

## Issues

| #    | Project        | Tracker | Status   | Priority | Subject   | Assignee       | Updated          | Category                      |
|------|----------------|---------|----------|----------|---|----------------|------------------|-------------------------------|
| 6844 | Java Client    | Task    | Closed   | Normal   | add default timeout settings into libclient   | Andrei Buium   | 2015-08-04 18:55 | d1_libclient_java             |
| 6725 | Infrastructure | Task    | Closed   | Normal   | add new tests for v2 methods  | Andrei Buium   | 2015-11-04 18:46 |                               |
| 6774 | Infrastructure | Task    | Closed   | Normal   | make test certificate subject labels (filenames) Windows compatible                                   | Andrei Buium   | 2015-07-01 16:18 | d1_integration                |
| 6737 | Infrastructure | Task    | Closed   | Normal   | refactor existing API test classes  | Andrei Buium   | 2015-07-01 16:18 | d1_integration                |
| 7465 | Infrastructure | Bug     | Rejected | Normal   | v1 objects not replicating to v2 member nodes   | Andrei Buium   | 2015-11-04 15:00 | d1_replication                |
| 2666 | Infrastructure | Task    | Closed   | Normal   | create python tool for returning equivalent IDs from session  | Andrew Pippin  | 2012-10-03 15:40 | Authentication, Authorization |
| 2668 | Infrastructure | Task    | Closed   | Normal   | create python tool for returning isAuthorized given AccessPolicy and list of Subjects                 | Andrew Pippin  | 2012-10-03 15:40 | Authentication, Authorization |
| 2241 | Infrastructure | Task    | Closed   | Normal   | check metacat wrt endpoint change   | Ben Leinfelder | 2012-01-19 18:55 | Metacat                       |
| 2422 | Infrastructure | Bug     | Closed   | Normal   | cn.listchecksumAlgorithms() returning NotFound  | Ben Leinfelder | 2012-03-01 22:21 | Metacat                       |
| 3065 | Infrastructure | Bug     | Closed   | Normal   | cn.listObjects slicing broken in production   | Ben Leinfelder | 2013-01-08 18:53 | Metacat                       |
| 2456 | Infrastructure | Task    | Closed   | Low      | /cn/objectList.v1.xsl displays object slice wrong   | Ben Leinfelder | 2012-03-08 05:20 |                               |
| 3399 | Infrastructure | Bug     | Closed   | Normal   | cn.reserveldentifier occasionally timing out in DEV and STAGE   | Ben Leinfelder | 2013-01-15 21:03 | Environment.Development       |
| 1799 | Infrastructure | Bug     | Closed   | Normal   | describe returning code 401 - Authentication Error  | Ben Leinfelder | 2011-09-22 21:24 | Environment.Development       |
| 1800 | Infrastructure | Bug     | Closed   | Normal   | getCapabilities returning NodeList instead of Node object on knb-test-1                               | Ben Leinfelder | 2011-09-22 21:23 | Metacat                       |
| 2798 | Infrastructure | Task    | Closed   | Normal   | implement pidFilter logic for getLogRecords in metacat  | Ben Leinfelder | 2012-05-23 17:03 | Metacat                       |
| 2778 | Infrastructure | Story   | Closed   | Low      | include session subject in NotAuthorized error message  | Ben Leinfelder | 2012-10-08 18:10 | Metacat                       |
| 2777 | Infrastructure | Story   | Rejected | Low      | include session subject in NotAuthorized message  | Ben Leinfelder | 2012-05-18 22:06 | Metacat                       |
| 2388 | Infrastructure | Bug     | Closed   | Normal   | isAuthorized() not throwing InvalidRequest when bad permission passed in                              | Ben Leinfelder | 2012-02-24 17:46 | Metacat                       |
| 2432 | Infrastructure | Task    | Closed   | Normal   | knb not handling verified flag properly   | Ben Leinfelder | 2012-03-13 19:48 | Metacat                       |
| 1763 | Infrastructure | Bug     | Closed   | Normal   | knb-test-1: getCapabilities returns 0.6.3 Node object instead of 0.6.4                                | Ben Leinfelder | 2011-09-14 16:17 | Metacat                       |
| 1768 | Infrastructure | Bug     | Closed   | Normal   | knb-test-1: synchronizationFailed returning ServiceFailure  | Ben Leinfelder | 2011-09-06 18:56 | Metacat                       |
| 2615 | Infrastructure | Bug     | Closed   | High     | metacat eml parsing - schema location error   | Ben Leinfelder | 2012-04-18 17:51 | Metacat                       |
| 3669 | Infrastructure | Task    | Rejected | Normal   | metacat MN.update() should set archived for obsoleted   | Ben Leinfelder | 2013-03-19 20:15 | Metacat                       |
| 2766 | Infrastructure | Bug     | Rejected | Normal   | mn.describe() not found not thrown  | Ben Leinfelder | 2012-05-18 16:30 | Metacat                       |
| 1904 | Infrastructure | Task    | Closed   | Normal   | mn.describe() should now return a header parameter called DataONE-formatid, instead of DataONE-fmtid. | Ben Leinfelder | 2011-11-23 19:38 | Metacat                       |
| 2656 | Infrastructure | Bug     | Closed   | Normal   | mn.getSystemMetadata() dependent on CN being available  | Ben Leinfelder | 2012-04-27 21:18 | Metacat                       |
| 3015 | Infrastructure | Bug     | Closed   | Low      | production /portal silently failed to register Person with long first name                            | Ben Leinfelder | 2012-08-31 14:17 | d1_portal_servlet             |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category                |
|------|------------------|---------|-------------|----------|---|----------------|------------------|-------------------------|
| 7420 | Infrastructure   | Task    | Closed      | Normal   | remove systemMetadata map check for v1 and 2 implementation                       | Ben Leinfelder | 2015-10-09 20:46 | d1_identity_manager     |
| 2431 | Infrastructure   | Task    | Closed      | Normal   | Session object with invalid subjectInfo xml                                       | Ben Leinfelder | 2012-03-05 20:33 |                         |
| 1798 | Infrastructure   | Bug     | Closed      | Normal   | synchronization failed returns ServiceFailure on knb-test-1                       | Ben Leinfelder | 2011-09-22 23:11 | Environment.Development |
| 7386 | Infrastructure   | Bug     | Closed      | Normal   | the ReserveldentifierService allows SIDs already in use to be reserved.           | Ben Leinfelder | 2015-11-10 15:26 | d1_identity_manager     |
| 2451 | Infrastructure   | Task    | Closed      | Normal   | trailing backslash in url rejected by knb web server                              | Ben Leinfelder | 2012-03-09 00:01 |                         |
| 1031 | Infrastructure   | Task    | Closed      | Normal   | a /meta call on private data returns a service failure, instead of file-not-found | Chad Berkley   | 2010-11-15 19:56 |                         |
| 1187 | Infrastructure   | Task    | Closed      | High     | change D1HttpRequest.getPathInfo method in metacat restservice                    | Chad Berkley   | 2011-01-05 22:23 | Metacat                 |
| 1120 | Infrastructure   | Bug     | Closed      | Urgent   | D1Node.java sendRequest error wrt InputOutputStream                               | Chad Berkley   | 2010-12-02 16:50 | d1_libclient_java       |
| 1186 | Infrastructure   | Bug     | Closed      | High     | double slash still compressed in mn.create()                                      | Chad Berkley   | 2011-01-06 21:30 | Metacat                 |
| 1185 | Infrastructure   | Bug     | Closed      | Urgent   | escaped '+' in PID double-decoded to space, throwing error for mn.create()        | Chad Berkley   | 2011-01-06 21:30 | Metacat                 |
| 1125 | Infrastructure   | Task    | Closed      | Urgent   | mn.create() returning 400 error for escaped identifiers                           | Chad Berkley   | 2010-12-02 23:35 | d1_libclient_java       |
| 1294 | Infrastructure   | Bug     | Closed      | High     | update action not reading multipart parameters                                    | Chad Berkley   | 2011-02-08 19:47 | Metacat                 |
| 3723 | Infrastructure   | Task    | Closed      | Normal   | refactor indexer to use libclient_java parser for getting triples                 | Chris Brumgard | 2013-09-19 19:17 | d1_indexer              |
| 3674 | Infrastructure   | Task    | Rejected    | Normal   | archive obsoleted objects in production   | Chris Jones    | 2013-03-22 17:50 | Environment.Production  |
| 4204 | Infrastructure   | Bug     | Closed      | Normal   | cn.archive throws errors on DATA objects  | Chris Jones    | 2013-12-20 15:17 | Metacat                 |
| 1501 | Infrastructure   | Bug     | Closed      | Normal   | d1_integration hudson failure wrt object format                                   | Chris Jones    | 2011-05-04 16:32 |                         |
| 3658 | DataONE API      | Bug     | New         | Normal   | Deleting objects breaks obsoletes chain traversal                                 | Chris Jones    | 2015-01-19 22:29 |                         |
| 3005 | Infrastructure   | Bug     | Closed      | Normal   | DEV cn's not returning proper describe response                                   | Chris Jones    | 2012-09-01 01:57 | Metacat                 |
| 2430 | Infrastructure   | Task    | Closed      | Normal   | equivIDs of the rightsHolder getting NotAuthorized exceptions                     | Chris Jones    | 2012-03-13 19:50 | Metacat                 |
| 1607 | Infrastructure   | Task    | Closed      | Normal   | implement 0.6.2 interfaces in metacat   | Chris Jones    | 2011-08-24 15:42 | Metacat                 |
| 1388 | Infrastructure   | Story   | Closed      | Normal   | implement MN-MN replication manager in CN stack                                   | Chris Jones    | 2011-10-10 16:38 | d1_replication          |
| 3673 | Infrastructure   | Task    | Rejected    | Normal   | implement MN.update() method change in existing member nodes.                     | Chris Jones    | 2013-03-22 17:49 | Environment.Production  |
| 4255 | Member Nodes     | Task    | Closed      | Normal   | issue production certs for EDAC   | Chris Jones    | 2014-06-30 17:52 |                         |
| 2411 | Infrastructure   | Bug     | In Progress | Normal   | knb MNs and CNs allow self-signed certificates to connect                         | Chris Jones    | 2014-10-01 22:22 | Environment.Development |
| 2429 | Infrastructure   | Bug     | Closed      | Normal   | knb mn's failing certain authorization tests                                      | Chris Jones    | 2012-03-13 20:03 | Metacat                 |
| 2369 | Infrastructure   | Bug     | Rejected    | Normal   | metacat mn.isAuthorized() not checking the rightsHolder field?                    | Chris Jones    | 2012-02-27 18:16 | Metacat                 |
| 2094 | Infrastructure   | Task    | Closed      | Normal   | need ChecksumAlgorithmList datatype for getChecksumAlgorithms() method            | Chris Jones    | 2011-12-12 22:37 | d1_schemas              |
| 7181 | Python Libraries | Task    | In Progress | Normal   | add d1_libclient_python implementation  | Dave Vieglais  | 2016-04-21 22:37 | d1_libclient_python     |
| 2198 | Infrastructure   | Task    | Closed      | Normal   | add deleteReplica method  | Dave Vieglais  | 2012-01-12 14:39 | Documentation           |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|------------------|---------|-------------|----------|--|---------------|------------------|-------------------------------|
| 2540 | Infrastructure   | Feature | In Progress | Normal   | add generateIdentifier() method to MNStorage API                                   | Dave Vieglais | 2014-10-02 17:54 | Documentation                 |
| 2118 | Infrastructure   | Story   | Closed      | Normal   | add getPendingMapIdentity to the architecture docs                                 | Dave Vieglais | 2012-01-11 02:17 | Documentation                 |
| 7443 | Infrastructure   | Task    | Closed      | Normal   | add InvalidRequest to hasReservation signature in documentation                    | Dave Vieglais | 2016-03-25 01:17 | Architecture Design           |
| 2197 | Infrastructure   | Task    | Closed      | Normal   | add updateObsoletedBy method   | Dave Vieglais | 2012-01-13 15:55 | Documentation                 |
| 7427 | Python Libraries | Task    | New         | Normal   | adjust API signatures in python libraries  | Dave Vieglais | 2016-03-25 01:11 | d1_libclient_python           |
| 1147 | Infrastructure   | Story   | Closed      | High     | Apache2 blocks escaped "/" in URL paths, although it should not (longstanding bug) | Dave Vieglais | 2011-01-03 02:00 |                               |
| 6956 | Infrastructure   | Story   | Closed      | Normal   | API documentation stale links  | Dave Vieglais | 2019-09-18 20:50 | Documentation                 |
| 2191 | Infrastructure   | Story   | Closed      | Normal   | API refactoring / refinement   | Dave Vieglais | 2018-01-17 20:40 | Documentation                 |
| 6754 | Infrastructure   | Task    | New         | Normal   | Architecture API loose ends  | Dave Vieglais | 2015-01-13 18:54 | Architecture Design           |
| 2665 | Infrastructure   | Task    | Closed      | Normal   | Authorization consistency between language implementations                         | Dave Vieglais | 2012-10-08 16:53 | Authentication, Authorization |
| 1691 | Infrastructure   | Bug     | Closed      | Normal   | boolean serialization conflict in design docs                                      | Dave Vieglais | 2011-07-28 21:47 | Documentation                 |
| 2128 | Infrastructure   | Bug     | Closed      | Normal   | cannot pass serialized exceptions to HEAD requests                                 | Dave Vieglais | 2011-12-13 04:13 | Documentation                 |
| 3668 | Infrastructure   | Task    | Rejected    | Normal   | change MN.update to reflect archive field of obsoleted to be set by update         | Dave Vieglais | 2013-03-22 17:47 | Documentation                 |
| 7264 | Infrastructure   | Bug     | Closed      | Normal   | CNCore.hasReservation null Subject parameter                                       | Dave Vieglais | 2016-03-25 01:18 | Architecture Design           |
| 2802 | Infrastructure   | Story   | Closed      | Normal   | cn nameserver inconsistency in sandbox   | Dave Vieglais | 2012-05-30 14:00 |                               |
| 2163 | Infrastructure   | Story   | Closed      | Normal   | cn.search() what exception thrown when queryType not recognized?                   | Dave Vieglais | 2014-10-02 17:10 | d1_integration                |
| 1402 | Infrastructure   | Task    | Closed      | Normal   | conflicting documentation about location of pid parameter in mn.create()           | Dave Vieglais | 2011-03-22 13:49 | Documentation                 |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool                                      | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization            |
| 2024 | Infrastructure   | Task    | Closed      | Normal   | consider renaming getChecksumAlgorithms to listChecksumAlgorithms                  | Dave Vieglais | 2011-12-13 00:27 | Documentation                 |
| 659  | Infrastructure   | Task    | Closed      | Low      | create LDAP user to enable monitoring via SSH                                      | Dave Vieglais | 2010-06-21 17:24 | d1_monitor                    |
| 2238 | Infrastructure   | Bug     | Closed      | Normal   | deleteReplicationMetadata REST endpoint conflict                                   | Dave Vieglais | 2012-02-06 23:57 | d1_common_java                |
| 5141 | Infrastructure   | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document                 | Dave Vieglais | 2018-01-17 19:58 | Documentation                 |
| 8780 | Infrastructure   | Feature | New         | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2                                   | Dave Vieglais | 2019-03-30 20:38 | d1_indexer                    |
| 1958 | Infrastructure   | Story   | Closed      | Normal   | Devise tests for FUSE client   | Dave Vieglais | 2014-10-02 17:45 |                               |
| 2095 | Infrastructure   | Task    | Closed      | Normal   | django echo service doesn't handle PUT files                                       | Dave Vieglais | 2012-02-07 23:45 |                               |
| 2273 | Infrastructure   | Bug     | Closed      | Normal   | documentation errors - return types  | Dave Vieglais | 2012-02-01 11:40 | Documentation                 |
| 640  | Infrastructure   | Story   | Closed      | Low      | Enable monitoring of member node services through the MN_health API.               | Dave Vieglais | 2010-10-06 17:51 | d1_monitor                    |
| 1240 | Infrastructure   | Bug     | Closed      | High     | Exception handling docs not clear about use of http Status codes                   | Dave Vieglais | 2011-01-19 18:19 | Documentation                 |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|----------------|---------|-------------|----------|--|---------------|------------------|-------------------------------|
| 885  | Infrastructure | Story   | Closed      | High     | excluding member nodes from ObjectLocationList when MN stops supporting the get method | Dave Vieglais | 2018-01-17 20:50 | Documentation                 |
| 2797 | Infrastructure | Feature | Closed      | Normal   | filter log records by pid  | Dave Vieglais | 2012-09-18 17:21 | Documentation                 |
| 2638 | Infrastructure | Task    | Closed      | Normal   | fix api documentation so method is in MNAuthorization table                            | Dave Vieglais | 2012-05-02 16:12 | Documentation                 |
| 1386 | Infrastructure | Story   | Closed      | Normal   | Generation of SOLR index for Mercury   | Dave Vieglais | 2017-09-05 16:26 | d1_indexer                    |
| 2694 | Infrastructure | Story   | Closed      | Normal   | getReplica Tier4 -> Tier1  | Dave Vieglais | 2012-05-24 17:13 | Documentation                 |
| 714  | Infrastructure | Task    | Rejected    | Low      | get stand-alone merc indexer to run and produce output                                 | Dave Vieglais | 2011-10-10 17:18 | Documentation                 |
| 2661 | Infrastructure | Story   | Closed      | Normal   | handling complicated identity-equivalencies for authorization                          | Dave Vieglais | 2012-10-08 16:53 | Authentication, Authorization |
| 7419 | Infrastructure | Story   | Closed      | Normal   | hasReservation should not check if an Identifier is already registered                 | Dave Vieglais | 2016-03-25 01:19 | d1_identity_manager           |
| 645  | Infrastructure | Task    | Closed      | Low      | install and configure nrpe on core nodes   | Dave Vieglais | 2010-06-14 16:04 | d1_monitor                    |
| 2023 | Infrastructure | Task    | Closed      | Normal   | InsufficientResources usage  | Dave Vieglais | 2011-12-13 00:19 | Documentation                 |
| 2020 | Infrastructure | Story   | Rejected    | Normal   | InvalidToken & InvalidCredentials are redundant  | Dave Vieglais | 2012-02-08 20:45 | Documentation                 |
| 8788 | Infrastructure | Bug     | Closed      | Normal   | LE(?) certs not installed with the correct permissions on cn-dev-orc-1                 | Dave Vieglais | 2019-05-21 12:51 | Support Operations            |
| 2743 | Infrastructure | Bug     | Closed      | Normal   | listObjects impl's do not support consistent slicing                                   | Dave Vieglais | 2012-10-09 16:35 | Documentation                 |
| 7920 | Infrastructure | Story   | In Progress | Normal   | migrate apache2 authorization rules from 2.2 conforming to 2.4                         | Dave Vieglais | 2018-01-17 18:59 | d1_cn_buildout                |
| 1618 | Infrastructure | Bug     | Closed      | High     | mn.getCapabilities returns NodeList, but more appropriate to return Node               | Dave Vieglais | 2011-06-03 00:12 | Documentation                 |
| 1625 | Infrastructure | Bug     | Rejected    | Normal   | MN.getOperationStatistics examples out of date   | Dave Vieglais | 2011-09-14 11:23 | Documentation                 |
| 7174 | Infrastructure | Task    | Closed      | Normal   | MN.listObjects documentation is inconsistent regarding replicationStatus parameter     | Dave Vieglais | 2016-03-25 02:02 | Architecture Design           |
| 1465 | Infrastructure | Bug     | Closed      | Normal   | mn update documentation not clear with regard to the 2 pids                            | Dave Vieglais | 2011-11-03 19:49 | Documentation                 |
| 3667 | Infrastructure | Story   | Rejected    | Normal   | MN.update() should set archive field for the obsoleted object                          | Dave Vieglais | 2013-03-22 17:50 | Documentation                 |
| 6478 | Infrastructure | Task    | New         | Normal   | move mncheck VM to a different VMhost  | Dave Vieglais | 2014-10-01 20:34 | MNWebChecker                  |
| 2630 | Infrastructure | Story   | Closed      | Normal   | need a public facing document for how to become a member node                          | Dave Vieglais | 2014-10-01 22:58 |                               |
| 2531 | Infrastructure | Story   | Closed      | Normal   | Need to document cn.delete() method.   | Dave Vieglais | 2012-05-07 14:56 | Documentation                 |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglais | 2015-06-25 22:00 | d1_schemas                    |
| 6898 | Infrastructure | Task    | Closed      | Normal   | new client cert for CN UNMs  | Dave Vieglais | 2015-03-19 19:56 | Environment.Development       |
| 6759 | DataONE API    | Story   | New         | Normal   | ObjectFormat Management  | Dave Vieglais | 2015-01-19 23:17 |                               |
| 7407 | Infrastructure | Story   | In Progress | Normal   | object formats in the d1_common_java bootstrap list are inconsistent with production   | Dave Vieglais | 2016-03-15 16:49 | d1_indexer                    |
| 1000 | Infrastructure | Bug     | Closed      | High     | objectlocationlist documentation - "node" element collides with "node" object          | Dave Vieglais | 2010-10-23 17:14 | Documentation                 |
| 6069 | Infrastructure | Story   | New         | Normal   | open ask.dataone.org sign-in to community  | Dave Vieglais | 2014-10-01 20:39 | Documentation                 |

| #    | Project        | Tracker | Status      | Priority  | Subject   | Assignee        | Updated          | Category            |
|------|----------------|---------|-------------|-----------|---|-----------------|------------------|---------------------|
| 2532 | Infrastructure | Feature | Closed      | Normal    | pidFilter parameter for getLogRecords   | Dave Vieglais   | 2012-05-23 05:55 | Documentation       |
| 3287 | Redmine Test   | Bug     | Closed      | Normal    | redmine dreadfully slow   | Dave Vieglais   | 2012-10-02 18:54 |                     |
| 8222 | Infrastructure | Task    | New         | Normal    | reindex all isotc211 content in production to reflect final decisions from origin field mapping | Dave Vieglais   | 2018-03-22 16:56 | d1_indexer          |
| 3283 | Infrastructure | Task    | Rejected    | Normal    | remove the "sortable" field in queryEngineDescription   | Dave Vieglais   | 2012-10-25 15:10 | d1_schemas          |
| 6990 | Member Nodes   | Task    | Closed      | Normal    | rerun nodc_listObjects tomorrow to see if any ID values have changed                            | Dave Vieglais   | 2016-03-29 13:30 |                     |
| 3720 | Infrastructure | Story   | New         | Normal    | resource maps should be validated   | Dave Vieglais   | 2018-01-17 20:17 | Documentation       |
| 1500 | Infrastructure | Task    | Closed      | Normal    | review arch docs to make sure parameters follow the same format (camelText)                     | Dave Vieglais   | 2011-05-31 14:21 |                     |
| 2632 | Infrastructure | Task    | Closed      | Normal    | review the Node Registration procedure document   | Dave Vieglais   | 2014-10-01 22:58 | Documentation       |
| 2587 | Infrastructure | Bug     | Closed      | Normal    | schema annotation in Node type is out-of-date with implementation                               | Dave Vieglais   | 2013-09-11 02:15 |                     |
| 891  | Infrastructure | Task    | Closed      | High      | schema change procedure   | Dave Vieglais   | 2011-01-03 03:03 | Support Operations  |
| 2810 | Infrastructure | Task    | New         | Normal    | setReplicationStatus() example rwt state transition is incorrect                                | Dave Vieglais   | 2014-10-02 17:21 | Documentation       |
| 1524 | Infrastructure | Task    | Closed      | Normal    | setup d1_test_resources on Hudson...  | Dave Vieglais   | 2011-05-23 20:51 |                     |
| 2021 | Infrastructure | Task    | Closed      | Normal    | some methods take session object but don't throw InvalidToken                                   | Dave Vieglais   | 2011-12-12 23:59 | Documentation       |
| 3698 | Infrastructure | Story   | Closed      | Normal    | support for mutable content   | Dave Vieglais   | 2015-11-10 15:37 | Documentation       |
| 7967 | Infrastructure | Bug     | In Progress | Normal    | The CN is not following the xml schema definition when creating dataone exceptions              | Dave Vieglais   | 2018-05-23 18:13 | Architecture Design |
| 2695 | Infrastructure | Task    | Closed      | Normal    | update documentation  | Dave Vieglais   | 2012-05-04 20:44 | Documentation       |
| 2748 | Infrastructure | Task    | Closed      | Normal    | update documentation for all slicing methods on count behavior                                  | Dave Vieglais   | 2012-10-09 16:32 | Documentation       |
| 7175 | Infrastructure | Task    | Closed      | Normal    | update operations documentation   | Dave Vieglais   | 2016-03-25 01:00 | Documentation       |
| 1935 | Infrastructure | Task    | Closed      | Normal    | URL query parameter names a mix of camelCase and all lowercase in docs                          | Dave Vieglais   | 2011-12-12 23:51 | Documentation       |
| 779  | Infrastructure | Task    | Rejected    | Normal    | consider refactoring long methods   | Giri Palanisamy | 2010-10-07 16:48 | d1_indexer          |
| 713  | Infrastructure | Task    | Closed      | High      | create a metadata terminology map   | Giri Palanisamy | 2010-10-06 23:44 | Documentation       |
| 2611 | Member Nodes   | Task    | Closed      | High      | mercury ornIdaac /object error  | Giri Palanisamy | 2013-02-18 18:14 |                     |
| 8173 | Infrastructure | Story   | New         | High      | add checks for retrograde systemMetadata changes  | Jing Tao        | 2018-01-17 18:38 | d1_indexer          |
| 7328 | Infrastructure | Story   | Closed      | Normal    | CN.setReplicationStatus increments serialVersion when there's no net change                     | Jing Tao        | 2015-09-04 22:44 | Metacat             |
| 8111 | Infrastructure | Task    | Closed      | Normal    | D1ResourceHandler.serializeException should not log all exceptions returned as errors.          | Jing Tao        | 2017-12-26 18:19 | Metacat             |
| 3660 | Infrastructure | Story   | Closed      | Normal    | Deleting objects will lead to unresolvable resourceMap entities                                 | Jing Tao        | 2014-12-16 16:47 |                     |
| 8726 | Infrastructure | Story   | Closed      | Immediate | Indexer flooded with failed resource map tasks from long ago when tomcat is restarted           | Jing Tao        | 2019-01-22 19:10 | d1_indexer          |

| #    | Project          | Tracker | Status   | Priority | Subject   | Assignee        | Updated          | Category                      |
|------|------------------|---------|----------|----------|---|-----------------|------------------|-------------------------------|
| 8570 | Infrastructure   | Bug     | New      | Normal   | index task not generated for a newly synchronized object  | Jing Tao        | 2018-04-20 20:51 | d1_indexer                    |
| 8130 | Infrastructure   | Bug     | Closed   | Normal   | invalidly formatted dates in listObjects fromDate / toDate parameters do not result in InvalidRequest | Jing Tao        | 2017-12-26 18:20 | Metacat                       |
| 3481 | Infrastructure   | Bug     | Closed   | Normal   | metacata D1NodeService.get() returning wrong exception  | Jing Tao        | 2014-12-13 00:33 | Metacat                       |
| 8110 | Infrastructure   | Task    | Closed   | Normal   | metacat.EventLog.getReport should downgrade a log.WARN to log.DEBUG                                   | Jing Tao        | 2017-12-26 18:19 | Metacat                       |
| 8122 | Infrastructure   | Bug     | Closed   | Normal   | Metacat is double-decoding incoming urls on the CNs   | Jing Tao        | 2017-09-08 17:40 | dataone-cn-metacat            |
| 8379 | Infrastructure   | Bug     | New      | Normal   | remove or improve AuthLdap.getGroups logging statement  | Jing Tao        | 2018-02-27 16:51 | Metacat                       |
| 7624 | Infrastructure   | Bug     | Closed   | Normal   | Series head resolution should use obsoletes field as part of determination                            | Jing Tao        | 2016-04-06 21:45 | Metacat                       |
| 8850 | Infrastructure   | Bug     | New      | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                           | Jing Tao        | 2019-11-06 18:32 | d1_indexer                    |
| 8223 | Infrastructure   | Bug     | Closed   | Normal   | XMLSchemaService.getInstance().doRefresh not threadsafe   | Jing Tao        | 2018-01-16 18:09 | Metacat                       |
| 8485 | Infrastructure   | Story   | Closed   | Urgent   | XMLSchemaService progressively builds massively long string by calling doRefresh                      | Jing Tao        | 2018-03-22 17:03 | Metacat                       |
| 4164 | Member Nodes     | Task    | Closed   | Normal   | announce the deployment   | Laura Moyers    | 2014-06-30 17:52 |                               |
| 7645 | Member Nodes     | Task    | Rejected | Normal   | LTER object(s) not synchronizing - bad dateSysMetadataModified?                                       | Mark Servilla   | 2016-02-22 23:45 |                               |
| 3451 | DataONE R Client | Task    | Rejected | Normal   | branch d_client_r   | Matthew Jones   | 2013-02-22 18:44 |                               |
| 2421 | Infrastructure   | Bug     | Rejected | Normal   | cn.generateID doesn't support 'DOI' scheme?   | Matthew Jones   | 2012-03-01 14:18 | d1_cn_service                 |
| 2664 | Infrastructure   | Task    | New      | Normal   | Create documentation for how transitivity is enacted for authorization                                | Matthew Jones   | 2014-10-01 20:47 | Authentication, Authorization |
| 2549 | Infrastructure   | Task    | New      | Normal   | document the decision   | Matthew Jones   | 2012-03-27 22:03 | Authentication, Authorization |
| 2061 | Infrastructure   | Task    | Closed   | Normal   | need ReplicationPolicy to be a top-level structure for java serialization                             | Matthew Jones   | 2011-12-01 21:54 | d1_schemas                    |
| 2059 | Infrastructure   | Task    | Closed   | Normal   | need Replica to be top-level object so it can be serialized   | Matthew Jones   | 2011-12-01 21:54 | d1_schemas                    |
| 3450 | DataONE R Client | Story   | Closed   | Urgent   | prepare release of d1_client_r  | Matthew Jones   | 2013-02-25 18:25 |                               |
| 2146 | Infrastructure   | Bug     | Closed   | Normal   | submitter description in docs confusing   | Matthew Jones   | 2012-01-06 04:32 | Documentation                 |
| 1698 | Infrastructure   | Story   | Closed   | Normal   | support for test and system certificates  | Matthew Jones   | 2012-02-08 22:35 | Authentication, Authorization |
| 1662 | Infrastructure   | Story   | Closed   | Normal   | SystemMetadata datatype to contain ObjectFormatIdentifier instead of ObjectFormat                     | Matthew Jones   | 2011-09-02 18:18 | d1_schemas                    |
| 3452 | DataONE R Client | Task    | Closed   | Normal   | test and tag the release  | Matthew Jones   | 2013-02-25 18:24 |                               |
| 1615 | Infrastructure   | Feature | Closed   | Normal   | review integration test coverage vis a vis new tiered interfaces                                      | Nicholas Dexter | 2011-06-07 17:19 |                               |
| 6728 | Infrastructure   | Task    | Closed   | Normal   | adapt d1_integration classes to v2 libclient  | Rob Nahf        | 2016-01-05 18:19 |                               |
| 3433 | DataONE R Client | Story   | Closed   | Normal   | adapt R Client methods to fit in with R community expectations  | Rob Nahf        | 2013-03-01 22:22 |                               |
| 2650 | Infrastructure   | Task    | Closed   | Normal   | add a D1Node constructor that takes a Session object  | Rob Nahf        | 2012-04-26 17:05 | d1_libclient_java             |

| #    | Project          | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category            |
|------|------------------|---------|-------------|----------|--|----------|------------------|---------------------|
| 811  | Infrastructure   | Task    | Closed      | Normal   | add adjust node attributes type & environment                              | Rob Nahf | 2010-09-07 03:57 | d1_cn_service       |
| 7179 | Infrastructure   | Task    | Closed      | Normal   | add API documentation for CN.updateSystemMetadata                          | Rob Nahf | 2015-06-12 18:49 | Architecture Design |
| 3448 | Infrastructure   | Story   | Closed      | Normal   | add (client) methods to traverse obsoletes chain                           | Rob Nahf | 2014-10-01 23:05 | d1_libclient_java   |
| 2648 | Infrastructure   | Task    | Closed      | Normal   | add corresponding session-less methods to the client implementations       | Rob Nahf | 2012-04-26 03:38 | d1_libclient_java   |
| 2647 | Infrastructure   | Task    | Closed      | Normal   | add corresponding session-less methods to the service api                  | Rob Nahf | 2012-04-26 03:37 | d1_common_java      |
| 2750 | Infrastructure   | Task    | Closed      | High     | add D1Client.getCN(Session session) method                                 | Rob Nahf | 2012-05-11 19:56 | d1_libclient_java   |
| 7180 | Infrastructure   | Task    | Closed      | Normal   | add d1_libclient_java implementation                                       | Rob Nahf | 2015-06-12 21:39 | d1_libclient_java   |
| 1104 | Infrastructure   | Task    | Closed      | Normal   | Add decode function to balance encoding ones                               | Rob Nahf | 2010-11-19 09:43 |                     |
| 1585 | Infrastructure   | Task    | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase. | Rob Nahf | 2012-10-16 21:32 |                     |
| 2063 | Infrastructure   | Task    | Closed      | Normal   | add expired certificate "testUser"   | Rob Nahf | 2012-01-24 17:44 | d1_integration      |
| 1108 | Infrastructure   | Task    | Closed      | Normal   | add location to classpath  | Rob Nahf | 2010-11-30 23:07 |                     |
| 2235 | Infrastructure   | Task    | Closed      | Normal   | add method to D1RestClient that allows caller to close the connection      | Rob Nahf | 2012-01-19 17:11 | d1_libclient_java   |
| 1950 | Infrastructure   | Task    | Rejected    | Normal   | add method to get version & revision from selected webapp dependencies     | Rob Nahf | 2011-11-28 17:59 |                     |
| 2199 | Infrastructure   | Task    | Rejected    | Normal   | add new methods to java service API  | Rob Nahf | 2012-01-17 18:17 | d1_libclient_java   |
| 809  | Infrastructure   | Task    | Closed      | High     | add NodeList description to the documentation                              | Rob Nahf | 2010-09-15 15:43 | Documentation       |
| 7537 | Infrastructure   | Task    | New         | Normal   | add nodelist refreshes to NodeLocator classes                              | Rob Nahf | 2015-12-10 16:59 | d1_libclient_java   |
| 3721 | Java Client      | Task    | In Progress | Normal   | add resource map validation routine to libclient_java                      | Rob Nahf | 2015-02-11 20:42 | d1_libclient_java   |
| 4295 | Member Nodes     | Task    | Closed      | Normal   | address discovered content issues in the index                             | Rob Nahf | 2014-06-30 17:52 |                     |
| 1143 | Infrastructure   | Task    | Closed      | High     | address semi-colon issue   | Rob Nahf | 2010-12-20 23:10 |                     |
| 2751 | Infrastructure   | Task    | Closed      | Normal   | add setSession() method to D1Node class ?                                  | Rob Nahf | 2012-05-11 19:54 | d1_libclient_java   |
| 6854 | Infrastructure   | Feature | In Progress | Normal   | add testAssumptionFailure to run listener                                  | Rob Nahf | 2016-01-26 22:30 | d1_integration      |
| 2258 | Infrastructure   | Task    | Closed      | Normal   | add test certificates to represent MNodes and CNodes                       | Rob Nahf | 2012-04-23 16:50 |                     |
| 7574 | Infrastructure   | Task    | Closed      | Normal   | add togglePortsAndReplication into cn-os-core                              | Rob Nahf | 2016-01-21 16:58 | d1_cn_buildout      |
| 1082 | Infrastructure   | Task    | Closed      | Normal   | add '+' to the escaped character list in EncodingUtilities                 | Rob Nahf | 2010-11-16 23:45 |                     |
| 1128 | Infrastructure   | Task    | Rejected    | Normal   | add unit(?) test for trailing slashes in cn service                        | Rob Nahf | 2010-12-06 17:02 |                     |
| 1036 | Infrastructure   | Task    | Closed      | Normal   | add url encoding to url string in cn/resolve filter                        | Rob Nahf | 2010-11-11 23:56 |                     |
| 2011 | Infrastructure   | Task    | Closed      | Normal   | add version info to d1_libclient_java and d1_common_java                   | Rob Nahf | 2011-11-09 21:54 |                     |
| 7426 | Infrastructure   | Task    | Closed      | Normal   | adjust API signatures in java libraries                                    | Rob Nahf | 2015-10-17 23:13 | d1_common_java      |
| 3543 | DataONE R Client | Task    | Closed      | Normal   | adjust documentation to match S4 expectations                              | Rob Nahf | 2013-03-01 22:22 |                     |
| 7951 | Infrastructure   | Story   | Closed      | Normal   | Allow CN to set NodeProperties in ldap                                     | Rob Nahf | 2017-02-02 17:38 | d1_cn_node_registry |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee | Updated          | Category                      |
|------|----------------|---------|-------------|----------|---|----------|------------------|-------------------------------|
| 3164 | Infrastructure | Task    | Closed      | Normal   | allow tiers to be selected individually.  | Rob Nahf | 2014-10-02 17:43 | MNWebChecker                  |
| 2523 | Infrastructure | Story   | Closed      | Normal   | authorization implementations should be centralized   | Rob Nahf | 2018-01-17 20:37 | Documentation                 |
| 7451 | Infrastructure | Feature | Closed      | Normal   | authorization token support in libclient  | Rob Nahf | 2016-04-19 18:23 | d1_libclient_java             |
| 6850 | Java Client    | Story   | New         | Normal   | automate Java Client releases   | Rob Nahf | 2018-01-17 19:42 | d1_libclient_java             |
| 2320 | Infrastructure | Task    | Closed      | Normal   | bring DataoneEMLParser up to date with regards to change of ObjectFormat into a complex type and replacement with ObjectFormatIdentifier. | Rob Nahf | 2012-02-11 02:34 |                               |
| 865  | Infrastructure | Bug     | Closed      | High     | buggy mn_sync_stats data template   | Rob Nahf | 2010-09-17 22:47 | d1_monitor                    |
| 815  | Infrastructure | Task    | Closed      | Normal   | Build an MN_replication_stats Cacti Plugin  | Rob Nahf | 2010-09-01 19:00 | d1_monitor                    |
| 814  | Infrastructure | Story   | Rejected    | Normal   | Build an MN_replication_stats Cacti Plugin  | Rob Nahf | 2012-05-30 14:49 | d1_monitor                    |
| 813  | Infrastructure | Task    | Closed      | High     | build an MN_sync_stats Cacti Plugin   | Rob Nahf | 2010-09-14 20:38 | d1_monitor                    |
| 3722 | Infrastructure | Task    | Closed      | Normal   | build an RDFS reasoner-based parser to get triples  | Rob Nahf | 2013-08-06 16:04 | d1_libclient_java             |
| 3446 | Infrastructure | Task    | Closed      | Normal   | build CN solr query method that does the url escaping   | Rob Nahf | 2013-01-10 22:27 | d1_client_r                   |
| 3368 | Infrastructure | Task    | Closed      | Normal   | build new WebTester that contains the PEMReader close fixes   | Rob Nahf | 2014-10-01 22:08 | d1_integration                |
| 3445 | Infrastructure | Task    | Closed      | Normal   | build the method to hit the solr query endpoint in R D1Client   | Rob Nahf | 2013-01-10 22:27 | d1_client_r                   |
| 6619 | Infrastructure | Task    | Closed      | Normal   | build the stable release for CCI-1.5.0  | Rob Nahf | 2014-11-26 15:53 |                               |
| 888  | Infrastructure | Bug     | Closed      | Normal   | cacti failing to populate data sources - possible db corruption   | Rob Nahf | 2010-11-30 21:17 | d1_monitor                    |
| 855  | Infrastructure | Task    | Closed      | High     | cacti: rework graph trees for better drill-down   | Rob Nahf | 2010-09-24 18:01 | d1_common_java                |
| 842  | Infrastructure | Task    | Closed      | High     | cacti setup: remap hosts to DNS and add hosts   | Rob Nahf | 2010-09-23 18:01 | d1_common_java                |
| 7058 | Java Client    | Bug     | Closed      | Normal   | cannot successfully connect to SAEON node that only uses TLSv1.2  | Rob Nahf | 2017-03-28 17:58 | d1_libclient_java             |
| 1403 | Infrastructure | Story   | Closed      | Normal   | case insensitive parameter support in MultipartRequestResolver  | Rob Nahf | 2011-05-31 14:22 | d1_common_java                |
| 8045 | Infrastructure | Bug     | New         | Normal   | certificateLocation not seeming to be utilized  | Rob Nahf | 2017-03-14 20:45 | d1_libclient_java             |
| 8044 | Infrastructure | Story   | New         | Normal   | certificate manager should check expiration of CAs it loads into the trust manager.   | Rob Nahf | 2018-01-09 19:10 | d1_libclient_java             |
| 1497 | Infrastructure | Task    | Closed      | Normal   | change method signature in d1_common_java   | Rob Nahf | 2011-05-02 16:00 |                               |
| 3143 | Infrastructure | Task    | Closed      | Normal   | change the tomcat garbage collector   | Rob Nahf | 2014-10-02 17:43 | d1_integration                |
| 8573 | Infrastructure | Bug     | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures   | Rob Nahf | 2018-05-03 21:52 | d1_synchronization            |
| 2670 | Infrastructure | Task    | Closed      | Normal   | check for character limit of customMessages within certificates   | Rob Nahf | 2012-10-03 15:40 | Authentication, Authorization |
| 6013 | Infrastructure | Bug     | Closed      | Normal   | Checksum of some objects not calculated properly in the MN web tester   | Rob Nahf | 2014-07-30 21:24 | d1_integration                |
| 2457 | Infrastructure | Bug     | Closed      | High     | client cn.resolve() follows the redirect  | Rob Nahf | 2012-03-08 05:53 | d1_libclient_java             |
| 8229 | Infrastructure | Bug     | Closed      | Normal   | cn.create failing with "413: Request Entity Too Large" thrown from apache   | Rob Nahf | 2017-12-18 23:45 | d1_cn_buildout                |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category              |
|------|----------------|---------|-------------|----------|--|----------|------------------|-----------------------|
| 2419 | Infrastructure | Bug     | Rejected    | Normal   | cn.describe() throwing NPE when content-length not set                           | Rob Nahf | 2012-03-19 15:56 | d1_libclient_java     |
| 7182 | Infrastructure | Task    | Closed      | Normal   | CN.Diagnostic documentation contains mime part mistakes                          | Rob Nahf | 2015-07-01 16:22 | Architecture Design   |
| 2968 | Java Client    | Bug     | New         | Normal   | cn.getFormat() doesn't use cn associated with the CNode object                   | Rob Nahf | 2015-02-11 20:56 | d1_libclient_java     |
| 2516 | Infrastructure | Bug     | Closed      | Normal   | cn.getLogRecords() errors vs. cn-dev   | Rob Nahf | 2012-03-26 17:29 | d1_cn_solr_extensions |
| 1217 | Infrastructure | Bug     | Closed      | Normal   | cn/object not returning objectlist   | Rob Nahf | 2011-01-12 05:11 | d1_cn_service         |
| 1188 | Infrastructure | Bug     | Closed      | Normal   | CNode.resolve() error handling doesn't catch error-xml return                    | Rob Nahf | 2011-01-10 20:05 | d1_libclient_java     |
| 1113 | Infrastructure | Bug     | Closed      | Normal   | cn/resolve not compatible with new schema structure                              | Rob Nahf | 2010-11-23 09:46 | d1_cn_service         |
| 7313 | Java Client    | Bug     | Closed      | Normal   | cn.synchronize not closing the inputstream.                                      | Rob Nahf | 2015-08-24 19:02 | d1_libclient_java     |
| 6378 | Infrastructure | Task    | Testing     | Normal   | code up the new strategy   | Rob Nahf | 2016-06-22 16:53 | d1_replication        |
| 1083 | Infrastructure | Story   | Closed      | Normal   | Common unicode test guids for java and python libclients                         | Rob Nahf | 2010-11-30 17:41 |                       |
| 7833 | Infrastructure | Task    | Closed      | Normal   | compare JAXB generated class files to current classes                            | Rob Nahf | 2016-08-18 21:44 | d1_common_java        |
| 7852 | Infrastructure | Task    | Closed      | Normal   | compare performance vs JibX  | Rob Nahf | 2016-08-18 21:44 |                       |
| 3343 | Infrastructure | Task    | Closed      | High     | configure CertificateManager to look for trusted certificates outside of package | Rob Nahf | 2012-12-12 18:51 | d1_libclient_java     |
| 6567 | Infrastructure | Task    | Closed      | Normal   | configure ezid-client job for snapshot (trunk / dev)                             | Rob Nahf | 2014-11-13 23:52 | Metacat               |
| 7890 | Infrastructure | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories               | Rob Nahf | 2017-04-19 19:12 |                       |
| 6374 | Infrastructure | Task    | Closed      | Normal   | Configure ReplicationManagerTestUnit with AttemptHistoryRepository               | Rob Nahf | 2016-06-22 16:53 |                       |
| 643  | Infrastructure | Task    | Closed      | Low      | configure & test Cacti for MN monitoring   | Rob Nahf | 2010-06-29 16:31 | d1_monitor            |
| 7463 | Infrastructure | Task    | Closed      | Normal   | configure the HttpClient to allow more parallel connections                      | Rob Nahf | 2016-01-05 19:18 | d1_libclient_java     |
| 4156 | Member Nodes   | Task    | Closed      | Normal   | confirm nodeID is right level of specificity                                     | Rob Nahf | 2014-06-30 17:52 |                       |
| 1090 | Infrastructure | Story   | Closed      | Normal   | Consolidate common test resources into new shared package                        | Rob Nahf | 2014-10-02 17:35 |                       |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                           | Rob Nahf | 2014-10-01 22:04 | d1_integration        |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes                                  | Rob Nahf | 2018-01-17 20:23 | MNWebChecker          |
| 6851 | Java Client    | Story   | Rejected    | Normal   | converting client-side exception to ServiceFailures is confusing                 | Rob Nahf | 2015-08-04 18:51 | d1_common_java        |
| 2127 | Infrastructure | Task    | Closed      | Normal   | correct bugs and inconsistencies   | Rob Nahf | 2011-12-12 17:07 | d1_libclient_java     |
| 5126 | Infrastructure | Task    | Closed      | Normal   | create 1.2.0 tag for d1_common_java  | Rob Nahf | 2014-05-06 17:47 | d1_common_java        |
| 5124 | Infrastructure | Task    | Closed      | Normal   | create 1.3.0 tag for libclient_java  | Rob Nahf | 2014-05-06 17:52 | d1_libclient_java     |
| 711  | Infrastructure | Task    | Closed      | Low      | create and test xpath.xml file for Dryad objectFormat                            | Rob Nahf | 2010-08-02 15:23 | Documentation         |
| 712  | Infrastructure | Task    | Closed      | Low      | create and test xpath.xml file for the KNB objectFormat                          | Rob Nahf | 2010-08-02 15:24 | Documentation         |
| 2728 | Infrastructure | Task    | Closed      | Normal   | create a test object with a complicated access policy                            | Rob Nahf | 2012-05-10 18:52 | d1_integration        |
| 2779 | Infrastructure | Task    | Closed      | Normal   | create authorization methods in d1_common_java                                   | Rob Nahf | 2012-05-17 21:11 | d1_common_java        |
| 1576 | Infrastructure | Task    | Closed      | Normal   | create "buildout" mechanism for the webTesting servlet.                          | Rob Nahf | 2011-05-23 17:52 |                       |

| #    | Project          | Tracker | Status   | Priority | Subject   | Assignee | Updated          | Category                      |
|------|------------------|---------|----------|----------|---|----------|------------------|-------------------------------|
| 1853 | Infrastructure   | Task    | Closed   | Normal   | create convenience methods for search   | Rob Nahf | 2011-10-13 22:48 | d1_libclient_java             |
| 2545 | Infrastructure   | Task    | New      | Normal   | create d1_integration tests using for MN.generateIdentifier   | Rob Nahf | 2014-10-02 17:54 | d1_integration                |
| 2537 | Infrastructure   | Task    | Closed   | Normal   | create d1_integration tests using pidFilter   | Rob Nahf | 2012-05-23 05:52 | d1_integration                |
| 7872 | Infrastructure   | Task    | Closed   | Normal   | create debian packages compatible with Ubuntu-14.04   | Rob Nahf | 2016-10-05 17:37 | d1_cn_buildout                |
| 3432 | DataONE R Client | Task    | Closed   | Normal   | create documentation (.Rd files) for R Client   | Rob Nahf | 2013-02-22 18:53 |                               |
| 1854 | Infrastructure   | Task    | Closed   | Normal   | create getFields() method for accessing Solr fields   | Rob Nahf | 2011-10-13 22:48 | d1_libclient_java             |
| 644  | Infrastructure   | Task    | Closed   | Low      | create instructions for installing nrpe on nodes to be monitored (CNs)  | Rob Nahf | 2010-06-09 06:10 | d1_monitor                    |
| 2950 | Infrastructure   | Story   | Closed   | Normal   | create integration tests for CN-dependent MN calls  | Rob Nahf | 2018-01-17 20:28 | d1_integration                |
| 2641 | Infrastructure   | Task    | Closed   | Normal   | create integration tests for daisy-chained relationships  | Rob Nahf | 2012-05-08 16:44 | d1_integration                |
| 1259 | Infrastructure   | Task    | Closed   | Normal   | create integration tests for this   | Rob Nahf | 2011-03-14 19:05 |                               |
| 2667 | Infrastructure   | Task    | Closed   | Normal   | create java tool for returning equivalent IDs from session  | Rob Nahf | 2012-10-03 15:40 | Authentication, Authorization |
| 2669 | Infrastructure   | Task    | Closed   | Normal   | create java tool for returning isAuthorized given AccessPolicy and list of Subjects                                   | Rob Nahf | 2012-10-03 15:40 | Authentication, Authorization |
| 1256 | Infrastructure   | Task    | Closed   | Normal   | create libclient method tests   | Rob Nahf | 2011-01-24 17:59 | d1_libclient_java             |
| 7845 | Infrastructure   | Task    | Closed   | Normal   | create marshaling adapters to handle malformed (empty) lists  | Rob Nahf | 2016-07-16 17:12 |                               |
| 3771 | Infrastructure   | Task    | Closed   | Normal   | create maven assembly configuration to build the archive  | Rob Nahf | 2013-05-31 16:26 | d1_libclient_java             |
| 6740 | Infrastructure   | Task    | Closed   | Normal   | create more readable test names for users   | Rob Nahf | 2016-01-21 16:09 |                               |
| 1273 | Infrastructure   | Task    | Closed   | Normal   | create new class for assembling and encoding URLs   | Rob Nahf | 2011-01-28 17:27 | d1_common_java                |
| 1272 | Infrastructure   | Task    | Closed   | Normal   | create new class for handling all REST calls  | Rob Nahf | 2011-01-28 17:21 | d1_libclient_java             |
| 4474 | Infrastructure   | Task    | Closed   | Normal   | create new tag release of d1_common_java  | Rob Nahf | 2014-10-02 20:52 | d1_common_java                |
| 4799 | Infrastructure   | Task    | Rejected | High     | create new tag release of d1_jibx_extensions  | Rob Nahf | 2014-05-05 21:47 | zz_d1_jibx_extensions         |
| 5315 | Infrastructure   | Task    | Closed   | Normal   | create new tag release of d1_test_resources (1.2.1)   | Rob Nahf | 2014-05-06 17:55 | d1_common_java                |
| 1114 | Infrastructure   | Task    | Closed   | Normal   | create new test data for the resolve tests  | Rob Nahf | 2010-11-23 09:38 |                               |
| 810  | Infrastructure   | Task    | Closed   | Normal   | create NodeList xml example for documentation   | Rob Nahf | 2010-09-07 04:00 | Documentation                 |
| 1228 | Infrastructure   | Task    | Closed   | Normal   | create parameterless listObjects() in D1Node  | Rob Nahf | 2011-01-14 17:18 |                               |
| 2065 | Infrastructure   | Task    | Closed   | Normal   | create parser for MethodCrossReference  | Rob Nahf | 2011-12-01 17:14 |                               |
| 3930 | Infrastructure   | Task    | Closed   | Normal   | create release process document in Development docs   | Rob Nahf | 2013-08-19 20:59 | d1_libclient_java             |
| 2066 | Infrastructure   | Task    | Closed   | Normal   | create test for looping through all API methods and invoking them   | Rob Nahf | 2011-11-28 23:33 | d1_integration                |
| 2073 | Infrastructure   | Task    | Closed   | Normal   | create tests for exception handling   | Rob Nahf | 2011-12-06 17:10 |                               |
| 642  | Infrastructure   | Task    | Closed   | Low      | Create the plugin executable to call the MN health API method   | Rob Nahf | 2010-06-23 16:47 | d1_monitor                    |
| 3634 | DataONE R Client | Task    | Closed   | Normal   | create unit test for pre-existing D1Object in createDataPackage   | Rob Nahf | 2014-09-10 20:57 |                               |
| 1091 | Infrastructure   | Task    | Closed   | Normal   | create utf-8 formatted text file for the identifier test cases, refactor unit and integration tests to point to those | Rob Nahf | 2010-11-18 23:16 |                               |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category            |
|------|----------------|---------|-------------|----------|--|----------|------------------|---------------------|
| 5125 | Infrastructure | Task    | Closed      | Normal   | create v1.2 branch for common_java   | Rob Nahf | 2014-05-05 21:47 | d1_common_java      |
| 5123 | Infrastructure | Task    | Closed      | Normal   | create v1.3 branch for libclient_java  | Rob Nahf | 2014-05-05 21:47 | d1_libclient_java   |
| 3086 | Infrastructure | Bug     | Closed      | Normal   | d1_auditing_java can't control logging statements.   | Rob Nahf | 2012-08-10 17:19 | d1_libclient_java   |
| 1161 | Infrastructure | Bug     | Closed      | Normal   | d1client error handling not returning error messages   | Rob Nahf | 2010-12-17 20:56 | d1_libclient_java   |
| 7642 | Infrastructure | Bug     | Closed      | Normal   | D1Client.getCN(Session s) method doesn't use the session   | Rob Nahf | 2016-02-16 20:20 | d1_libclient_java   |
| 3028 | Infrastructure | Bug     | Closed      | Normal   | D1Client.getMN(NodeReference) doesn't raise exception when a node not found in nodelist                              | Rob Nahf | 2012-06-28 17:38 | d1_libclient_java   |
| 3666 | Java Client    | Story   | In Progress | Low      | D1Client.listUpdateHistory() needs to handle changing access policies  | Rob Nahf | 2018-01-17 20:19 | d1_libclient_java   |
| 7523 | Infrastructure | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList  | Rob Nahf | 2016-04-19 22:27 | d1_libclient_java   |
| 6512 | Java Client    | Story   | Closed      | Normal   | d1_common_java 2.0.0 release   | Rob Nahf | 2016-06-13 23:57 | d1_common_java      |
| 1222 | Infrastructure | Bug     | Closed      | Normal   | d1_libclient_java cleanup - small errors   | Rob Nahf | 2011-01-14 04:30 | d1_libclient_java   |
| 8022 | Infrastructure | Story   | New         | Normal   | d1_log_aggregation has different version of Hazelcast than the rest of CN stack. Hazelcast version very out of date. | Rob Nahf | 2018-01-09 19:10 | d1_log_aggregation  |
| 7446 | Infrastructure | Story   | Closed      | Normal   | D1Object in libclient should align submitter / rightsHolder setting with sysmeta required fields                     | Rob Nahf | 2015-10-20 18:44 | d1_libclient_java   |
| 2639 | Infrastructure | Story   | Closed      | Normal   | daisy-chain equivalent identities causes problems with transitivity  | Rob Nahf | 2012-05-08 16:45 | d1_common_java      |
| 7650 | Infrastructure | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy  | Rob Nahf | 2018-01-17 19:31 | d1_cn_common        |
| 6499 | Infrastructure | Feature | New         | Normal   | define and implement addFormat() method  | Rob Nahf | 2016-06-22 16:51 | Architecture Design |
| 6622 | Infrastructure | Task    | Closed      | Normal   | deploy CCI-1.5.0 to Production   | Rob Nahf | 2014-12-15 18:01 |                     |
| 1947 | Infrastructure | Support | Closed      | Normal   | deploy MNWebTester for v1.0.0  | Rob Nahf | 2011-12-19 17:27 | d1_integration      |
| 8514 | Infrastructure | Task    | New         | Normal   | deploy new Metacat / synchronization slows down because of increased cn.create times                                 | Rob Nahf | 2018-03-22 17:07 | d1_synchronization  |
| 6726 | Infrastructure | Task    | Rejected    | Normal   | deploy new MN WebTester  | Rob Nahf | 2015-07-01 16:18 |                     |
| 1003 | Infrastructure | Task    | Closed      | Normal   | deploy new resolve for integration and client testing  | Rob Nahf | 2010-10-29 09:13 |                     |
| 6620 | Infrastructure | Task    | Closed      | Normal   | deploy stable CCI-1.5.0 release to STAGE   | Rob Nahf | 2014-11-26 20:35 |                     |
| 6730 | Infrastructure | Story   | Closed      | Normal   | deploy v2 MNWebTester  | Rob Nahf | 2016-02-11 20:49 | d1_integration      |
| 7638 | Infrastructure | Task    | Closed      | Normal   | deprecate the RestClient header methods  | Rob Nahf | 2016-03-25 02:29 | d1_libclient_java   |
| 3540 | Infrastructure | Task    | Closed      | Normal   | design and build getObsoletesChain method  | Rob Nahf | 2014-10-01 23:04 | d1_libclient_java   |
| 3541 | Infrastructure | Task    | Closed      | Normal   | design and build the ObsoletesChain object   | Rob Nahf | 2014-10-01 23:05 | d1_libclient_java   |
| 3676 | Infrastructure | Task    | Closed      | High     | design proposal for archive  | Rob Nahf | 2018-09-21 21:00 | d1_indexer          |
| 6739 | Infrastructure | Task    | Closed      | Normal   | design versioning options and user workflow  | Rob Nahf | 2016-01-21 16:09 | d1_integration      |
| 3772 | Infrastructure | Task    | Closed      | Normal   | determine how to automatically deploy the archives to releases.dataone.org   | Rob Nahf | 2013-05-31 16:26 | d1_libclient_java   |

| #    | Project        | Tracker | Status      | Priority  | Subject   | Assignee | Updated          | Category                      |
|------|----------------|---------|-------------|-----------|---|----------|------------------|-------------------------------|
| 3703 | Infrastructure | Task    | Closed      | Normal    | determine mutability use cases  | Rob Nahf | 2014-09-24 18:26 | Documentation                 |
| 1089 | Infrastructure | Task    | Closed      | Normal    | determine resource organization below the new general path (d1_integration/src/test/resources/d1testdocs)             | Rob Nahf | 2011-01-24 19:30 |                               |
| 6736 | Infrastructure | Task    | Closed      | Normal    | determine reuse design / strategy   | Rob Nahf | 2015-07-01 16:18 |                               |
| 8084 | Infrastructure | Story   | New         | Normal    | determine the backup strategy for rabbitMQ  | Rob Nahf | 2018-01-17 18:46 | d1_indexer                    |
| 8081 | Infrastructure | Story   | In Progress | Normal    | develop federated broker configuration for indexing   | Rob Nahf | 2018-01-17 18:46 | d1_indexer                    |
| 1037 | Infrastructure | Task    | Closed      | Normal    | develop integration tests for the urlencoded OLLs   | Rob Nahf | 2011-01-10 17:24 |                               |
| 3285 | Infrastructure | Task    | Closed      | Normal    | develop libclient developers usage document   | Rob Nahf | 2013-08-14 14:31 | d1_libclient_java             |
| 8061 | Infrastructure | Story   | New         | Normal    | develop queue-based processing system for the CN  | Rob Nahf | 2018-01-17 19:00 | Architecture Design           |
| 1569 | Infrastructure | Task    | Closed      | Normal    | document the testing strategy and design  | Rob Nahf | 2011-05-24 21:13 | d1_integration                |
| 8696 | Infrastructure | Bug     | New         | Urgent    | double indexing of a resource map and another not processed because of resource contention (lock) on member           | Rob Nahf | 2018-09-12 00:22 | d1_indexer                    |
| 7886 | Infrastructure | Bug     | Closed      | Normal    | double xml-escaping allowed by encoding the value upon SolrField creation and SolrElementField serialization          | Rob Nahf | 2016-09-12 21:48 | d1_indexer                    |
| 8700 | Infrastructure | Task    | Closed      | Normal    | downgrade dependencies in indexing trunk to remain consistent with solr 5.2.1   | Rob Nahf | 2018-09-21 20:40 | d1_indexer                    |
| 2022 | Infrastructure | Task    | Closed      | Normal    | duplicate NotImplemented exception for listObjects methods  | Rob Nahf | 2011-12-09 21:22 |                               |
| 4202 | Member Nodes   | Task    | Closed      | Normal    | EDAC node name and description should be more informative   | Rob Nahf | 2014-06-30 17:52 |                               |
| 1699 | Infrastructure | Task    | Rejected    | Normal    | elaborate d1_certificate_manager package for creating self-signed certificates  | Rob Nahf | 2012-02-08 22:34 | Authentication, Authorization |
| 6396 | Infrastructure | Task    | In Progress | Normal    | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf | 2014-10-01 20:34 | MNWebChecker                  |
| 5313 | Java Client    | Task    | New         | Normal    | enable remote deployment of product packages from Hudson / Jenkins  | Rob Nahf | 2015-02-11 20:34 |                               |
| 1847 | Infrastructure | Support | Closed      | Normal    | enable stack trace viewing from mnWebTester   | Rob Nahf | 2011-10-12 16:14 |                               |
| 3594 | Infrastructure | Task    | Closed      | Normal    | enable the systemMetadataChanged tests  | Rob Nahf | 2013-02-20 09:57 | d1_integration                |
| 1078 | Infrastructure | Task    | Closed      | Urgent    | encoding function needed for identifiers in the param section of urls   | Rob Nahf | 2010-11-15 23:26 |                               |
| 2234 | Infrastructure | Task    | Closed      | Normal    | ensure that all content input streams are consumed  | Rob Nahf | 2012-01-19 17:08 | d1_libclient_java             |
| 7398 | Infrastructure | Task    | Closed      | Normal    | ensure that the replica section is added to systemMetadata on the cn during sync                                      | Rob Nahf | 2016-01-05 18:54 | d1_synchronization            |
| 816  | Infrastructure | Task    | Closed      | High      | evaluate monitor plugin for Cacti   | Rob Nahf | 2010-09-14 20:42 | d1_monitor                    |
| 2781 | Infrastructure | Bug     | Closed      | Immediate | ExceptionHandler needs to handle package-qualified exception names  | Rob Nahf | 2012-05-19 09:52 | d1_common_java                |
| 8227 | Infrastructure | Story   | In Progress | Normal    | ExceptionHandler regurgitates long html pages into the wrapping ServiceFailure message, which goes into CN log files. | Rob Nahf | 2018-01-09 19:10 | d1_common_java                |
| 6842 | Java Client    | Task    | Closed      | Normal    | expose the session information in CertificateManager  | Rob Nahf | 2015-02-11 18:32 | d1_libclient_java             |

| #    | Project        | Tracker | Status      | Priority  | Subject  | Assignee | Updated          | Category            |
|------|----------------|---------|-------------|-----------|--|----------|------------------|---------------------|
| 4158 | Member Nodes   | Task    | Closed      | Normal    | find and fix the cn-replication issue in stage                                     | Rob Nahf | 2014-06-30 17:52 |                     |
| 987  | Infrastructure | Task    | Closed      | Normal    | find root cause : rebuild the DataSource in cacti                                  | Rob Nahf | 2010-11-30 21:10 |                     |
| 2640 | Infrastructure | Task    | Closed      | Normal    | fix AuthUtils implementation   | Rob Nahf | 2012-05-02 18:07 | d1_common_java      |
| 4160 | Member Nodes   | Task    | Closed      | Normal    | fix baseurl of the Node document   | Rob Nahf | 2014-06-30 17:52 |                     |
| 7536 | Infrastructure | Task    | Closed      | Normal    | fix D1Client so that it refreshes the nodelist if MN not found                     | Rob Nahf | 2015-12-10 16:52 | d1_libclient_java   |
| 2752 | Infrastructure | Task    | Rejected    | Urgent    | fix determinSession() method   | Rob Nahf | 2012-05-11 19:51 | d1_libclient_java   |
| 4169 | Member Nodes   | Task    | Closed      | Normal    | fix listObjects so that obsoleted objects are listed                               | Rob Nahf | 2014-06-30 17:52 |                     |
| 2747 | Infrastructure | Task    | Closed      | Normal    | fix testListObjects_FormatIDFilter test to work around the limitation              | Rob Nahf | 2012-10-08 16:51 | d1_integration      |
| 1258 | Infrastructure | Task    | Closed      | High      | flesh out unit and integration tests   | Rob Nahf | 2011-02-03 19:07 | d1_libclient_java   |
| 8779 | Infrastructure | Story   | New         | Normal    | ForesiteResourceMap performance issue  | Rob Nahf | 2019-03-25 18:48 | d1_indexer          |
| 3341 | Infrastructure | Bug     | Closed      | High      | found unclosed PEMReaders in libclient (CertMan). need to fix in v1.0 branch       | Rob Nahf | 2013-03-01 20:04 | d1_libclient_java   |
| 2625 | Infrastructure | Story   | Closed      | Normal    | generate test certificates under the new dataone (test) CA                         | Rob Nahf | 2012-05-19 09:48 | d1_integration      |
| 1291 | Infrastructure | Task    | Closed      | Normal    | get operations not received by D1 servers  | Rob Nahf | 2011-02-03 19:19 |                     |
| 833  | Infrastructure | Task    | Closed      | High      | get remaining nodes set up with dataone_monitor user to enable monitoring          | Rob Nahf | 2010-10-27 15:37 | d1_monitor          |
| 7379 | Infrastructure | Bug     | Closed      | Normal    | GMN could not save Node document with null NodeReplicationPolicy.max size property | Rob Nahf | 2016-08-01 10:49 | d1_cn_node_registry |
| 8734 | Infrastructure | Story   | New         | Normal    | Hazelcast shutdown tied to out of memory exception!                                | Rob Nahf | 2018-10-18 16:55 | Metacat             |
| 1326 | Infrastructure | Bug     | Closed      | Normal    | health stats monitor not working for member nodes not using /mn                    | Rob Nahf | 2011-02-09 21:34 | d1_monitor          |
| 3971 | Infrastructure | Story   | Rejected    | Normal    | High Level ITK Developer Guide   | Rob Nahf | 2018-01-17 20:09 |                     |
| 7946 | Infrastructure | Story   | Closed      | Normal    | historical schema incompliant entries in CN storage causing CN_Read errors         | Rob Nahf | 2016-11-30 19:47 | Metacat             |
| 8738 | Infrastructure | Story   | In Progress | Normal    | HZEventFilter performance decline with increased task queue                        | Rob Nahf | 2018-10-30 04:10 | d1_indexer          |
| 1606 | Infrastructure | Task    | Closed      | Normal    | implement 0.6.2 interfaces in d1_libclient_java (D1Node, MNode, CNode)             | Rob Nahf | 2011-08-16 18:13 | d1_libclient_java   |
| 7131 | Java Client    | Task    | Closed      | Normal    | implement a TLS protocol preference property in auth.properties                    | Rob Nahf | 2015-05-26 23:35 | d1_libclient_java   |
| 3851 | Member Nodes   | Task    | Closed      | High      | implement mn_read.getReplica()   | Rob Nahf | 2014-06-30 17:52 |                     |
| 3852 | Member Nodes   | Task    | Closed      | Normal    | implement mn_read.synchronizationFailed()  | Rob Nahf | 2014-06-30 17:52 |                     |
| 774  | Infrastructure | Task    | Closed      | Immediate | implement Node Registry lookup for resolve function                                | Rob Nahf | 2010-10-21 21:17 | d1_cn_service       |
| 7132 | Java Client    | Task    | Closed      | Normal    | implement protocol preference in d1_libclient_java v1.4 branch                     | Rob Nahf | 2015-05-26 23:30 | d1_libclient_java   |
| 7133 | Java Client    | Task    | Closed      | Normal    | implement protocol preference in d1_libclient_java v2.0 (trunk)                    | Rob Nahf | 2015-05-26 23:31 | d1_libclient_java   |
| 1852 | Infrastructure | Task    | Closed      | Normal    | implement search(SolrQuery) method in CNode  | Rob Nahf | 2011-10-13 16:14 | d1_libclient_java   |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|----------|------------------|---------------------|
| 8082 | Infrastructure | Story   | New         | Normal   | implement SolrCloudClient to replace HttpService to allow concurrent updates of the solr index from differen machines | Rob Nahf | 2018-01-09 19:10 | d1_indexer          |
| 1568 | Infrastructure | Task    | Closed      | Normal   | implement the response format from wstest package (results.html)  | Rob Nahf | 2011-05-27 19:44 | d1_integration      |
| 3627 | Infrastructure | Bug     | Rejected    | Normal   | inconsistent SSL peer not auth exceptions with KNB content (godaddy CA)   | Rob Nahf | 2013-02-28 22:39 | d1_client_r         |
| 8537 | Infrastructure | Story   | New         | Normal   | indexer doesn't populate SID-defined relationships unless new resourceMap is submitted                                | Rob Nahf | 2018-04-09 22:51 | d1_indexer          |
| 8363 | Infrastructure | Story   | New         | Normal   | indexer shutdown generates index tasks  | Rob Nahf | 2018-09-24 15:25 | d1_indexer          |
| 8702 | Infrastructure | Story   | New         | Normal   | Indexing Refactor Strategy  | Rob Nahf | 2018-09-24 18:05 | d1_indexer          |
| 8731 | Infrastructure | Bug     | New         | Normal   | Indexing solr client method is building query with too many ORs, causing errors                                       | Rob Nahf | 2018-10-04 22:25 | d1_indexer          |
| 8724 | Infrastructure | Bug     | New         | Normal   | index out of bounds error in PortalCertificateManager   | Rob Nahf | 2018-10-02 19:11 | d1_portal           |
| 7881 | Infrastructure | Bug     | Closed      | Normal   | index processor is failing on documents containing certain characters   | Rob Nahf | 2016-09-08 21:11 | d1_indexer          |
| 8361 | Infrastructure | Bug     | New         | Normal   | index processor throws unhandled NPE if task systemMetadata is null   | Rob Nahf | 2018-03-22 16:54 | d1_indexer          |
| 8541 | Infrastructure | Bug     | New         | Normal   | index shutdown threw exception  | Rob Nahf | 2018-04-12 16:44 | d1_indexer          |
| 1405 | Infrastructure | Task    | Closed      | Normal   | Infrastructure monitoring: add \$VERSION to scripts, etc.   | Rob Nahf | 2011-11-17 17:35 |                     |
| 2782 | Infrastructure | Task    | Closed      | Normal   | install new test client certificates onto dev-testing (Hudson)  | Rob Nahf | 2012-05-19 08:11 | Support Operations  |
| 2783 | Infrastructure | Task    | Closed      | Normal   | install new test client certificates onto mncheck ("MN Web Tester")   | Rob Nahf | 2012-05-19 09:45 | d1_integration      |
| 8062 | Infrastructure | Story   | Closed      | Normal   | Install rabbitMQ on dev CNs   | Rob Nahf | 2017-04-06 22:33 | Architecture Design |
| 6566 | Infrastructure | Task    | Closed      | Normal   | install the git plugin on Jenkins   | Rob Nahf | 2014-11-13 23:50 | Support Operations  |
| 3672 | Infrastructure | Task    | Rejected    | Normal   | integration test for checking archived upon udate   | Rob Nahf | 2013-03-22 17:49 | d1_integration      |
| 2064 | Infrastructure | Story   | Closed      | Normal   | integration testing client vs architecture  | Rob Nahf | 2012-02-07 23:47 | d1_integration      |
| 1899 | Infrastructure | Story   | Closed      | High     | Integration Testing: test for correct response to invalid input   | Rob Nahf | 2013-01-02 15:57 | d1_integration      |
| 7462 | Infrastructure | Bug     | Closed      | Normal   | integration tests are getting frequent read timeouts  | Rob Nahf | 2016-01-19 18:41 | d1_integration      |
| 8540 | Infrastructure | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf | 2018-04-12 04:32 | d1_indexer          |
| 6559 | Infrastructure | Task    | Closed      | Normal   | in v1 , turn off localCache by default, and add a size limit to avoid out of memory issues.                           | Rob Nahf | 2014-12-15 18:37 | d1_libclient_java   |
| 6560 | Java Client    | Story   | Closed      | Normal   | in v2, remove LocalCache from get and getSytemMetadata calls  | Rob Nahf | 2016-04-19 23:14 | d1_libclient_java   |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf | 2018-01-17 18:39 | d1_indexer          |
| 6849 | Java Client    | Story   | Rejected    | Normal   | investigate multiple SSLConnection errors reported from sync.   | Rob Nahf | 2015-02-11 20:21 |                     |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic                                    | Rob Nahf | 2017-05-09 22:55 | d1_indexer          |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee | Updated          | Category               |
|------|----------------|---------|-------------|----------|---|----------|------------------|------------------------|
| 4161 | Member Nodes   | Task    | Closed      | Normal   | issue and install production certificates   | Rob Nahf | 2014-06-30 17:52 |                        |
| 3769 | Infrastructure | Task    | Closed      | Normal   | Jibx-bind dependencies in d1_common_java are showing up in d1_libclient_java as dependencies    | Rob Nahf | 2013-06-05 22:11 | d1_common_java         |
| 6765 | Java Client    | Bug     | New         | Normal   | jibx-maven-plugin incompatible with Java 8  | Rob Nahf | 2015-01-19 23:17 |                        |
| 3165 | Java Client    | Bug     | New         | Low      | Libclient caching does not respect accessPolicies   | Rob Nahf | 2015-02-11 18:37 | d1_libclient_java      |
| 4475 | Infrastructure | Story   | Closed      | Normal   | libclient_java 1.3.0 Release  | Rob Nahf | 2015-02-11 20:40 | d1_libclient_java      |
| 6510 | Infrastructure | Task    | Closed      | Normal   | libclient_java 1.3.1 Release  | Rob Nahf | 2015-02-11 20:22 | d1_libclient_java      |
| 6508 | Java Client    | Story   | Rejected    | Normal   | libclient_java 1.4.0 Release  | Rob Nahf | 2018-01-17 19:48 | d1_libclient_java      |
| 6509 | Java Client    | Story   | Closed      | Normal   | libclient_java 2.0 Release  | Rob Nahf | 2016-06-13 23:55 | d1_libclient_java      |
| 7826 | Java Client    | Bug     | Closed      | Normal   | libclient_java susceptible to hangs due to network issues                                       | Rob Nahf | 2017-03-28 18:07 | d1_libclient_java      |
| 4201 | Member Nodes   | Task    | Closed      | Normal   | listObjects fromDate parameter is not millisecond precision                                     | Rob Nahf | 2014-06-30 17:52 |                        |
| 3105 | Infrastructure | Story   | Closed      | Normal   | LocalCache doesn't expose or document a way to shutdown the JCS caches                          | Rob Nahf | 2012-07-26 21:09 | d1_libclient_java      |
| 3104 | Infrastructure | Bug     | Rejected    | Normal   | LocalCache in libclient_java can't be disabled  | Rob Nahf | 2012-07-26 22:16 | d1_libclient_java      |
| 7378 | Infrastructure | Task    | Closed      | Normal   | log occasions when an objectFormat is updated from a DATA one to a METADATA or RESOURCE_MAP one | Rob Nahf | 2015-09-23 21:07 | d1_synchronization     |
| 7538 | Infrastructure | Task    | New         | Normal   | look at nodeFactory in how it builds mock CNodes  | Rob Nahf | 2015-12-10 17:03 | d1_libclient_java      |
| 6845 | Java Client    | Task    | Closed      | Normal   | Look into why the CNs are hanging connections   | Rob Nahf | 2016-05-07 07:52 | d1_libclient_java      |
| 3297 | Infrastructure | Story   | Closed      | Normal   | make libclient useable for developers   | Rob Nahf | 2013-08-19 21:00 | d1_libclient_java      |
| 7636 | Infrastructure | Task    | Closed      | Normal   | make singletons thread-safe   | Rob Nahf | 2016-04-01 17:19 | d1_libclient_java      |
| 1948 | Infrastructure | Task    | Closed      | Normal   | manually deploy and new 1.0.0 MNWebTester   | Rob Nahf | 2011-10-28 16:43 |                        |
| 1274 | Infrastructure | Task    | Closed      | Normal   | map existing public methods to new classes.   | Rob Nahf | 2011-03-14 18:36 | d1_libclient_java      |
| 3770 | Infrastructure | Story   | Closed      | Normal   | member nodes want to be able to use libclient without having to rely on maven                   | Rob Nahf | 2013-06-05 22:13 | d1_libclient_java      |
| 1566 | Infrastructure | Support | Closed      | Normal   | member node web testing   | Rob Nahf | 2011-08-30 16:59 | d1_integration         |
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                              | Rob Nahf | 2018-01-17 19:51 | MNWebChecker           |
| 6157 | Infrastructure | Task    | Closed      | Normal   | merge d1_cn_nodeRegistry changes from trunk to new branch                                       | Rob Nahf | 2016-02-09 18:50 | d1_cn_node_registry    |
| 3282 | Infrastructure | Task    | Closed      | High     | merge schema 1.1 branch to trunk, repoint d1_common_java to it                                  | Rob Nahf | 2012-10-25 15:10 | d1_schemas             |
| 1350 | Infrastructure | Bug     | Closed      | Normal   | metacat and libclient_java still use 'obsoletedGuid' as a MMP part name                         | Rob Nahf | 2011-03-28 15:04 |                        |
| 1184 | Infrastructure | Bug     | Closed      | High     | metacat returning SAXParseException for encoded identifier                                      | Rob Nahf | 2011-01-04 21:21 |                        |
| 7832 | Infrastructure | Story   | In Progress | Normal   | migrate from JibX to JAXB for XML binding / codegen   | Rob Nahf | 2018-01-17 19:06 | d1_common_java         |
| 4693 | Infrastructure | Task    | Closed      | Normal   | migrate Hudson jobs to Jenkins  | Rob Nahf | 2014-09-24 18:28 | Environment.Production |
| 2312 | Infrastructure | Task    | Closed      | Urgent   | minor refactor of ObjectFormatCache for better stability  | Rob Nahf | 2012-02-11 02:28 | d1_libclient_java      |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|----------|------------------|---------------------|
| 1617 | Infrastructure | Bug     | Closed      | Normal   | misplaced D1Client.getCN() in MNode constructor                           | Rob Nahf | 2011-06-27 16:22 |                     |
| 7445 | Infrastructure | Bug     | Closed      | Low      | missing maven artifact jdbc-stdext preventing libclient_java build        | Rob Nahf | 2015-10-20 18:36 | d1_libclient_java   |
| 1076 | Infrastructure | Bug     | Closed      | Urgent   | mn.create() not encoding PIDs correctly.                                  | Rob Nahf | 2011-01-10 17:28 | d1_libclient_java   |
| 4203 | Member Nodes   | Task    | Closed      | Normal   | mn.describe is not returning DataONE-specific headers                     | Rob Nahf | 2014-06-30 17:52 |                     |
| 872  | Infrastructure | Task    | Closed      | High     | mn health monitoring: rewrite health stats cacti plugin                   | Rob Nahf | 2010-09-21 20:58 | d1_monitor          |
| 1665 | Infrastructure | Bug     | Closed      | Normal   | MN Tier1 api documentation changes and implementation verification        | Rob Nahf | 2011-10-25 18:56 | Documentation       |
| 1040 | Infrastructure | Task    | Closed      | Normal   | modify cn/resolve default location for schemas to the local machine       | Rob Nahf | 2010-11-09 20:41 |                     |
| 835  | Infrastructure | Task    | Closed      | High     | modify disk capacity monitoring graph to report back Gb available         | Rob Nahf | 2010-09-14 20:45 | d1_monitor          |
| 2129 | Infrastructure | Task    | Closed      | Normal   | modify ExceptionHandler to handle HEAD exceptions                         | Rob Nahf | 2011-12-09 19:32 | d1_common_java      |
| 6035 | Infrastructure | Task    | Closed      | Normal   | Modify NodeAccess methods to include NodeReplicationPolicy attributes     | Rob Nahf | 2016-02-09 18:50 | d1_cn_node_registry |
| 7172 | Infrastructure | Task    | Closed      | Normal   | modify updateSystemMetadata documentation                                 | Rob Nahf | 2015-07-01 16:22 | Architecture Design |
| 1571 | Infrastructure | Task    | Rejected    | Normal   | move all existing java tests to src/main/java                             | Rob Nahf | 2011-05-27 19:39 | d1_integration      |
| 1124 | Infrastructure | Task    | Closed      | Normal   | move common test resources to own package under /software/cicore/{trunk/} | Rob Nahf | 2011-05-04 16:14 | Documentation       |
| 1092 | Infrastructure | Task    | Closed      | Normal   | move the file to the common resource location being defined in #1086      | Rob Nahf | 2010-11-30 17:41 |                     |
| 1655 | Infrastructure | Bug     | Closed      | Normal   | multipart classes not cleaning up temp files                              | Rob Nahf | 2011-07-01 22:01 | d1_common_java      |
| 5311 | Infrastructure | Bug     | Closed      | Normal   | MultipartRequestResolver leaking resources (open file handles)            | Rob Nahf | 2014-05-02 18:14 | d1_common_java      |
| 3706 | Infrastructure | Task    | Closed      | Normal   | mutability: component implementation designs                              | Rob Nahf | 2015-11-10 14:50 |                     |
| 3704 | Infrastructure | Task    | Closed      | Normal   | mutability requirements analysis  | Rob Nahf | 2015-11-10 14:50 | Documentation       |
| 3705 | Infrastructure | Task    | Closed      | Normal   | mutability support solution design  | Rob Nahf | 2015-11-10 14:50 | Documentation       |
| 4163 | Member Nodes   | Task    | Closed      | Normal   | mutually accept the deployment  | Rob Nahf | 2014-06-30 17:52 |                     |
| 2727 | Infrastructure | Story   | Closed      | Normal   | need to test multi-rule access policy                                     | Rob Nahf | 2012-05-10 18:54 | d1_integration      |
| 3369 | Infrastructure | Bug     | Closed      | Normal   | new HttpClient version causing SSLSocketException: "Socket is closed"     | Rob Nahf | 2014-12-15 18:32 | d1_libclient_java   |
| 3009 | Infrastructure | Bug     | Closed      | Normal   | NodelistUtil select methods buggy   | Rob Nahf | 2012-06-28 17:41 | d1_common_java      |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail                              | Rob Nahf | 2018-10-18 18:33 | d1_indexer          |
| 7546 | Infrastructure | Bug     | Closed      | Normal   | ObjectFormatCache can't be instantiated if local file is not findable     | Rob Nahf | 2016-02-10 21:44 | d1_libclient_java   |
| 7959 | Infrastructure | Bug     | Closed      | Urgent   | ObjectListHarvestTask needs refactoring                                   | Rob Nahf | 2017-12-26 18:20 | d1_synchronization  |
| 4171 | Member Nodes   | Task    | Closed      | Normal   | obsolescence chains are branched  | Rob Nahf | 2014-06-30 17:52 |                     |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects                  | Rob Nahf | 2018-09-21 21:01 | d1_indexer          |
| 1223 | Infrastructure | Feature | Closed      | Normal   | parameterless listObject methods in d1_libclient_java                     | Rob Nahf | 2011-01-15 00:00 | d1_libclient_java   |



| #    | Project          | Tracker | Status      | Priority  | Subject  | Assignee | Updated          | Category                      |
|------|------------------|---------|-------------|-----------|--|----------|------------------|-------------------------------|
| 993  | Infrastructure   | Task    | Closed      | Immediate | parse sysMD and create OLL   | Rob Nahf | 2010-10-13 22:01 |                               |
| 1077 | Infrastructure   | Task    | Closed      | Urgent    | pct-escaping in D1Node.java or MNode.java  | Rob Nahf | 2010-12-04 00:20 | d1_libclient_java             |
| 7675 | Java Client      | Bug     | Closed      | Normal    | Pooling connection manager leaves sockets in CLOSE_WAIT state                        | Rob Nahf | 2016-04-01 17:28 | d1_libclient_java             |
| 7868 | Infrastructure   | Bug     | New         | Normal    | potential gaps between log harvests  | Rob Nahf | 2017-03-23 15:40 | d1_log_aggregation            |
| 8079 | Infrastructure   | Task    | In Progress | Normal    | prototype durable task processing for d1_index_processor                             | Rob Nahf | 2017-04-26 05:45 | d1_indexer                    |
| 3280 | Infrastructure   | Task    | Closed      | Normal    | put d1_libclient_java jar on releases.dataone.org                                    | Rob Nahf | 2013-08-14 14:31 | d1_libclient_java             |
| 992  | Infrastructure   | Task    | Closed      | Immediate | read and parse the nodelist  | Rob Nahf | 2010-10-12 15:49 |                               |
| 3144 | Infrastructure   | Bug     | Closed      | Normal    | Recent WebTester's not accepting baseurl's   | Rob Nahf | 2012-08-17 16:12 | d1_integration                |
| 6729 | Infrastructure   | Task    | Closed      | Normal    | refactor architecture tests for v2 client  | Rob Nahf | 2015-07-01 16:18 |                               |
| 2328 | Infrastructure   | Task    | Closed      | Normal    | refactor authorization tests according to testing design                             | Rob Nahf | 2012-02-24 17:57 | d1_integration                |
| 7060 | Java Client      | Story   | Rejected    | High      | refactor CertificateManager to specify TLSv1.2 in v1.x branch                        | Rob Nahf | 2015-05-26 23:32 | d1_libclient_java             |
| 2784 | Infrastructure   | Task    | Closed      | Normal    | refactor certificates out of d1_integration package (svn)                            | Rob Nahf | 2012-05-19 08:14 | Authentication, Authorization |
| 2236 | Infrastructure   | Task    | Closed      | Normal    | refactor client methods to explicitly close the connection after consuming content   | Rob Nahf | 2012-01-19 17:12 | d1_libclient_java             |
| 2274 | Infrastructure   | Task    | Rejected    | Urgent    | refactor cn.listSubjects to return SubjectList (as documented)                       | Rob Nahf | 2012-01-31 22:07 | d1_libclient_java             |
| 4789 | Infrastructure   | Task    | Closed      | Normal    | Refactor comparators for release   | Rob Nahf | 2014-05-05 21:47 | d1_libclient_java             |
| 3475 | DataONE R Client | Task    | Closed      | Normal    | refactor createDataPackage   | Rob Nahf | 2013-03-01 22:17 |                               |
| 1250 | Infrastructure   | Task    | Closed      | Normal    | refactor create servlet to accept the new call                                       | Rob Nahf | 2011-03-02 18:48 | Metacat                       |
| 6724 | Infrastructure   | Task    | Closed      | Normal    | refactor d1_integration for v2   | Rob Nahf | 2016-03-25 01:21 | d1_integration                |
| 1088 | Infrastructure   | Task    | Closed      | Normal    | refactor d1_integration tests to point to new resource hierarchy                     | Rob Nahf | 2010-11-19 00:24 |                               |
| 1513 | Infrastructure   | Task    | Closed      | Normal    | refactor d1_libclient_java to accomodate the new exception                           | Rob Nahf | 2011-05-02 15:57 |                               |
| 1700 | Infrastructure   | Task    | Rejected    | Normal    | refactor d1_libclient_java to support use of multiple certificates                   | Rob Nahf | 2012-02-08 22:29 | d1_libclient_java             |
| 1271 | Infrastructure   | Story   | Closed      | High      | Refactor d1_libclient_java to work with new MMP handlers                             | Rob Nahf | 2011-03-14 18:39 | d1_libclient_java             |
| 1229 | Infrastructure   | Task    | Closed      | Normal    | refactor D1Node.sendRequest for consistent returns on errors                         | Rob Nahf | 2011-01-14 04:29 | d1_libclient_java             |
| 1570 | Infrastructure   | Task    | Closed      | Normal    | refactor existing java tests to accept System parameters passed in from the servlet  | Rob Nahf | 2011-08-16 18:16 | d1_integration                |
| 3281 | Infrastructure   | Story   | Closed      | Normal    | refactor "facade" methods from D1Object  | Rob Nahf | 2013-08-07 19:26 | d1_libclient_java             |
| 2237 | Infrastructure   | Task    | Closed      | Normal    | refactor get() and getReplica() to buffer the input stream to allow connection close | Rob Nahf | 2012-01-19 19:39 | d1_libclient_java             |
| 6788 | Java Client      | Task    | Closed      | Normal    | refactor how the Multipart*Nodes get their rest client                               | Rob Nahf | 2015-02-11 18:33 | d1_libclient_java             |
| 2517 | Infrastructure   | Task    | Rejected    | Normal    | refactor IdentityManager's CNIdentityLDAPImpl.getSubjectInfo() to throw NotFound     | Rob Nahf | 2012-03-22 20:41 | d1_identity_manager           |
| 7836 | Infrastructure   | Task    | Closed      | Normal    | refactor JiBXException out of TypeMarshaller methods                                 | Rob Nahf | 2016-07-07 20:21 | d1_common_java                |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category              |
|------|----------------|---------|-------------|----------|--|----------|------------------|-----------------------|
| 2253 | Java Client    | Story   | Rejected    | Normal   | refactor libclient_java communication to enable unit testing via mock client                   | Rob Nahf | 2018-01-17 20:39 | d1_libclient_java     |
| 2246 | Java Client    | Story   | Closed      | Normal   | refactor libclient_java connection management  | Rob Nahf | 2015-08-04 18:42 | d1_libclient_java     |
| 7633 | Infrastructure | Task    | Closed      | Normal   | refactor libclient to remove synchronized from the 2 key methods                               | Rob Nahf | 2016-04-01 17:21 | d1_libclient_java     |
| 7634 | Infrastructure | Task    | Closed      | Normal   | refactor libclient to use the custom socket configuration...                                   | Rob Nahf | 2016-02-03 22:00 | d1_libclient_java     |
| 1507 | Infrastructure | Task    | Rejected    | Normal   | refactor MetacatRestClient.sendData to match current dataone spec (mime multipart)             | Rob Nahf | 2011-05-02 16:10 |                       |
| 878  | Infrastructure | Task    | Rejected    | High     | Refactor mn-health monitoring script to more generalized form                                  | Rob Nahf | 2012-10-16 19:51 | d1_monitor            |
| 1231 | Infrastructure | Task    | Closed      | Normal   | refactor MN.listObjects(...) method to allow no parameters                                     | Rob Nahf | 2011-01-14 23:58 | d1_libclient_java     |
| 6375 | Infrastructure | Task    | In Progress | Normal   | Refactor out dependency on a working CN  | Rob Nahf | 2016-06-22 16:53 | d1_replication        |
| 1115 | Infrastructure | Task    | Rejected    | Normal   | refactor ResolveFilter.java code to produce v0.5.1 objectlocationlists                         | Rob Nahf | 2010-11-23 09:43 |                       |
| 1215 | Infrastructure | Task    | Closed      | Normal   | refactor ResolveFilter to set the statusCode on error situations.                              | Rob Nahf | 2011-01-10 20:04 | d1_cn_service         |
| 2518 | Infrastructure | Task    | Closed      | Normal   | refactor SessionAuthorization.doFilter()   | Rob Nahf | 2012-03-23 22:43 | d1_cn_solr_extensions |
| 7428 | Infrastructure | Task    | Closed      | Normal   | refactor synchronization to not rely on hasReservation returning IdentifierNotUnique           | Rob Nahf | 2016-03-25 01:11 | d1_synchronization    |
| 2271 | Infrastructure | Task    | Closed      | Normal   | refactor test object procurement methods to work with pre-populated test objects.              | Rob Nahf | 2012-02-13 23:17 |                       |
| 6727 | Infrastructure | Task    | Closed      | Normal   | refactor tests for reuse   | Rob Nahf | 2015-07-01 16:18 | d1_integration        |
| 3125 | Infrastructure | Task    | Closed      | Normal   | refactor the web-test http servlet to stream test results as they come in                      | Rob Nahf | 2014-10-02 17:43 | d1_integration        |
| 1696 | Infrastructure | Bug     | Closed      | Normal   | reference to CN_crud.reserveldentifier() in docs   | Rob Nahf | 2011-10-25 16:32 | Documentation         |
| 4162 | Member Nodes   | Task    | Closed      | Normal   | register to Production   | Rob Nahf | 2014-06-30 17:52 |                       |
| 6372 | Infrastructure | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests   | Rob Nahf | 2016-06-22 16:53 | d1_replication        |
| 2321 | Infrastructure | Task    | Closed      | Normal   | reimplement D1Object.setPublicAccess to call cn.setAccessPolicy instead of mn.setAccessPolicy. | Rob Nahf | 2012-02-11 02:31 |                       |

...