | Task    | Closed      | Normal   | Metacat can't index a resource map object   | Ben Leinfelder | 2015-10-20 00:57 | d1_indexer         |
| 7395 | Infrastructure | Task    | Closed      | Normal   | Reject those methods on v2 API when clients apply them on an object whose authoritative node is a v2 mn                   | Jing Tao       | 2015-10-05 23:51 |                    |

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| 7384 | Infrastructure | Task    | Closed   | Normal   | Metacat MN solr query should support the symbol "?"   | Ben Leinfelder | 2015-09-29 21:46 | Metacat            |
| 7382 | Infrastructure | Task    | Closed   | Normal   | Add the code to set the modification date of the system metadata for v1.api   | Jing Tao       | 2015-10-05 23:51 | Metacat            |
| 7381 | Infrastructure | Task    | Closed   | Normal   | reject to use the v1.cn api calling an object which has a v2 authoritative member   | Jing Tao       | 2015-10-05 23:50 | Metacat            |
| 7380 | Infrastructure | Task    | Closed   | Normal   | Check the v1/v2 api methods, which alter the system metadata, how to handle the set of the modification date and the serial version   | Jing Tao       | 2015-10-14 17:32 | Metacat            |
| 7376 | Infrastructure | Bug     | Closed   | Normal   | The cn-dev-ucsb-2 can't read a pid through a sid  | Jing Tao       | 2015-09-23 17:41 | Metacat            |
| 7369 | Infrastructure | Task    | Closed   | Normal   | Comparing the dateSystemMetaModified to make sure client has the current copy of the system metadata in MN.updateSystemMetadata       | Jing Tao       | 2015-09-25 00:34 |                    |
| 7368 | Infrastructure | Task    | Closed   | Normal   | Make sure that the setting of the new dateSystemMetaModified happens on MN.systemMetadata change, not in the CN.updateSystemMetadata. | Jing Tao       | 2015-09-25 00:43 |                    |
| 7367 | Infrastructure | Task    | Closed   | Normal   | CN.updateSystemMetadata will ignore the serial version and replica list in the coming system metadata                                 | Jing Tao       | 2015-09-26 00:55 |                    |
| 7366 | Infrastructure | Task    | Closed   | Normal   | Make sure MN.updateSystemMetadata and CN.updateSystemMetadata will NOT increase serial version in the system metadata                 | Jing Tao       | 2015-09-25 00:40 |                    |
| 7363 | Infrastructure | Bug     | Closed   | Normal   | CN.getLogRecords returns 0 result   | Jing Tao       | 2015-09-23 17:42 |                    |
| 7361 | Infrastructure | Task    | Closed   | Normal   | Distinguish v1.MN.systemMetadataChanged and v2.MN.systemMetadataChanged   | Jing Tao       | 2015-09-29 22:38 | Metacat            |
| 7360 | Infrastructure | Task    | Closed   | Normal   | Modify the MN.systemMetadataChanged Method  | Jing Tao       | 2015-09-29 22:38 | Metacat            |
| 7356 | Infrastructure | Task    | Rejected | Normal   | The mn.updateSystemMetadata method should control the increase the serialVersion number.  | Jing Tao       | 2015-09-18 23:48 | Metacat            |
| 7355 | Infrastructure | Task    | Closed   | Normal   | The mn.systemMetadataChanged should return immediately  | Jing Tao       | 2015-09-25 00:41 |                    |
| 7341 | Infrastructure | Bug     | Closed   | Normal   | An solr exception in the mn-demo-8  | Jing Tao       | 2015-09-11 18:05 | Metacat            |
| 7334 | Infrastructure | Task    | Closed   | Normal   | Test the v1 cn.getLog and cn.listFormats on cn-dev  | Jing Tao       | 2015-09-09 17:33 |                    |
| 7325 | Infrastructure | Bug     | Closed   | Normal   | CN.listChecksumAlgorithms get the NotFound 404 exception  | Jing Tao       | 2015-09-03 16:48 | Metacat            |
| 7323 | Infrastructure | Bug     | Closed   | Normal   | cn/v2/node doesn't work   |                | 2015-08-29 00:05 |                    |
| 7315 | Infrastructure | Task    | Closed   | Normal   | /object get blank page on both mn and cn  | Jing Tao       | 2015-08-27 19:37 | Metacat            |
| 7314 | Infrastructure | Bug     | Closed   | Normal   | CN can't fulfill the replication policy when we use the MN.updateSystemMetadata to add replication policy                             | Rob Nahf       | 2016-01-05 19:14 | d1_synchronization |
| 7311 | Infrastructure | Task    | Closed   | Normal   | Shorten the timeout time for waiting the connection   | Jing Tao       | 2015-08-24 22:59 |                    |
| 7303 | Infrastructure | Bug     | Closed   | Normal   | Metacat use a wrong keyword for the getPackage method   | Jing Tao       | 2015-08-19 21:06 | Metacat            |
| 7302 | Infrastructure | Task    | Closed   | Normal   | A test case to test the REST url having two elements  | Andrei Buium   | 2015-08-20 17:09 |                    |
| 7293 | Infrastructure | Bug     | Closed   | Normal   | Metacat maps the decoded REST URL in the D1ResourceHandler  | Jing Tao       | 2015-08-21 18:06 | Metacat            |
| 7289 | Infrastructure | Task    | Closed   | Normal   | The jdbc-stdext02.0.jar file can't be found when we freshly are building d1_libclient_java from the svn trunk                         | Rob Nahf       | 2016-06-13 23:34 | d1_libclient_java  |
| 7282 | Infrastructure | Bug     | Closed   | Normal   | Can't build d1_common_java under java 1.8   | Rob Nahf       | 2016-10-05 17:27 | d1_common_java     |

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| 7278 | Infrastructure | Task    | Closed   | Normal   | Test Metacat on java 1.8  | Jing Tao       | 2016-05-25 16:29 | Metacat       |
| 7275 | Infrastructure | Task    | Closed   | Normal   | Restrictions on MN.update   | Jing Tao       | 2015-07-28 21:28 |               |
| 7274 | Infrastructure | Task    | Closed   | Normal   | Make sure the CN utilities methods which change the system metadata only be allowed to CN subjects      | Jing Tao       | 2015-08-15 00:00 |               |
| 7268 | Infrastructure | Bug     | Closed   | Normal   | The second time to call mn.updateSystem got an exception  | Jing Tao       | 2015-07-21 23:55 |               |
| 7267 | Infrastructure | Bug     | Closed   | Normal   | Metacat replication got a handshake_failure message   | Jing Tao       | 2015-07-23 04:33 |               |
| 7258 | Infrastructure | Bug     | Closed   | Normal   | Get an exception on https://cn-dev.test.dataone.org/cn/v2/accounts                                      |                | 2015-08-06 19:49 |               |
| 7257 | Infrastructure | Task    | Closed   | Normal   | Add v2 service to the mn node capability  | Jing Tao       | 2015-07-16 21:57 |               |
| 7253 | Infrastructure | Task    | Rejected | Normal   | Metacat may have an issue under java 1.8  | Jing Tao       | 2016-05-25 16:32 | Metacat       |
| 7242 | Infrastructure | Task    | Rejected | Normal   | Add a new mechanism to remove the solr index of an object   | Skye Roseboom  | 2015-07-16 22:48 |               |
| 7142 | Infrastructure | Task    | Closed   | Normal   | Add code to read and store new system metadata fields - media type, media type properties and file name | Jing Tao       | 2015-07-08 22:10 |               |
| 7136 | Infrastructure | Task    | Closed   | Normal   | MN.getPackage and CN.getPackage   | Jing Tao       | 2015-08-21 18:07 |               |
| 7128 | Infrastructure | Task    | Closed   | Normal   | Auto-generated MediaType java class doesn't reflect the xml schema definition                           | Dave Vieglaiss | 2015-07-01 16:21 |               |
| 7092 | Infrastructure | Bug     | Closed   | Normal   | SSL client accessing the remote url gets an exception   | Jing Tao       | 2015-05-18 22:27 | Metacat       |
| 7089 | Infrastructure | Task    | Closed   | Normal   | Need to update systemmetadata table base on the new change  | Jing Tao       | 2015-06-01 23:12 |               |
| 7088 | Infrastructure | Task    | Closed   | Normal   | Add v2 schema into metacat  | Jing Tao       | 2015-11-24 21:12 |               |
| 7086 | Infrastructure | Bug     | Closed   | Normal   | MN.updating an archived object doesn't get an invalid request exception                                 | Jing Tao       | 2015-05-08 16:59 |               |
| 7085 | Infrastructure | Task    | Closed   | Normal   | Add a rest service call to support cn.view.   | Jing Tao       | 2015-05-13 22:31 |               |
| 7073 | Infrastructure | Story   | Closed   | Normal   | Create CN.synchronize API on cn_rest_service  | Rob Nahf       | 2015-08-14 23:36 | d1_cn_service |
| 7042 | Infrastructure | Task    | Closed   | Normal   | Create an element for the character set encoding in the system metadata schema                          | Dave Vieglaiss | 2015-07-08 21:32 | d1_schemas    |
| 7039 | Infrastructure | Task    | Closed   | Normal   | CN.getNodeCapabilities return v1 object   | Ben Leinfelder | 2015-07-14 00:27 | d1_cn_service |
| 7038 | Infrastructure | Task    | Closed   | Normal   | MN.v1.getLogRecords return an error   | Jing Tao       | 2015-04-10 23:32 |               |
| 7036 | Infrastructure | Task    | Closed   | Normal   | MN.updateSystemmetadata calls CN.synchronize to update the system metadata on the cn                    | Jing Tao       | 2015-08-14 23:39 |               |
| 6881 | Infrastructure | Task    | Closed   | Normal   | Give Jing Tao the access permission and sudo privilege on mn-orc-1.dataone.org                          | Robert Waltz   | 2015-03-13 21:21 |               |
| 6880 | Infrastructure | Task    | Closed   | Normal   | Update os and metacat on mn-ucsb-1 replication server.  | Jing Tao       | 2015-03-10 19:32 |               |
| 6864 | Infrastructure | Task    | Closed   | Normal   | CN.getSystemMetadata on the V1 API returns a V2 object.   |                | 2015-03-26 20:24 |               |
| 6863 | Infrastructure | Task    | Closed   | Normal   | Check Metacat V1 API returns v1 object  | Jing Tao       | 2015-04-10 23:42 | Metacat       |
| 6859 | Infrastructure | Task    | Closed   | Normal   | Add the check to see if a user try to modify immutable fields by call cn and mn.updateSystemMetadata    | Jing Tao       | 2015-04-14 01:20 | Metacat       |

| #    | Project        | Tracker  | Status   | Priority | Subject   | Assignee       | Updated          | Category |
|------|----------------|----------|----------|----------|---|----------------|------------------|----------|
| 6858 | Infrastructure | Task     | Closed   | Normal   | Access control on MN.updateSystemMetadata and CN.updateSystemMetadata                               | Jing Tao       | 2015-05-01 23:57 |          |
| 6857 | Infrastructure | Task     | Closed   | Normal   | Metacat needs to support CNView interface   | Ben Leinfelder | 2015-04-03 18:34 |          |
| 6856 | Infrastructure | Task     | Closed   | Normal   | Fix MNresourceHandler to handle v2 API MNStorage.updateSystemMetadata()                             | Jing Tao       | 2015-04-10 18:07 | Metacat  |
| 6832 | Infrastructure | Task     | Closed   | Normal   | How do we check the SID validation in the CN.create method  | Jing Tao       | 2015-04-14 21:44 |          |
| 6744 | Infrastructure | Bug      | Closed   | Normal   | Can't access the getLogRecord through v1 api  | Jing Tao       | 2015-01-31 05:40 | Metacat  |
| 6741 | Infrastructure | Task     | Closed   | Normal   | PidFilter different behavior on MN.getLogRecord and CN.getLogRecord                                 | Jing Tao       | 2015-05-28 17:40 |          |
| 6735 | Infrastructure | Task     | Closed   | Normal   | Metacat supports both v1 and v2 xml schema  | Ben Leinfelder | 2015-01-06 19:54 |          |
| 6734 | Infrastructure | Task     | Closed   | Normal   | Implement the feature to support SID in MN and CN apis  | Jing Tao       | 2015-05-28 18:11 |          |
| 6733 | Infrastructure | Task     | Rejected | Normal   | Metacat MN index should keep the solr index for archived objects                                    | Ben Leinfelder | 2015-07-21 22:21 |          |
| 6715 | Infrastructure | Task     | Closed   | Normal   | The sid handling in the MN.getLogRecord   | Jing Tao       | 2015-03-31 23:08 |          |
| 6714 | Infrastructure | Task     | Closed   | Normal   | SID in the SystemMetadata in the create method  | Jing Tao       | 2015-04-14 20:59 |          |
| 6705 | Infrastructure | Decision | New      | Normal   | What behavior should be when a user request a sid when all the pids matching the sid were obsoleted |                | 2014-12-10 20:08 |          |
| 6625 | Infrastructure | Story    | Closed   | Normal   | Requirement of Java 1.8 for Dataone V2  | Rob Nahf       | 2016-12-21 09:13 |          |
| 6615 | Infrastructure | Bug      | New      | Normal   | Apt-get doesn't work on mn-sandbox-unm-1  |                | 2014-11-18 18:45 |          |
| 6571 | Infrastructure | Bug      | Closed   | Normal   | Replication policy can't be fulfilled in Sandbox env for 1.5.0 release                              | Jing Tao       | 2014-11-21 17:52 |          |
| 6569 | Infrastructure | Task     | New      | Normal   | configure jobs for tag 1.0.1, 1.0.0 and 0.9.0   | Rob Nahf       | 2014-11-14 17:56 |          |
| 6568 | Infrastructure | Task     | Closed   | Normal   | Create or update a metadata object without altering content   | Jing Tao       | 2014-12-16 16:46 | Metacat  |
| 6565 | Infrastructure | Task     | New      | Normal   | Configure Jenkins jobs for ezid (ezid-client)   | Rob Nahf       | 2014-12-15 18:36 |          |
| 6530 | Infrastructure | Task     | Closed   | Normal   | Upgrade the OS of the production member nodes operated by UCSB                                      | Jing Tao       | 2015-03-24 18:37 |          |
| 6529 | Infrastructure | Task     | Closed   | Normal   | Upgrade OS in the test member nodes operated by UCSB  | Jing Tao       | 2015-03-12 17:00 |          |
| 6528 | Infrastructure | Story    | Closed   | Normal   | Upgrade MNs operated by DataONE to Ubuntu 14.04   | Jing Tao       | 2015-03-24 18:37 |          |
| 6524 | Infrastructure | Task     | Closed   | Normal   | Tag DATAONE-CN-SOLR_v1.3.1  | Jing Tao       | 2014-11-01 01:02 |          |
| 6523 | Infrastructure | Task     | Closed   | Normal   | Tag D1_SOLR_EXTENSIONS_v1.3.1   | Jing Tao       | 2014-11-01 01:02 |          |
| 6522 | Infrastructure | Task     | Closed   | Normal   | Tag DATAONE-CN-PORTAL_v1.2.4  | Jing Tao       | 2014-11-01 01:01 |          |
| 6521 | Infrastructure | Task     | Closed   | Normal   | Tag D1_PORTAL_SERVLET_v1.2.2  | Jing Tao       | 2014-11-01 01:01 |          |
| 6520 | Infrastructure | Task     | Closed   | Normal   | Tag DATAONE-MERCURY_v1.3.1  | Skye Roseboom  | 2014-10-29 22:11 |          |
| 6519 | Infrastructure | Task     | Closed   | Normal   | Tag D1_MERCURY_UI_v1.3.1  | Skye Roseboom  | 2014-10-29 22:11 |          |
| 6518 | Infrastructure | Task     | Closed   | Normal   | Tag D1_MERCURY_COMMON_v1.3.1  | Skye Roseboom  | 2014-10-29 22:10 |          |
| 6517 | Infrastructure | Task     | Closed   | Normal   | Tag DATAONE-CN-REST-SERVICE_v1.3.2  | Jing Tao       | 2014-11-01 01:00 |          |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee        | Updated          | Category           |
|------|----------------|---------|--------|----------|---|-----------------|------------------|--------------------|
| 6516 | Infrastructure | Task    | Closed | Normal   | Tag D1_CN_SERVICE_v1.3.1  | Jing Tao        | 2014-11-01 01:00 |                    |
| 6515 | Infrastructure | Task    | Closed | Normal   | Tag D1_PORTAL_v1.2.1  | Jing Tao        | 2014-11-01 00:59 |                    |
| 6488 | Infrastructure | Bug     | Closed | Normal   | Metacat MN.create method doesn't check if the identifier exists in CNs (dataone network)  | Jing Tao        | 2015-01-19 22:28 |                    |
| 6476 | Infrastructure | Story   | Closed | Normal   | Fix the bug on CN.delete and MN.delete  | Jing Tao        | 2014-12-16 16:46 |                    |
| 6402 | Infrastructure | Task    | Closed | Normal   | Can't delete the system metadata for data files in cn   | Jing Tao        | 2014-11-16 06:14 |                    |
| 6389 | Infrastructure | Task    | New    | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases  |                 | 2014-09-18 00:42 |                    |
| 6368 | Infrastructure | Task    | Closed | Normal   | MN.delete method doesn't remove the record in the systemmetadata  | Jing Tao        | 2014-09-18 23:32 | Metacat            |
| 6078 | Infrastructure | Task    | Closed | Normal   | The installation of dataone-cn-processdaemon hangs on cn-dev-ucsb-1   | Peter Slaughter | 2014-08-27 20:23 | d1_log_aggregation |
| 6072 | Infrastructure | Bug     | Closed | Normal   | Mercury search result shows 08/25/1934 for datasets uploaded in 2014  | Skye Roseboom   | 2014-09-11 15:04 | d1_mercury         |
| 6052 | Infrastructure | Task    | Closed | Normal   | Update dataone-cn-os-core to install the new version bcmal and bcprov jar files   | Jing Tao        | 2014-08-20 00:13 |                    |
| 6051 | Infrastructure | Task    | Closed | Normal   | Update bcmal and bcprov jar in cicore components.   | Jing Tao        | 2014-08-20 01:39 |                    |
| 6050 | Infrastructure | Task    | Closed | Normal   | Fix the compilation error in d1_cn_rest component   | Jing Tao        | 2014-08-20 22:24 |                    |
| 5992 | Infrastructure | Task    | Closed | Normal   | The originMemberNode and authoritativeMemberNode are wrong in the systemmetadata in the cn after synchronization  | Robert Waltz    | 2014-07-25 20:21 | d1_synchronization |
| 5985 | Infrastructure | Task    | Closed | Normal   | Tag D1_PROCESS_DAEMON_v.1.2.2   | Jing Tao        | 2014-08-15 14:47 | d1_process_daemon  |
| 5527 | Infrastructure | Bug     | Closed | Normal   | Look up configFile from web.xml to override the default (references tomcat6) in portal module   | Ben Leinfelder  | 2014-07-18 03:28 | d1_portal_servlet  |
| 5522 | Infrastructure | Bug     | Closed | Normal   | MetacatProperties class has a hard-coded properties file location pointing tomcat6 in d1_tidy_okay  | Robert Waltz    | 2016-08-10 21:04 |                    |
| 5497 | Infrastructure | Bug     | Closed | Normal   | Click "View full metadata" on the search result of onemercury and get an error.   | Skye Roseboom   | 2014-07-22 14:59 | d1_mercury         |
| 5329 | Infrastructure | Task    | Closed | Normal   | The default value of metacat timed-replication is off in CN   | Jing Tao        | 2014-08-27 23:11 | d1_cn_buildout     |
| 5142 | Infrastructure | Feature | Closed | Normal   | Make it possible for users to change to another cn in the D1Client class in d1_libclient_java module  | Ben Leinfelder  | 2014-06-20 17:36 | d1_libclient_java  |
| 5131 | Infrastructure | Task    | Closed | Normal   | Test if hazelcast works with java 7.  | Robert Waltz    | 2014-07-18 02:54 | d1_cn_buildout     |
| 5130 | Infrastructure | Task    | Closed | Normal   | Automate the upgrade process  | Jing Tao        | 2014-06-30 22:22 | d1_cn_buildout     |
| 5128 | Infrastructure | Task    | Closed | Normal   | Upgrade Metacats on mn-stage-ucsb-1,2 and 3   | Jing Tao        | 2014-04-18 16:30 |                    |
| 4800 | Infrastructure | Task    | Closed | Normal   | Create ubuntu packages for precise on <a href="http://dev-testing.dataone.org/ubuntu-unstable">http://dev-testing.dataone.org/ubuntu-unstable</a> and <a href="http://dev-testing.dataone.org/ubuntu-extra">http://dev-testing.dataone.org/ubuntu-extra</a> | Jing Tao        | 2014-06-30 22:21 | d1_cn_buildout     |
| 4729 | Infrastructure | Task    | Closed | Normal   | Run the d1 integration test   | Robert Waltz    | 2014-07-18 02:54 | Environment.Stage1 |
| 4728 | Infrastructure | Task    | Closed | Normal   | Upgrade(install) the rest components  | Jing Tao        | 2014-07-18 02:53 | d1_cn_buildout     |



| #    | Project        | Tracker | Status   | Priority | Subject  | Assignee       | Updated          | Category          |
|------|----------------|---------|----------|----------|--|----------------|------------------|-------------------|
| 4727 | Infrastructure | Task    | Closed   | Normal   | Upgrade dataone-cn-os-core   | Jing Tao       | 2014-07-18 02:53 | d1_cn_buildout    |
| 4726 | Infrastructure | Task    | Closed   | Normal   | Isolate cn-dev-orc-1 from Round-Robin dns.   | Chris Jones    | 2014-06-30 22:13 |                   |
| 4725 | Infrastructure | Task    | Closed   | Normal   | Update cn-dev-orc-1 to ubuntu 12.04  | Jing Tao       | 2014-06-30 22:14 | d1_cn_buildout    |
| 4721 | Infrastructure | Task    | Closed   | Normal   | Create a DataONE certificate for mn-demo-11  | Chris Jones    | 2014-04-16 19:35 |                   |
| 4720 | Infrastructure | Bug     | Closed   | Normal   | Web tester uses a non-public readable object to check "Checksum Size Consistency"      | Rob Nahf       | 2016-06-15 19:18 | d1_integration    |
| 4708 | Infrastructure | Story   | Closed   | Normal   | Test CN on Ubuntu 12.04  | Jing Tao       | 2014-07-18 02:56 | d1_cn_buildout    |
| 4675 | Infrastructure | Task    | New      | Normal   | Administratively delete those pids with the white spaces                               |                | 2014-09-24 18:09 |                   |
| 4176 | Infrastructure | Bug     | New      | Normal   | The archive method in CN doesn't call back to the authoritative and replica MNs.       |                | 2014-10-01 21:25 |                   |
| 3860 | Infrastructure | Task    | Closed   | Normal   | Move the log4j.properties from the d1_cn_index_processor jar                           | Jing Tao       | 2013-07-03 17:13 | d1_indexer        |
| 3523 | Infrastructure | Task    | Closed   | Normal   | Don't use the byte array to store data in the D1Object class                           | Rob Nahf       | 2013-02-08 00:55 |                   |
| 3501 | Infrastructure | Task    | New      | Normal   | The list of MN objects doesn't show an object, but the direct access shows it          |                | 2013-01-18 19:13 |                   |
| 3373 | Infrastructure | Task    | New      | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.                          |                | 2012-11-06 02:05 |                   |
| 3371 | Infrastructure | Task    | New      | Normal   | unmarshalTypeFromFile method is using FileReader                                       |                | 2012-10-29 19:15 |                   |
| 3278 | Infrastructure | Bug     | Closed   | Normal   | DataPackage.serializePackage() method doesn't work very well.                          | Rob Nahf       | 2012-09-29 03:48 | d1_libclient_java |
| 3263 | Infrastructure | Task    | Closed   | Normal   | GMN node has the problem to handle the calling: mn.listObjects()                       | Roger Dahl     | 2012-10-02 04:46 | d1_mn_GMN         |
| 3257 | Infrastructure | Task    | Closed   | Normal   | Remote URL extension on GMN server doesn't work.                                       | Roger Dahl     | 2012-09-26 04:39 |                   |
| 3171 | Infrastructure | Task    | New      | Normal   | Add d1_common_java d1_libclient_java and their dependency jar files to the morpho lib  |                | 2012-08-31 17:27 |                   |
| 3167 | Infrastructure | Task    | Closed   | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar                      |                | 2012-11-14 17:09 |                   |
| 3166 | Infrastructure | Task    | New      | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar                      |                | 2012-08-31 17:15 |                   |
| 3142 | Infrastructure | Task    | New      | Normal   | Need a new local search mechanism  |                | 2013-03-02 05:15 |                   |
| 3111 | Infrastructure | Task    | Closed   | Normal   | Need a new page for replication information in package wizard                          |                | 2013-03-02 05:06 |                   |
| 3107 | Infrastructure | Task    | Closed   | Normal   | Need a mechanism to keep track the identifier's history (revision)                     | Jing Tao       | 2013-03-25 22:54 | Morpho            |
| 3103 | Infrastructure | Task    | Closed   | Normal   | The design to modify the AbstractDataPackage class                                     |                | 2013-03-02 05:28 |                   |
| 3098 | Infrastructure | Task    | Rejected | Normal   | Implement the update and delete methods  |                | 2013-03-01 18:33 |                   |
| 3097 | Infrastructure | Task    | Rejected | Normal   | Implement insert and read methods  |                | 2013-03-01 18:33 |                   |
| 3096 | Infrastructure | Task    | Closed   | Normal   | Implement login/logout methods   |                | 2013-03-02 05:20 |                   |
| 3090 | Infrastructure | Task    | Closed   | Normal   | New design for morpho profile  |                | 2013-03-02 05:05 |                   |
| 3083 | Infrastructure | Task    | Rejected | Normal   | Get PIDs from metacat query result   | Ben Leinfelder | 2013-03-01 18:33 |                   |
| 3082 | Infrastructure | Task    | New      | Normal   | Morpho should not rely on CN for any critical features                                 |                | 2013-03-02 05:26 | Morpho            |
| 3081 | Infrastructure | Task    | Closed   | Normal   | Modify the morpho setting to allow user choose or input the active dataone member node |                | 2013-03-02 05:23 |                   |

| #    | Project        | Tracker | Status   | Priority | Subject  | Assignee       | Updated          | Category              |
|------|----------------|---------|----------|----------|--|----------------|------------------|-----------------------|
| 3080 | Infrastructure | Task    | New      | Normal   | Calling Dataone client library in morpho   |                | 2013-03-02 05:28 |                       |
| 3079 | Infrastructure | Task    | Closed   | Normal   | Morpho needs a local unique id generator   | Ben Leinfelder | 2013-03-02 05:04 | Morpho                |
| 3077 | Infrastructure | Task    | Closed   | Normal   | Morpho file name convention and the mapping between the file name and identifier                   | Jing Tao       | 2013-03-01 18:33 |                       |
| 3076 | Infrastructure | Task    | New      | Normal   | Allow user to specify Morpho storage directory   |                | 2013-03-02 05:29 | Morpho                |
| 3075 | Infrastructure | Task    | Closed   | Normal   | Morpho needs new data file management system and the local identifier authority.                   |                | 2013-03-02 05:32 |                       |
| 3074 | Infrastructure | Task    | Closed   | Normal   | Phase one implementaion for morpho to connect dataone services                                     | Ben Leinfelder | 2013-03-25 22:54 |                       |
| 2900 | Infrastructure | Task    | Rejected | Normal   | Modify morpho package id management when we switch to dataone                                      |                | 2013-03-01 18:33 |                       |
| 2889 | Infrastructure | Task    | Closed   | Normal   | Consolidate the saeonocean.co.za and saeonmetacat.co.za replication servers in dataknp Metacata db | Jing Tao       | 2012-06-12 20:38 |                       |
| 2843 | Infrastructure | Task    | Rejected | Normal   | Consolidate the metacat code in morpho   | Jing Tao       | 2013-03-01 18:33 |                       |
| 2842 | Infrastructure | Task    | Closed   | Normal   | Design and implment the APIs for morpho to connect Dataone nodes                                   |                | 2013-03-02 05:31 |                       |
| 2841 | Infrastructure | Task    | Closed   | Normal   | Create the design documents for morpho to use the Dataone APIs                                     |                | 2013-03-02 05:34 |                       |
| 2840 | Infrastructure | Story   | Closed   | Normal   | Implement morpho to use Dataone API  | Ben Leinfelder | 2013-03-25 22:50 |                       |
| 7937 | Infrastructure | Task    | Closed   | Low      | add localhost 127.0.0.1 <interface> to the hazelcast.xml file                                      | Rob Nahf       | 2017-02-27 18:05 |                       |
| 7953 | CN REST        | Task    | Closed   | Normal   | Register schema files for the format id FGDC-STD-100.1-1999  | Jing Tao       | 2016-12-16 18:53 | cn_metacat            |
| 7118 | CN REST        | Bug     | Closed   | Normal   | Count query parameter not limiting results on cn logs  | Rob Nahf       | 2016-03-25 02:34 | d1_identity_manager   |
| 6847 | CN REST        | Feature | Rejected | Normal   | CN.getLogRecords support SIDs  | Robert Waltz   | 2015-07-01 18:01 |                       |
| 7817 | CN Index       | Bug     | Closed   | Normal   | The processIndexTaskQueue method on IndexTaskProcessor doesn't pick up all the failed tasks        | Jing Tao       | 2016-06-10 18:35 | d1_cn_index_processor |
| 7816 | CN Index       | Bug     | Closed   | Normal   | After reindex cn-dev, there are more than 20,000 index tasks keep the "IN PROCESS" status          | Jing Tao       | 2016-06-10 18:51 | d1_cn_index_processor |
| 7771 | CN Index       | Task    | Closed   | Normal   | Use multiple threads to index objects  | Jing Tao       | 2016-12-21 09:15 | d1_cn_index_processor |
| 7770 | CN Index       | Task    | Closed   | Normal   | Profile the index process  | Jing Tao       | 2016-05-25 16:31 | d1_cn_index_processor |
| 7769 | CN Index       | Story   | Closed   | Normal   | Improve the performance on solr index  | Jing Tao       | 2016-12-21 09:15 |                       |
| 7001 | CN Index       | Story   | Closed   | Normal   | Add log messages to indicate the start/end of indexing a pid                                       | Skye Roseboom  | 2015-05-13 16:33 | d1_cn_index_processor |