

## Issues

| #    | Project               | Tracker | Status      | Priority | Subject   | Assignee | Updated          | Category                      |
|------|-----------------------|---------|-------------|----------|---|----------|------------------|-------------------------------|
| 4052 | Infrastructure        | Story   | In Progress | Normal   | OPeNDAP MN Story  |          | 2013-10-06 20:07 | mn.OPeNDAP                    |
| 4091 | Infrastructure        | Story   | New         | Normal   | ESRI GeoPortal MN stack   |          | 2013-10-15 13:36 |                               |
| 8208 | Infrastructure        | Story   | New         | Normal   | Review and adjust memory allocated to d1-index-task-generator and d1-index-task-processor |          | 2018-01-09 19:10 |                               |
| 8207 | Infrastructure        | Story   | New         | Normal   | review and adjust memory allocated to d1-processing                                       |          | 2018-01-09 19:10 |                               |
| 8204 | Infrastructure        | Story   | New         | Normal   | Adjust memory allocation for services running under JVM on CNs                            |          | 2018-01-09 19:10 |                               |
| 8049 | Infrastructure        | Story   | In Progress | Normal   | Support synchronization of system metadata for unhosted METADATA and RES_MAP objects      |          | 2018-01-17 18:50 | Architecture Design           |
| 7807 | Infrastructure        | Story   | New         | Low      | cn.synchronize should support synchronization failure corrections.                        |          | 2018-01-17 19:15 | Architecture Design           |
| 7224 | Infrastructure        | Story   | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option            |          | 2018-01-17 19:38 | Architecture Design           |
| 6883 | Infrastructure        | Story   | New         | Normal   | support for ESRI Shapefile object format  |          | 2018-01-17 19:40 | Format ID                     |
| 2548 | Infrastructure        | Story   | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users            |          | 2018-01-17 20:36 | Authentication, Authorization |
| 1644 | DataONE API           | Story   | New         | Normal   | Develop an object format creation policy  |          | 2018-01-17 20:46 |                               |
| 5895 | Member Nodes          | Story   | New         | Normal   | GBIF: Transition to production  |          | 2018-01-22 18:41 |                               |
| 8340 | Testing MN Management | Story   | New         | Normal   | Discovery   |          | 2018-02-08 15:28 |                               |
| 8343 | Testing MN Management | Story   | New         | Normal   | Planning  |          | 2018-02-08 15:28 |                               |
| 8347 | Testing MN Management | Story   | New         | Normal   | Testing & Development   |          | 2018-02-08 15:28 |                               |
| 8352 | Testing MN Management | Story   | New         | Normal   | Move to Production  |          | 2018-02-08 15:28 |                               |
| 8381 | Testing MN Management | Story   | New         | Normal   | Discovery   |          | 2018-02-27 17:32 |                               |
| 8463 | Testing MN Management | Story   | New         | Normal   | test: Testing & Development   |          | 2018-03-01 21:04 |                               |
| 8515 | Testing MN Management | Story   | New         | Normal   | meow: Move to Production  |          | 2018-03-22 20:45 |                               |
| 8521 | Member Nodes          | Story   | New         | Normal   | CAFF: Testing & Development   |          | 2018-04-06 15:17 |                               |
| 8568 | Member Nodes          | Story   | New         | Normal   | (CyVerse) Move to production  |          | 2018-04-23 21:18 |                               |
| 8589 | Member Nodes          | Story   | New         | Normal   | ARM: Re-Discovery & Planning  |          | 2018-05-10 21:44 |                               |
| 8727 | Member Nodes          | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |          | 2019-01-22 18:34 |                               |
| 8736 | Infrastructure        | Story   | New         | Normal   | Decouple the index generator to the hazelcast system metadata map                         |          | 2019-01-22 19:27 | d1_indexer                    |
| 5867 | Member Nodes          | Story   | New         | Normal   | GBIF: Registration in Production environment  |          | 2019-01-24 17:08 |                               |

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| 5838 | Member Nodes   | Story   | New         | Normal   | GBIF: Testing  |          | 2019-01-28 14:39 |                   |
| 8762 | Infrastructure | Story   | New         | Normal   | Add new formats to CN  |          | 2019-02-07 20:03 |                   |
| 5833 | Member Nodes   | Story   | In Progress | Normal   | GBIF: Developing   |          | 2019-02-19 18:24 |                   |
| 8806 | Infrastructure | Story   | New         | Normal   | Cleanup from OS upgrades   |          | 2019-05-21 12:45 |                   |
| 8364 | CN REST        | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates   |          | 2019-05-21 12:57 | d1_portal_servlet |
| 8819 | Member Nodes   | Story   | New         | Normal   | IEDA documents not in DataONE  |          | 2019-06-13 19:20 |                   |
| 8842 | Infrastructure | Story   | New         | Normal   | Some exceptions in Metacat   |          | 2019-09-19 17:53 |                   |
| 8848 | Infrastructure | Story   | New         | Normal   | A minor difference of annotation index between CN and MN   |          | 2019-11-01 21:37 |                   |
| 8853 | Infrastructure | Story   | New         | Normal   | Make cn.resolve smarter  |          | 2019-11-15 16:50 |                   |
| 8856 | Infrastructure | Story   | New         | Normal   | Put the system metadata part ahead of the object part when d1_client_python constructs the multipart |          | 2019-11-22 18:31 | d1_python         |
| 991  | Infrastructure | Task    | New         | Low      | implement HEAD /resolve/<guid>   |          | 2010-10-13 22:02 |                   |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs  |          | 2010-10-21 14:55 |                   |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs  |          | 2010-10-25 16:45 |                   |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build   |          | 2011-01-13 14:41 | Metacat           |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                                    |          | 2011-01-13 14:57 | d1_cn_buildout    |
| 1234 | Infrastructure | Task    | New         | Normal   | Record performance metrics for member nodes  |          | 2011-01-15 02:52 |                   |
| 1236 | Infrastructure | Task    | New         | Normal   | Highly variable response times from cn.dataone.org   |          | 2011-01-17 16:34 | d1_cn_service     |
| 1331 | Infrastructure | Task    | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()   |          | 2011-02-09 22:44 |                   |
| 1333 | Infrastructure | Task    | New         | Normal   | traceInformation -> trace  |          | 2011-02-09 22:46 |                   |
| 1332 | Infrastructure | Task    | New         | Normal   | Possibly remove MN_crud.update()   |          | 2011-02-09 22:50 |                   |
| 1334 | Infrastructure | Task    | New         | Normal   | Completely remove detailCode   |          | 2011-02-09 22:51 |                   |
| 1335 | Infrastructure | Task    | New         | Normal   | Local caching of the d1 schema.  |          | 2011-02-09 22:56 |                   |
| 1339 | Infrastructure | Task    | New         | Normal   | "common" -> "base" or "foundation"   |          | 2011-02-09 23:19 |                   |
| 1411 | Infrastructure | Task    | New         | Normal   | Vendor Specific Extensions   |          | 2011-03-08 16:59 |                   |
| 1414 | Infrastructure | Task    | New         | Normal   | How to represent additional Node attributes.   |          | 2011-03-09 06:16 |                   |
| 1518 | Infrastructure | Task    | New         | Normal   | How to support caching   |          | 2011-05-04 14:33 |                   |
| 1519 | Infrastructure | Task    | New         | Normal   | HTTP Byte Range Requests   |          | 2011-05-04 14:34 |                   |
| 1520 | Infrastructure | Task    | New         | Normal   | Stream Output  |          | 2011-05-04 14:35 |                   |
| 1521 | Infrastructure | Task    | New         | Normal   | Compressed Response  |          | 2011-05-04 14:35 |                   |
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list   |          | 2011-05-12 23:02 |                   |
| 1660 | Infrastructure | Task    | New         | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs |          | 2011-06-28 21:35 |                   |
| 1808 | Infrastructure | Task    | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()   |          | 2011-10-04 16:08 |                   |

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| 925  | Infrastructure | Task    | New    | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                  |          | 2011-10-31 20:32 | d1_client_ONEDrive         |
| 2051 | Infrastructure | Task    | New    | Normal   | Use subject instead of NodeRef   |          | 2011-11-23 18:11 | Documentation              |
| 2133 | Infrastructure | Task    | New    | Normal   | listObjects() datetime slicing   |          | 2011-12-12 23:15 |                            |
| 2151 | Infrastructure | Task    | New    | Normal   | Ensuring that cited objects are not deleted  |          | 2011-12-23 04:20 |                            |
| 2685 | Infrastructure | Task    | New    | Normal   | Where's the WIFFM on the DataONE web site for the researcher user?                               |          | 2012-05-01 15:31 | Support Operations         |
| 3166 | Infrastructure | Task    | New    | Normal   | Add d1_common_java and d1_libclient_java and their dependency jar                                |          | 2012-08-31 17:15 |                            |
| 3171 | Infrastructure | Task    | New    | Normal   | Add d1_common_java d1_libclient_java and their dependency jar files to the morpho lib            |          | 2012-08-31 17:27 |                            |
| 3371 | Infrastructure | Task    | New    | Normal   | unmarshalTypeFromFile method is using FileReader   |          | 2012-10-29 19:15 |                            |
| 3373 | Infrastructure | Task    | New    | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.                                    |          | 2012-11-06 02:05 |                            |
| 3438 | Infrastructure | Task    | New    | Normal   | Evaluate utility of schema.org   |          | 2012-12-21 16:15 | Documentation              |
| 3501 | Infrastructure | Task    | New    | Normal   | The list of MN objects doesn't show an object, but the direct access shows it                    |          | 2013-01-18 19:13 |                            |
| 3142 | Infrastructure | Task    | New    | Normal   | Need a new local search mechanism  |          | 2013-03-02 05:15 |                            |
| 3082 | Infrastructure | Task    | New    | Normal   | Morpho should not rely on CN for any critical features   |          | 2013-03-02 05:26 | Morpho                     |
| 3080 | Infrastructure | Task    | New    | Normal   | Calling Dataone client library in morpho   |          | 2013-03-02 05:28 |                            |
| 3076 | Infrastructure | Task    | New    | Normal   | Allow user to specify Morpho storage directory   |          | 2013-03-02 05:29 | Morpho                     |
| 3906 | Member Nodes   | Task    | New    | High     | Update malformed Resource Maps   |          | 2013-08-09 17:50 |                            |
| 6389 | Infrastructure | Task    | New    | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases |          | 2014-09-18 00:42 |                            |
| 4675 | Infrastructure | Task    | New    | Normal   | Administratively delete those pids with the white spaces   |          | 2014-09-24 18:09 |                            |
| 4711 | Infrastructure | Task    | New    | Normal   | replace SSL Certs for cn-unm-1.dataone.org   |          | 2014-09-24 18:14 |                            |
| 4717 | Infrastructure | Task    | New    | Normal   | refresh client certificate for mn-unm-2.dataone.org  |          | 2014-09-24 18:14 |                            |
| 4713 | Infrastructure | Task    | New    | Normal   | replace SSL cert fo cn-orc-1.dataone.org   |          | 2014-09-24 18:14 |                            |
| 4712 | Infrastructure | Task    | New    | Normal   | replace SSL cert for cn-ucsb-1.dataone.org   |          | 2014-09-24 18:14 |                            |
| 3894 | Infrastructure | Task    | New    | Normal   | This task contains all the bugs related to the story   |          | 2014-09-24 18:27 |                            |
| 3895 | Infrastructure | Task    | New    | Normal   | Can we add bugs to a task in a story?  |          | 2014-09-24 18:27 |                            |
| 3880 | Infrastructure | Task    | New    | Normal   | 4.2.1.3 CILogon Extension Not Documented   |          | 2014-09-24 18:27 | Environment.Productio<br>n |
| 3879 | Infrastructure | Task    | New    | Normal   | 4.2.1.2 Missing Policies and Expectations  |          | 2014-09-24 18:27 | Environment.Productio<br>n |
| 2053 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - Add info about serialVersion                              |          | 2014-10-02 17:21 |                            |
| 6624 | Infrastructure | Task    | New    | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page                                    |          | 2014-11-21 20:29 | Documentation              |
| 6679 | Member Nodes   | Task    | New    | Normal   | FTGEN: Join DataONE  |          | 2014-12-04 20:07 |                            |
| 6680 | Member Nodes   | Task    | New    | Normal   | FTGEN: Scope the implementation  |          | 2014-12-04 20:07 |                            |

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| 6681 | Member Nodes   | Task    | New    | Normal   | FTGEN: Plan the implementation  |          | 2014-12-04 20:07 |                    |
| 6682 | Member Nodes   | Task    | New    | Normal   | FTGEN: Design, code and component test a new MN implementation  |          | 2014-12-04 20:07 |                    |
| 6683 | Member Nodes   | Task    | New    | Normal   | FTGEN: Implement search index and display (ONEMercury) support for any new metadata formats required by the MN. |          | 2014-12-04 20:07 |                    |
| 6684 | Member Nodes   | Task    | New    | Normal   | FTGEN: Register any new object formats in all environments  |          | 2014-12-04 20:07 |                    |
| 6685 | Member Nodes   | Task    | New    | Normal   | FTGEN: Local Testing  |          | 2014-12-04 20:07 |                    |
| 6686 | Member Nodes   | Task    | New    | Normal   | FTGEN: Establish DataONE user identity in Testing Environment   |          | 2014-12-04 20:07 |                    |
| 6687 | Member Nodes   | Task    | New    | Normal   | FTGEN: Configure SSL Certificates for Testing Environment   |          | 2014-12-04 20:07 |                    |
| 6688 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify MN Content and Services in Testing Environment  |          | 2014-12-04 20:07 |                    |
| 6689 | Member Nodes   | Task    | New    | Normal   | FTGEN: Register MN in Testing Environment   |          | 2014-12-04 20:07 |                    |
| 6690 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify CN Content and Services in Testing Environment  |          | 2014-12-04 20:07 |                    |
| 6691 | Member Nodes   | Task    | New    | Normal   | FTGEN: Check Authentication and Authorization in Testing Environment  |          | 2014-12-04 20:07 |                    |
| 6692 | Member Nodes   | Task    | New    | Normal   | FTGEN: Show MN as "upcoming" on the dashboard   |          | 2014-12-04 20:07 |                    |
| 6693 | Member Nodes   | Task    | New    | Normal   | FTGEN: Establish DataONE user identity in Production  |          | 2014-12-04 20:07 |                    |
| 6694 | Member Nodes   | Task    | New    | Normal   | FTGEN: Configure SSL Certificates for Production  |          | 2014-12-04 20:07 |                    |
| 6695 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify MN Content and Services in Production   |          | 2014-12-04 20:07 |                    |
| 6696 | Member Nodes   | Task    | New    | Normal   | FTGEN: Register MN in Production  |          | 2014-12-04 20:07 |                    |
| 6697 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify CN Content and Services in Production   |          | 2014-12-04 20:07 |                    |
| 6698 | Member Nodes   | Task    | New    | Normal   | FTGEN: Check Authentication and Authorization in Production   |          | 2014-12-04 20:07 |                    |
| 6699 | Member Nodes   | Task    | New    | Normal   | FTGEN: Mutual acceptance  |          | 2014-12-04 20:07 |                    |
| 6700 | Member Nodes   | Task    | New    | Normal   | FTGEN: Ensure MN appears on Current MNs webpage (dashboard)   |          | 2014-12-04 20:07 |                    |
| 6701 | Member Nodes   | Task    | New    | Normal   | FTGEN: Document and Announce  |          | 2014-12-04 20:07 |                    |
| 6760 | Infrastructure | Task    | New    | Normal   | rename mnDemo9 node   |          | 2015-01-14 00:44 |                    |
| 6761 | Infrastructure | Task    | New    | Normal   | unregister extraneous nodes in STAGE-2  |          | 2015-01-14 00:49 | Environment.Stage2 |
| 4117 | Member Nodes   | Task    | New    | Normal   | Issue Test certs for FRIM   |          | 2015-01-23 19:02 |                    |
| 4118 | Member Nodes   | Task    | New    | Normal   | Validate FRIM sync against stage environment  |          | 2015-01-23 19:02 |                    |
| 6748 | Java Client    | Task    | New    | Normal   | Create a factory / builder class for converting versioned types.  |          | 2015-02-11 19:47 |                    |
| 4655 | Java Client    | Task    | New    | Normal   | Pom appears to bring in plugins as project dependencies (maven-jar-plugin, maven-clean-plugin)                  |          | 2015-02-11 20:08 |                    |
| 4661 | Java Client    | Task    | New    | Normal   | Deprecated methods give no indication of the (Java) version in which they will be removed                       |          | 2015-02-11 20:08 |                    |
| 4664 | Java Client    | Task    | New    | Normal   | Related to above: Test classes bring in org.apache.log4j.Logger but it is not declared as a test dependency     |          | 2015-02-11 20:08 |                    |
| 4665 | Java Client    | Task    | New    | Normal   | Tests contain redundant code.   |          | 2015-02-11 20:08 |                    |

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| 4663 | Java Client    | Task    | New         | Normal   | src/main/resources appears to have config for log4j through commons-logging but neither logging library is declared as a test scope dependency. |          | 2015-02-11 20:08 |                    |
| 4666 | Java Client    | Task    | New         | Normal   | - All types have the same serialVersionUID (10000000)   |          | 2015-02-11 20:08 |                    |
| 4670 | Java Client    | Task    | New         | Normal   | - Regarding the style: The types are fully mutable with no field validations or constraints.  |          | 2015-02-11 20:08 |                    |
| 4669 | Java Client    | Task    | New         | Normal   | - Regarding the style: A good addition to the types would be some builders, static factories and constructors as applicable                     |          | 2015-02-11 20:08 |                    |
| 4668 | Java Client    | Task    | New         | Normal   | - No types implement toString   |          | 2015-02-11 20:08 |                    |
| 4667 | Java Client    | Task    | New         | Normal   | - (Important!) No types implement equals or hashCode  |          | 2015-02-11 20:08 |                    |
| 4673 | Java Client    | Task    | New         | Normal   | Pom has warnings:   |          | 2015-02-11 20:08 |                    |
| 4672 | Java Client    | Task    | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:   |          | 2015-02-11 20:08 |                    |
| 4671 | Java Client    | Task    | In Progress | Normal   | suggest updating the following versions:  |          | 2015-02-11 20:08 |                    |
| 6876 | Infrastructure | Task    | New         | Normal   | Support for ISO 19139 metadata standard   |          | 2015-03-10 17:27 | Format ID          |
| 6877 | Infrastructure | Task    | New         | Normal   | Support for ISO 19115 metadata standard   |          | 2015-03-10 18:08 | Format ID          |
| 7162 | Python GMN     | Task    | New         | Low      | Member node does not check with coordinating node before replicating  |          | 2015-06-05 23:49 |                    |
| 7104 | Infrastructure | Task    | New         | Normal   | Event index reindexing shouldn't require re-harvest from MNs  |          | 2015-07-09 15:34 | d1_log_aggregation |
| 7473 | DUG            | Task    | New         | Normal   | Draft 2016 DUG annual meeting brochure  |          | 2015-11-09 22:38 |                    |
| 7474 | DUG            | Task    | New         | Normal   | Draft generic letter of invitation that DUG SC can carry and distribute widely.   |          | 2015-11-09 22:38 |                    |
| 7475 | DUG            | Task    | New         | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC  |          | 2015-11-09 22:38 |                    |
| 7476 | DUG            | Task    | New         | Normal   | Do we need an event management system to better organize the DUG?   |          | 2015-11-09 22:43 |                    |
| 7484 | DUG            | Task    | New         | Normal   | DUG Agenda  |          | 2015-11-10 21:39 |                    |
| 6380 | Member Nodes   | Task    | New         | Normal   | ICMBIO: Initial Preparation   |          | 2015-11-19 17:21 |                    |
| 7524 | DUG            | Task    | New         | Normal   | Explore crowd sourcing for future DUG marketing effort  |          | 2015-12-07 22:25 |                    |
| 7525 | DUG            | Task    | New         | Normal   | assessment effort update  |          | 2015-12-07 22:25 |                    |
| 7531 | DUG            | Task    | New         | Normal   | Quote request for EAB meeting   |          | 2015-12-08 20:13 |                    |
| 7532 | DUG            | Task    | New         | Normal   | Registration Form for 2016.   |          | 2015-12-08 21:30 |                    |
| 7533 | DUG            | Task    | New         | Normal   | Create DUG 2016 Meeting page  |          | 2015-12-08 21:44 |                    |
| 7571 | CN REST        | Task    | New         | Normal   | Description for error code 401, detail code 4957 is misleading in some cases  |          | 2016-01-05 16:25 |                    |
| 7682 | Log Reporting  | Task    | New         | Normal   | Sluggish Purging Read Event Cache   |          | 2016-03-17 15:02 | d1_log_aggregation |
| 7750 | CN REST        | Task    | New         | Normal   | apply business rules on the CN that Subject strings will be stripped of leading and trailing whitespace   |          | 2016-04-26 17:30 |                    |
| 7774 | Infrastructure | Task    | New         | Normal   | GMN: Move to Let's Encrypt  |          | 2016-05-09 22:16 |                    |

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| 7800 | DUG            | Task    | New    | Normal   | abstract reviews<br>( <a href="https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KVO4TeahHVA/edit">https://docs.google.com/document/d/1iZXCN4AWqYi5Z7wqMKb2o33QnQ_JAcV0KVO4TeahHVA/edit</a> ) |          | 2016-05-10 15:18 |                   |
| 3567 | Member Nodes   | Task    | New    | Normal   | Unresolvable content on CN from ONEShare  |          | 2016-06-03 13:43 |                   |
| 1646 | Infrastructure | Task    | New    | Normal   | Add addFormat() to the CNCORE API   |          | 2016-06-22 16:51 |                   |
| 1647 | Java Client    | Task    | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()  |          | 2016-06-22 16:51 | d1_common_java    |
| 1649 | Infrastructure | Task    | New    | Normal   | Update Metacat's CNCOREImpl to include addFormat()  |          | 2016-06-22 16:51 |                   |
| 1648 | Java Client    | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()   |          | 2016-06-22 16:51 | d1_libclient_java |
| 1651 | Infrastructure | Task    | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid  |          | 2016-06-22 16:51 |                   |
| 1650 | Infrastructure | Task    | New    | Normal   | Update d1_cn_service ProxyCNCOREService and CNCOREController to include addFormat()   |          | 2016-06-22 16:51 |                   |
| 7744 | Infrastructure | Task    | New    | Normal   | put together initial design   |          | 2016-06-22 17:19 |                   |
| 5897 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify content available for Current MNs web page   |          | 2016-07-02 12:45 |                   |
| 5873 | Member Nodes   | Task    | New    | Normal   | GBIF: Register MN   |          | 2016-07-02 12:45 |                   |
| 5839 | Member Nodes   | Task    | New    | Normal   | GBIF: Registration in environment   |          | 2016-07-02 12:45 |                   |
| 5848 | Member Nodes   | Task    | New    | Normal   | GBIF: Synchronization   |          | 2016-07-02 12:45 |                   |
| 5865 | Member Nodes   | Task    | New    | Normal   | GBIF: Log record access   |          | 2016-07-02 12:45 |                   |
| 5855 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Metadata content   |          | 2016-07-02 12:45 |                   |
| 5858 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Resource Maps  |          | 2016-07-02 12:45 |                   |
| 5892 | Member Nodes   | Task    | New    | Normal   | GBIF: Science Metadata access   |          | 2016-07-02 12:45 |                   |
| 5885 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs  |          | 2016-07-02 12:45 |                   |
| 5886 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Resource Maps  |          | 2016-07-02 12:45 |                   |
| 5876 | Member Nodes   | Task    | New    | Normal   | GBIF: Synchronization   |          | 2016-07-02 12:45 |                   |
| 5879 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Data   |          | 2016-07-02 12:45 |                   |
| 5869 | Member Nodes   | Task    | New    | Normal   | GBIF: SSL Certificates  |          | 2016-07-02 12:45 |                   |
| 5871 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify successful installation of client side certificate   |          | 2016-07-02 12:45 |                   |
| 5900 | Member Nodes   | Task    | New    | Normal   | GBIF: Formal announcement   |          | 2016-07-02 12:45 |                   |
| 5880 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Data content   |          | 2016-07-02 12:45 |                   |
| 5887 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Resource Map content   |          | 2016-07-02 12:45 |                   |
| 5849 | Member Nodes   | Task    | New    | Normal   | GBIF: Set up synchronization of the MN  |          | 2016-07-02 12:45 |                   |
| 5875 | Member Nodes   | Task    | New    | Normal   | GBIF: Set the node status to approved (start synchronization)   |          | 2016-07-02 12:45 |                   |
| 5857 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify that the Science Metadata is correctly processed by CNs  |          | 2016-07-02 12:45 |                   |
| 5872 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify successful installation of server side certificate   |          | 2016-07-02 12:45 |                   |
| 5893 | Member Nodes   | Task    | New    | Normal   | GBIF: Log record access   |          | 2016-07-02 12:45 |                   |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee | Updated          | Category           |
|------|----------------|---------|--------|----------|---|----------|------------------|--------------------|
| 5891 | Member Nodes   | Task    | New    | Normal   | GBIF: Science Data access   |          | 2016-07-02 12:45 |                    |
| 5878 | Member Nodes   | Task    | New    | Normal   | GBIF: Content Review  |          | 2016-07-02 12:45 |                    |
| 5859 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Resource Map content   |          | 2016-07-02 12:45 |                    |
| 5870 | Member Nodes   | Task    | New    | Normal   | GBIF: Generate client certificate.  |          | 2016-07-02 12:45 |                    |
| 5883 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Metadata content   |          | 2016-07-02 12:45 |                    |
| 5861 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.   |          | 2016-07-02 12:45 |                    |
| 5856 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type  |          | 2016-07-02 12:45 |                    |
| 5889 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify that Resource Maps are correctly processed by CNs.   |          | 2016-07-02 12:45 |                    |
| 5888 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type  |          | 2016-07-02 12:45 |                    |
| 5850 | Member Nodes   | Task    | New    | Normal   | GBIF: Content Review  |          | 2016-07-02 12:45 |                    |
| 5896 | Member Nodes   | Task    | New    | Normal   | GBIF: Mutual acceptance   |          | 2016-07-02 12:45 |                    |
| 5852 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Data content   |          | 2016-07-02 12:45 |                    |
| 5882 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Metadata   |          | 2016-07-02 12:45 |                    |
| 5854 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Metadata   |          | 2016-07-02 12:45 |                    |
| 5853 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type   |          | 2016-07-02 12:45 |                    |
| 5877 | Member Nodes   | Task    | New    | Normal   | GBIF: Set up synchronization of the MN  |          | 2016-07-02 12:45 |                    |
| 5851 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Data   |          | 2016-07-02 12:45 |                    |
| 5884 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type  |          | 2016-07-02 12:45 |                    |
| 5860 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify Resource Map is returned with the correct HTTP Content-Type  |          | 2016-07-02 12:45 |                    |
| 5881 | Member Nodes   | Task    | New    | Normal   | GBIF: Verify that the Science Data is returned with the correct HTTP Content-Type   |          | 2016-07-02 12:45 |                    |
| 5874 | Member Nodes   | Task    | New    | Normal   | GBIF: Set up Node document  |          | 2016-07-02 12:45 |                    |
| 7862 | DUG            | Task    | New    | Normal   | DataONE DUG page may need updating<br>( <a href="https://www.dataone.org/dataone-users-group">https://www.dataone.org/dataone-users-group</a> ) |          | 2016-08-08 15:00 |                    |
| 7863 | DUG            | Task    | New    | Normal   | Link to the recordings  |          | 2016-08-09 20:40 |                    |
| 7864 | DUG            | Task    | New    | Normal   | DOI Services for Members  |          | 2016-08-09 20:40 |                    |
| 7883 | Infrastructure | Task    | New    | Normal   | Document the log files of relevance on Coordinating Nodes   |          | 2016-09-09 20:20 |                    |
| 7907 | DUG            | Task    | New    | Normal   | Doodle poll on the time/date for monthly meeting  |          | 2016-10-11 20:35 |                    |
| 7908 | DUG            | Task    | New    | Normal   | Start a lesson learned document   |          | 2016-10-11 20:35 |                    |
| 7909 | DUG            | Task    | New    | Normal   | DataONE update audio/visual equipment for remote link   |          | 2016-10-11 20:49 |                    |
| 7911 | CN REST        | Task    | New    | Normal   | Synchronization allows invalid checksums, preventing corrected sync   |          | 2016-10-17 15:58 | d1_synchronization |
| 7925 | DUG            | Task    | New    | Normal   | Data Center certification   |          | 2016-11-08 21:33 |                    |

| #    | Project               | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category |
|------|-----------------------|---------|-------------|----------|--|----------|------------------|----------|
| 7926 | DUG                   | Task    | New         | Normal   | Certification and standards for data repositories (e.g. ISO 17421:2012, Data Seal of Approval) |          | 2016-11-08 22:00 |          |
| 7929 | Member Nodes          | Task    | In Progress | Normal   | Archive content for SEAD   |          | 2016-11-09 17:11 |          |
| 8077 | Search UI             | Task    | New         | Normal   | Use ORE PID for citation if DOI  |          | 2017-04-24 16:32 |          |
| 8154 | Member Nodes          | Task    | New         | Normal   | Test content from the test NKN member node should be archived or deleted from production       |          | 2017-07-26 19:55 |          |
| 8205 | Infrastructure        | Task    | New         | Normal   | Adjust memory allocation to Tomcat7 on CNs   |          | 2017-10-24 15:33 |          |
| 8206 | Infrastructure        | Task    | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper                                      |          | 2017-10-24 16:03 |          |
| 5890 | Member Nodes          | Task    | New         | Normal   | GBIF: Authentication and Authorization   |          | 2018-01-22 21:16 |          |
| 8308 | Infrastructure        | Task    | New         | Normal   | Review use of /node/subject in the node documents  |          | 2018-02-06 20:05 |          |
| 8345 | Testing MN Management | Task    | New         | Normal   | Technical Requirements   |          | 2018-02-08 15:28 |          |
| 8346 | Testing MN Management | Task    | New         | Normal   | Training & Education   |          | 2018-02-08 15:28 |          |
| 8348 | Testing MN Management | Task    | New         | Normal   | Metadata Validation  |          | 2018-02-08 15:28 |          |
| 8349 | Testing MN Management | Task    | New         | Normal   | Develop or Implement MN Software   |          | 2018-02-08 15:28 |          |
| 8350 | Testing MN Management | Task    | New         | Normal   | Test Registration  |          | 2018-02-08 15:28 |          |
| 8351 | Testing MN Management | Task    | New         | Normal   | Display as Upcoming  |          | 2018-02-08 15:28 |          |
| 8354 | Testing MN Management | Task    | New         | Normal   | Register in Production   |          | 2018-02-08 15:28 |          |
| 8355 | Testing MN Management | Task    | New         | Normal   | Mutual Acceptance  |          | 2018-02-08 15:28 |          |
| 8353 | Testing MN Management | Task    | New         | Normal   | Implement in Production  |          | 2018-02-08 15:29 |          |
| 8362 | Infrastructure        | Task    | New         | Normal   | Add the indication that the cn account list is sliced  |          | 2018-02-12 17:48 |          |
| 8341 | Testing MN Management | Task    | New         | Normal   | Initial Communications   |          | 2018-02-22 19:14 |          |
| 8342 | Testing MN Management | Task    | New         | Normal   | Feasibility Assessment   |          | 2018-02-22 19:19 |          |
| 8344 | Testing MN Management | Task    | New         | Normal   | MN Communications  |          | 2018-02-22 19:47 |          |
| 8356 | Testing MN Management | Task    | New         | Normal   | Formal Announcement  |          | 2018-02-23 19:06 |          |
| 8382 | Testing MN Management | Task    | New         | Normal   | Initial Communications   |          | 2018-02-27 17:32 |          |



| #    | Project               | Tracker | Status | Priority | Subject   | Assignee | Updated          | Category |
|------|-----------------------|---------|--------|----------|---|----------|------------------|----------|
| 8383 | Testing MN Management | Task    | New    | Normal   | Feasibility Assessment  |          | 2018-02-27 17:32 |          |
| 8464 | Testing MN Management | Task    | New    | Normal   | test: Metadata Validation   |          | 2018-03-01 21:04 |          |
| 8465 | Testing MN Management | Task    | New    | Normal   | test: Develop or Implement MN Software  |          | 2018-03-01 21:04 |          |
| 8466 | Testing MN Management | Task    | New    | Normal   | test: Test Registration   |          | 2018-03-01 21:04 |          |
| 8467 | Testing MN Management | Task    | New    | Normal   | test: Display as Upcoming   |          | 2018-03-01 21:04 |          |
| 8507 | Infrastructure        | Task    | New    | Normal   | Support generation of citation metadata records from dublin core  |          | 2018-03-19 22:37 |          |
| 8516 | Testing MN Management | Task    | New    | Normal   | meow: Implement in Production   |          | 2018-03-22 20:45 |          |
| 8517 | Testing MN Management | Task    | New    | Normal   | meow: Register in Production  |          | 2018-03-22 20:45 |          |
| 8518 | Testing MN Management | Task    | New    | Normal   | meow: Mutual Acceptance   |          | 2018-03-22 20:45 |          |
| 8519 | Testing MN Management | Task    | New    | Normal   | meow: Formal Announcement   |          | 2018-03-22 20:45 |          |
| 8528 | DataONE API           | Task    | New    | Normal   | Add MNRead.getVersions, CNRead.getVersions  |          | 2018-04-03 19:26 |          |
| 8531 | Member Nodes          | Task    | New    | Normal   | Training & education  |          | 2018-04-06 15:11 |          |
| 8534 | Member Nodes          | Task    | New    | Normal   | GCOOS: Technical Requirements & Design Planning   |          | 2018-04-09 20:18 |          |
| 8529 | DataONE API           | Task    | New    | Normal   | Add field to Solr index that includes the obsolescence chain  |          | 2018-04-10 05:21 |          |
| 8499 | Infrastructure        | Task    | New    | Normal   | Improve rendering of <a href="http://www.isotc211.org/2005/gmd-pangaea">http://www.isotc211.org/2005/gmd-pangaea</a> in search UI |          | 2018-05-01 01:07 |          |
| 8590 | Member Nodes          | Task    | New    | Normal   | ARM: Requirements Analysis  |          | 2018-05-10 20:50 |          |
| 8636 | Member Nodes          | Task    | New    | Normal   | DAAC: Test Registration   |          | 2018-07-02 14:58 |          |
| 8635 | Member Nodes          | Task    | New    | Normal   | DAAC: Develop or Implement MN Software  |          | 2018-07-02 15:00 |          |
| 8643 | Member Nodes          | Task    | New    | Normal   | (Cyverse) Implement in Production Environment   |          | 2018-07-05 14:25 |          |
| 8644 | Member Nodes          | Task    | New    | Normal   | (Cyverse) Register in Production  |          | 2018-07-05 14:25 |          |
| 8646 | Member Nodes          | Task    | New    | Normal   | (cyverse) Formal Announcement   |          | 2018-07-19 18:31 |          |
| 8506 | Infrastructure        | Task    | New    | Normal   | Identify ISO metadata terms appropriate for population of data citation elements of the solr search index                         |          | 2018-10-04 18:17 |          |
| 8730 | Member Nodes          | Task    | New    | Normal   | Plan the Implementation (NCAR)  |          | 2018-10-11 17:21 |          |
| 8729 | Member Nodes          | Task    | New    | Normal   | Requirements Analysis   |          | 2018-10-11 17:24 |          |
| 8746 | Infrastructure        | Task    | New    | Normal   | Require email address from user when logging in via ORCID   |          | 2018-11-16 05:57 |          |
| 5841 | Member Nodes          | Task    | New    | Normal   | GBIF: SSL Certificates  |          | 2019-01-28 14:40 |          |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee | Updated          | Category                    |
|------|----------------|---------|--------|----------|--|----------|------------------|-----------------------------|
| 8792 | Infrastructure | Task    | New    | Normal   | Create landing page for redirection from ONEMercury  |          | 2019-05-01 14:03 |                             |
| 8793 | Infrastructure | Task    | New    | Normal   | Replace ONEMercury installation  |          | 2019-05-01 14:04 |                             |
| 8807 | Infrastructure | Task    | New    | Normal   | remove old versions of postgres  |          | 2019-05-21 12:47 |                             |
| 8808 | Infrastructure | Task    | New    | Normal   | Remove old versions of Tomcat  |          | 2019-05-21 12:49 |                             |
| 8809 | CN REST        | Task    | New    | Normal   | Adjust portal.properties for certificate configuration   |          | 2019-05-21 12:57 |                             |
| 8810 | CN REST        | Task    | New    | Normal   | Verify configuration of portal certificates  |          | 2019-05-21 13:00 |                             |
| 4176 | Infrastructure | Bug     | New    | Normal   | The archive method in CN doesn't call back to the authoritative and replica MNs.                             |          | 2014-10-01 21:25 |                             |
| 6542 | Infrastructure | Bug     | New    | Normal   | Unable to add metadata document on mndemo8   |          | 2014-10-30 16:30 | Environment.Developm<br>ent |
| 6615 | Infrastructure | Bug     | New    | Normal   | Apt-get doesn't work on mn-sandbox-unm-1   |          | 2014-11-18 18:45 |                             |
| 6766 | Python GMN     | Bug     | New    | Normal   | FYI ONLY: GMN local install with self-signed CA certificate breaks with new SSL support in Python 2.7.9      |          | 2015-01-20 18:53 |                             |
| 6791 | Infrastructure | Bug     | New    | Normal   | Building d1_log_aggregation doesn't trigger downstream builds  |          | 2015-01-31 00:32 | Support Operations          |
| 7161 | CN REST        | Bug     | New    | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized                                       |          | 2015-06-05 18:04 | d1_synchronization          |
| 7301 | CN REST        | Bug     | New    | Normal   | CN-stage allows connections to a MN that is operating a self-signed SSL server certificate                   |          | 2015-08-19 03:46 |                             |
| 7440 | CN REST        | Bug     | New    | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown." |          | 2015-10-20 14:46 |                             |
| 7528 | DataONE API    | Bug     | New    | Normal   | Incorrect argument name documented for CNCORE.reserveldentier  |          | 2015-12-08 19:51 | api_documentation           |
| 7578 | DataONE API    | Bug     | New    | Normal   | Fix 404 link to d1_instance_generator folder in documentation  |          | 2016-01-08 22:01 | api_documentation           |
| 7684 | DataONE API    | Bug     | New    | Low      | Call to MNStorage.update() via REST API returns java.lang.StackOverflowError                                 |          | 2016-03-21 23:07 |                             |
| 7698 | Infrastructure | Bug     | New    | Low      | Exclude SLF4J jars in d1_solr_extensions.jar   |          | 2016-03-28 16:22 | d1_cn_solr_extensions       |
| 7919 | Infrastructure | Bug     | New    | High     | unloadable system metadata in CNs by Hazelcast   |          | 2016-11-01 19:30 | Metacat                     |
| 8046 | Infrastructure | Bug     | New    | Normal   | Mutable Member Nodes orphan unhosted objects   |          | 2017-03-15 17:40 | Architecture Design         |
| 7858 | Infrastructure | Bug     | New    | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package                             |          | 2017-03-28 16:20 | d1_indexer                  |
| 7699 | Infrastructure | Bug     | New    | Normal   | alter scripts that backup postgresql db  |          | 2017-05-09 17:33 | dataone-cn-os-core          |
| 8215 | Infrastructure | Bug     | New    | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)  |          | 2017-11-07 22:11 |                             |
| 8630 | CN REST        | Bug     | New    | Normal   | equivalentIdentity values use uppercase letters when the same person subject values are lowercase            |          | 2018-06-26 14:15 | d1_identity_manager         |
| 8655 | Infrastructure | Bug     | New    | High     | Synchronization died with OOM  |          | 2018-07-13 11:24 |                             |
| 8657 | Log Reporting  | Bug     | New    | Normal   | Log aggregation service not recording logs for the MNs - urn:node:TDAR and urn:node:OTS_NDC                  |          | 2018-07-16 21:36 | d1_log_aggregation          |
| 8698 | CN REST        | Bug     | New    | Normal   | CN Performance degradation   |          | 2018-09-13 21:05 | d1_cn_rest                  |
| 8740 | CN REST        | Bug     | New    | Normal   | CN resolve service returning 404 for some pids   |          | 2019-01-22 18:41 | cn_metacat                  |

| #    | Project        | Tracker     | Status      | Priority | Subject  | Assignee | Updated          | Category            |
|------|----------------|-------------|-------------|----------|--|----------|------------------|---------------------|
| 8815 | Infrastructure | Bug         | New         | Normal   | Investigate and fix failed sync/harvest of doi:10.18739/A2CH48   |          | 2019-06-04 23:26 |                     |
| 8822 | Infrastructure | Bug         | New         | Low      | Account queries in STAGE-2 failing from web browser  |          | 2019-06-19 01:44 |                     |
| 8843 | Member Nodes   | Bug         | New         | Normal   | Server certificate is expired  |          | 2019-10-08 15:14 |                     |
| 8845 | Member Nodes   | Bug         | New         | Normal   | Server is returning a 500 error.   |          | 2019-10-08 15:20 |                     |
| 8846 | Member Nodes   | Bug         | New         | Normal   | TFRI node unresponsive   |          | 2019-10-08 15:26 |                     |
| 8844 | Member Nodes   | Bug         | New         | Normal   | Server certificate is expired  |          | 2019-10-08 18:27 |                     |
| 8860 | CN REST        | Bug         | New         | Normal   | /token endpoint doesn't set a content-type and character encoding  |          | 2020-02-29 01:00 | d1_portal           |
| 8866 | Infrastructure | Bug         | New         | Normal   | Java client tools should set a custom user agent string  |          | 2020-07-15 22:43 |                     |
| 1873 | Infrastructure | Feature     | New         | Normal   | Postprocessing tool for log reporting  |          | 2014-10-02 17:06 | d1_log_aggregation  |
| 4051 | Infrastructure | Feature     | New         | Normal   | MN Stack supporting Fedora Commons   |          | 2014-10-02 21:39 | mn.Fedora           |
| 6945 | DataONE API    | Feature     | New         | Normal   | MNRead.get uses the pid for the download filename, which provides a less than optimal user experience when the pid is an opaque identifier such as DOIs, uuids, etc. |          | 2015-03-23 23:37 |                     |
| 7312 | Java Client    | Feature     | New         | Normal   | Restart connection manager   |          | 2015-08-24 17:24 | d1_libclient_java   |
| 8107 | Infrastructure | Feature     | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()   |          | 2017-06-27 16:46 | Architecture Design |
| 8210 | Infrastructure | Feature     | New         | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content  |          | 2017-10-25 18:50 |                     |
| 8065 | Infrastructure | Feature     | New         | Normal   | Add service to re-populate Hazelcast map for node attributes   |          | 2018-01-09 19:10 |                     |
| 8187 | Member Nodes   | Support     | New         | Normal   | EZID DOI resolvable URLs failing for 14 PISCO objects  |          | 2017-09-19 22:12 |                     |
| 6705 | Infrastructure | Decision    | New         | Normal   | What behavior should be when a user request a sid when all the pids matching the sid were obsoleted  |          | 2014-12-10 20:08 |                     |
| 8616 | Infrastructure | Decision    | New         | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories  |          | 2018-06-15 00:13 |                     |
| 8601 | Infrastructure | Decision    | New         | Normal   | Decide on a URI space for DataONE resources  |          | 2018-07-18 21:42 |                     |
| 8774 | Infrastructure | Decision    | New         | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2   |          | 2019-03-08 16:03 |                     |
| 8693 | Infrastructure | Decision    | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering  |          | 2019-06-06 23:53 |                     |
| 339  | Requirements   | Requirement | New         | Low      | (Requirement) Web presence to provide publicly accessible information about the project  |          | 2010-03-16 17:36 |                     |
| 374  | Requirements   | Requirement | New         | Low      | (Requirement) Periodic Reporting to Sponsor  |          | 2010-03-16 18:11 |                     |
| 371  | Requirements   | Requirement | New         | Low      | (Requirement) Provide a suite of collaboration tools and instruction on how to use them  |          | 2010-03-16 20:06 |                     |
| 383  | Requirements   | Requirement | New         | Low      | (Requirement) System supports data storage   |          | 2010-03-16 21:35 |                     |
| 385  | Requirements   | Requirement | New         | Low      | (Requirement) Support arbitrary unique identifiers   |          | 2010-03-16 22:09 |                     |
| 386  | Requirements   | Requirement | New         | Low      | (Requirement) Deploy at least three Member Nodes   |          | 2010-03-17 13:39 |                     |

| #    | Project               | Tracker      | Status | Priority | Subject   | Assignee | Updated          | Category |
|------|-----------------------|--------------|--------|----------|---|----------|------------------|----------|
| 337  | Requirements          | Requirement  | New    | Low      | (Requirement) Deploy three coordinating nodes   |          | 2010-03-17 15:14 |          |
| 388  | Requirements          | Requirement  | New    | Low      | (Requirement) Implement a Member Node based on Dryad  |          | 2010-03-24 13:36 |          |
| 433  | Requirements          | Requirement  | New    | Low      | (Requirement) Data and metadata is replicated to at least one other member node                       |          | 2010-03-25 03:11 |          |
| 439  | Requirements          | Requirement  | New    | Low      | (Requirement) Maintain original copies of all science metadata  |          | 2010-03-25 03:27 |          |
| 455  | Requirements          | Requirement  | New    | Low      | (Requirement) Installation of critical software must be well documented and as automated as possible  |          | 2010-03-25 13:52 |          |
| 409  | Requirements          | Requirement  | New    | Low      | (Requirement) Develop a reference implementation of the Member Node stack                             |          | 2010-03-25 13:57 |          |
| 431  | Requirements          | Requirement  | New    | Low      | (Requirement) Software developed for infrastructure should be implemented according to specifications |          | 2010-03-25 14:44 |          |
| 389  | Requirements          | Requirement  | New    | Low      | (Requirement) Implement a Member Node based on the ORNL DAAC  |          | 2010-03-25 14:46 |          |
| 412  | Requirements          | Requirement  | New    | Low      | (Requirement) Identifiers always refer to the same object   |          | 2010-03-25 15:41 |          |
| 410  | Requirements          | Requirement  | New    | Low      | (Requirement) The infrastructure must support long term preservation of Data                          |          | 2010-03-25 15:41 |          |
| 408  | Requirements          | Requirement  | New    | Low      | (Requirement) Implement a Coordinating Node software stack  |          | 2010-03-25 15:44 |          |
| 468  | Requirements          | Requirement  | New    | Low      | (Requirement) Design the cyberinfrastructure for the project.   |          | 2010-03-25 16:51 |          |
| 581  | Requirements          | Requirement  | New    | Low      | (Requirement) System supports multiple types of science metadata                                      |          | 2010-04-20 20:45 |          |
| 632  | Requirements          | Requirement  | New    | Low      | (Requirement) Monitor the DataONE infrastructure  |          | 2010-05-28 20:10 |          |
| 387  | Requirements          | Requirement  | New    | Low      | (Requirement) Implement a Member Node based on Metacat  |          | 2010-10-06 22:00 |          |
| 7050 | Member Nodes          | MNDeployment | New    | Normal   | USDA ARS  |          | 2015-04-17 17:27 |          |
| 8294 | Testing MN Management | MNDeployment | New    | Normal   | Test Node 2   |          | 2018-02-08 15:28 |          |
| 8462 | Testing MN Management | MNDeployment | New    | Normal   | Test MN ticket  |          | 2018-03-01 20:57 |          |
| 8461 | Testing MN Management | MNDeployment | New    | Normal   | MEOW - Monitoring Ecosystems & Oceans in Wales  |          | 2018-03-22 20:45 |          |
| 8539 | Member Nodes          | MNDeployment | New    | Normal   | NASA Distributed Active Archive Center at National Snow & Ice Data Center (NASA DAAC)                 |          | 2018-04-10 19:19 |          |
| 3239 | Member Nodes          | MNDeployment | New    | Normal   | "Nitrous Oxide emissions Network" member node   |          | 2018-04-17 17:13 |          |
| 3241 | Member Nodes          | MNDeployment | New    | Low      | ALA - Atlas of Living Australia member node   |          | 2018-04-17 17:14 |          |
| 3240 | Member Nodes          | MNDeployment | New    | Low      | AZGS - Arizona Geological Survey member node  |          | 2018-04-17 17:18 |          |
| 3235 | Member Nodes          | MNDeployment | New    | Low      | LITS - Long-Term Individual base Time Series project member node                                      |          | 2018-04-17 17:23 |          |
| 3691 | Member Nodes          | MNDeployment | New    | Low      | National Institute for Amazon Research  |          | 2018-04-17 17:25 |          |

| #    | Project      | Tracker          | Status   | Priority | Subject   | Assignee | Updated          | Category |
|------|--------------|------------------|----------|----------|---|----------|------------------|----------|
| 7145 | Member Nodes | MNDeploymen<br>t | New      | Low      | PlutoF  |          | 2018-04-17 17:26 |          |
| 7758 | Member Nodes | MNDeploymen<br>t | New      | Low      | Polar Rock Repository (PRR) at Ohio State               |          | 2018-04-17 17:28 |          |
| 3683 | Member Nodes | MNDeploymen<br>t | New      | Low      | Purdue University Libraries                             |          | 2018-04-17 17:30 |          |
| 4115 | Member Nodes | MNDeploymen<br>t | Deferred | Normal   | UTK Institutional Repository                            |          | 2018-04-17 17:32 |          |
| 8548 | Member Nodes | MNDeploymen<br>t | New      | Normal   | Earthdata powered by EOSDIS                             |          | 2018-04-17 19:51 |          |
| 8549 | Member Nodes | MNDeploymen<br>t | New      | Normal   | Earth Resources Observation and Science Center          |          | 2018-04-17 19:55 |          |
| 8550 | Member Nodes | MNDeploymen<br>t | New      | Normal   | ESGF - Earth System Grid Federation                     |          | 2018-04-17 19:58 |          |
| 8551 | Member Nodes | MNDeploymen<br>t | New      | Normal   | Forest Service Research Data Archive                    |          | 2018-04-17 20:00 |          |
| 8552 | Member Nodes | MNDeploymen<br>t | New      | Normal   | GLCF - Global Land Cover Facility                       |          | 2018-04-17 20:01 |          |
| 8553 | Member Nodes | MNDeploymen<br>t | New      | Normal   | MVCO - Martha's Vineyard Coastal Observatory            |          | 2018-04-17 20:03 |          |
| 8554 | Member Nodes | MNDeploymen<br>t | New      | Normal   | SEDAC - NASA Socioeconomic Data and Applications Center |          | 2018-04-17 20:05 |          |
| 8555 | Member Nodes | MNDeploymen<br>t | New      | Normal   | NGEE Arctic   |          | 2018-04-18 16:27 |          |
| 8556 | Member Nodes | MNDeploymen<br>t | New      | Normal   | OAFIux (WHOI)   |          | 2018-04-18 16:30 |          |
| 8557 | Member Nodes | MNDeploymen<br>t | New      | Normal   | Physical Oceanography Distributed Active Archive Center |          | 2018-04-18 16:32 |          |
| 8558 | Member Nodes | MNDeploymen<br>t | New      | Normal   | PDC - Polar Data Catalogue                              |          | 2018-04-18 16:33 |          |
| 8559 | Member Nodes | MNDeploymen<br>t | New      | Normal   | PMM - Precipitation Measurement Missions                |          | 2018-04-18 16:35 |          |
| 8560 | Member Nodes | MNDeploymen<br>t | New      | Normal   | PPS - Precipitation Processing System                   |          | 2018-04-18 16:36 |          |
| 8561 | Member Nodes | MNDeploymen<br>t | New      | Normal   | PRISM Climate Data                                      |          | 2018-04-18 16:37 |          |
| 8562 | Member Nodes | MNDeploymen<br>t | New      | Normal   | PSD Climate and Weather Data                            |          | 2018-04-18 16:39 |          |
| 8563 | Member Nodes | MNDeploymen<br>t | New      | Normal   | Scripps Institute of Oceanography Explorer              |          | 2018-04-18 16:40 |          |

| #    | Project        | Tracker          | Status      | Priority | Subject  | Assignee         | Updated          | Category       |
|------|----------------|------------------|-------------|----------|--|------------------|------------------|----------------|
| 3689 | Member Nodes   | MNDeploymen<br>t | Deferred    | Normal   | University of South Carolina, Computer Science Department                            |                  | 2018-08-31 15:26 |                |
| 8725 | Member Nodes   | MNDeploymen<br>t | In Review   | Normal   | NCAR (National Center for Atmospheric Research)                                      |                  | 2018-10-08 13:33 |                |
| 8828 | Member Nodes   | MNDeploymen<br>t | In Review   | Normal   | SESAR  |                  | 2019-08-01 16:09 |                |
| 3628 | Member Nodes   | MNDeploymen<br>t | New         | Low      | Harvard Filtered Push MN   | William Michener | 2015-11-20 03:14 |                |
| 3156 | Infrastructure | Task             | New         | Low      | Design Review: resource map indexing strategy  | Skye Roseboom    | 2012-08-27 18:51 | d1_indexer     |
| 3313 | Infrastructure | Task             | New         | Normal   | Configure indexer to handle inline eml data  | Skye Roseboom    | 2012-10-08 21:01 | d1_indexer     |
| 3624 | Infrastructure | Task             | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format                      | Skye Roseboom    | 2013-03-05 23:27 | d1_indexer     |
| 4120 | Infrastructure | Task             | New         | Normal   | Display total data downloads in the SummaryView header                               | Skye Roseboom    | 2014-03-31 17:41 | d1_dashboard   |
| 2585 | Infrastructure | Task             | In Progress | Normal   | Update Use Case 09   | Skye Roseboom    | 2014-09-11 15:47 | d1_replication |
| 2414 | CN REST        | Task             | New         | Normal   | Implement exceptions for search/solr endpoint  | Skye Roseboom    | 2015-01-19 22:49 |                |
| 3122 | Infrastructure | Bug              | In Progress | Normal   | asterisk in search term  | Skye Roseboom    | 2014-10-02 18:02 | d1_mercury     |
| 7032 | MN Dashboard   | Feature          | New         | Normal   | Add anchor to the MN dashboard for "upcoming MNs"                                    | Skye Roseboom    | 2015-04-09 17:52 |                |
| 6484 | MN Dashboard   | Feature          | New         | Normal   | Provide paging/scrolling on MN table   | Skye Roseboom    | 2015-04-29 22:47 |                |
| 5322 | MN Dashboard   | Feature          | New         | Normal   | Add support for right, left keys on dashboard detail pages                           | Skye Roseboom    | 2015-04-29 22:47 |                |
| 5515 | MN Dashboard   | Feature          | New         | Normal   | Add number of MNs to overview display  | Skye Roseboom    | 2015-04-29 22:48 |                |
| 5516 | MN Dashboard   | Feature          | New         | Normal   | Date formatting  | Skye Roseboom    | 2015-04-29 22:48 |                |
| 6335 | MN Dashboard   | Feature          | New         | Normal   | Add total number of MNs to the summary page of the dashboard                         | Skye Roseboom    | 2015-04-29 22:48 |                |
| 6336 | MN Dashboard   | Feature          | New         | Normal   | Display MN POCs on the detail MN pages of the dashboard                              | Skye Roseboom    | 2015-04-29 22:49 |                |
| 3774 | Member Nodes   | Task             | New         | Normal   | return NotFound exceptions for /meta and /object calls using "near miss" identifiers | Ryan Scherle     | 2014-03-14 18:22 |                |
| 8155 | Infrastructure | Story            | In Progress | Normal   | Ensure GMN fully supports the Package API  | Roger Dahl       | 2018-01-17 18:43 | d1_mn_GMN      |
| 8074 | Python GMN     | Story            | New         | Normal   | Eliminate unnecessary setuid/setgid programs   | Roger Dahl       | 2018-01-17 18:48 |                |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee   | Updated          | Category            |
|------|------------------|---------|-------------|----------|---|------------|------------------|---------------------|
| 8073 | Python GMN       | Story   | New         | Normal   | Make sure unnecessary services are disabled   | Roger Dahl | 2018-01-17 18:48 |                     |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2  | Roger Dahl | 2018-01-17 18:55 |                     |
| 6796 | Python Libraries | Story   | New         | Normal   | Migrate to Python v3  | Roger Dahl | 2018-01-17 19:43 |                     |
| 5468 | Python Libraries | Story   | New         | Low      | Remove dead code from D1 Python stack   | Roger Dahl | 2018-01-17 19:57 |                     |
| 3656 | Infrastructure   | Story   | New         | Normal   | integration testing: what are acceptable pids for update?   | Roger Dahl | 2018-01-17 20:22 |                     |
| 2147 | Infrastructure   | Task    | New         | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff)                 | Roger Dahl | 2012-04-16 03:50 | d1_common_python    |
| 817  | Infrastructure   | Task    | New         | Low      | Integration testing: Make Java and Python stack return values equal for each function.            | Roger Dahl | 2012-10-08 18:47 |                     |
| 6026 | Infrastructure   | Task    | In Progress | Normal   | d1_common CCI 2.0 support   | Roger Dahl | 2014-08-01 15:49 | d1_common_python    |
| 6025 | Infrastructure   | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack  | Roger Dahl | 2014-08-01 15:49 |                     |
| 6033 | Infrastructure   | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support   | Roger Dahl | 2014-08-11 16:22 | d1_libclient_python |
| 6034 | Infrastructure   | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support   | Roger Dahl | 2014-08-11 16:23 | d1_client_cli       |
| 3763 | Infrastructure   | Task    | New         | Low      | Visualize PyPI download statistics for Python components  | Roger Dahl | 2014-10-01 21:32 | d1_dashboard        |
| 7256 | Python Libraries | Task    | New         | Normal   | add cnclient.synchronize method   | Roger Dahl | 2016-04-21 22:37 |                     |
| 7229 | Python GMN       | Task    | New         | Normal   | non-standard server certificate locations   | Roger Dahl | 2016-04-21 22:37 |                     |
| 7125 | Python GMN       | Task    | New         | Normal   | Handle Authorization header carrying authentication token   | Roger Dahl | 2016-04-21 22:37 |                     |
| 7123 | Python Libraries | Task    | New         | Normal   | Send Authorization header carrying authentication token   | Roger Dahl | 2016-04-21 22:37 | d1_libclient_python |
| 7765 | Python GMN       | Task    | New         | Normal   | Add "logrotate" capability as part of the GMN deployment  | Roger Dahl | 2016-05-04 02:38 |                     |
| 7821 | Python Libraries | Task    | New         | Low      | Verify Expect: 100-Continue header on POST or PUT requests  | Roger Dahl | 2016-06-03 19:58 | d1_libclient_python |
| 7703 | Python GMN       | Task    | New         | Normal   | GMN populating ipAddress in LogEntry with abnormal strings  | Roger Dahl | 2016-06-22 17:19 |                     |
| 6927 | Member Nodes     | Task    | In Progress | Normal   | R2R: Register any new object formats in all environments  | Roger Dahl | 2017-01-19 01:16 |                     |
| 7975 | Member Nodes     | Task    | New         | Normal   | GINA: Implement search index and display support for any new metadata formats required by the MN. | Roger Dahl | 2017-01-27 18:34 |                     |
| 7977 | Member Nodes     | Task    | New         | Normal   | GINA: Local Testing   | Roger Dahl | 2017-01-27 18:46 |                     |
| 7505 | Member Nodes     | Task    | In Progress | Normal   | Correct generous access policies  | Roger Dahl | 2018-07-02 20:39 |                     |
| 8672 | Member Nodes     | Task    | New         | Normal   | CDL - upgrade GMN 2.4.0 to 3.0.4  | Roger Dahl | 2018-08-23 17:13 |                     |
| 8685 | Member Nodes     | Task    | New         | Normal   | ONEShare - GMN upgrade 2.4.2 to 3.0.4   | Roger Dahl | 2018-08-23 17:18 |                     |
| 8673 | Member Nodes     | Task    | New         | Normal   | Pangaea- GMN upgrade from 2.4.0 to 3.0.4  | Roger Dahl | 2018-09-04 18:48 |                     |
| 8742 | Member Nodes     | Task    | New         | Normal   | GMN upgrade from 2.4.1 to 3.2.0   | Roger Dahl | 2018-11-13 19:14 |                     |
| 8750 | Member Nodes     | Task    | In Progress | Normal   | reconnect eLTER MN to DataONE   | Roger Dahl | 2018-11-28 16:59 |                     |
| 8681 | Member Nodes     | Task    | New         | Normal   | NCEI - install new GMN  | Roger Dahl | 2019-03-05 18:20 |                     |
| 8668 | Member Nodes     | Task    | New         | Normal   | MPC- upgrade GMN version 1.2.10 to 3.0.4  | Roger Dahl | 2019-03-05 20:35 |                     |
| 8676 | Member Nodes     | Task    | New         | Normal   | NRDC -GMN upgrade 2.4.2 to 3.0.4  | Roger Dahl | 2019-03-05 20:43 |                     |

| #    | Project          | Tracker      | Status      | Priority | Subject   | Assignee     | Updated          | Category            |
|------|------------------|--------------|-------------|----------|---|--------------|------------------|---------------------|
| 8670 | Member Nodes     | Task         | New         | Normal   | FEMC - upgrade GMN 2.3.7 to 3.0.4   | Roger Dahl   | 2019-08-02 18:22 |                     |
| 7664 | Python GMN       | Bug          | New         | Normal   | manage.py register_node_with_dataone generates "nodeReplicationPolicy" XML fragment in node capabilities even when replication is false | Roger Dahl   | 2016-04-14 14:16 |                     |
| 7651 | Python GMN       | Bug          | New         | High     | GMN returns two different dateSysMetadataModified dateTime stamps for same object   | Roger Dahl   | 2016-04-14 14:17 |                     |
| 6868 | Python GMN       | Bug          | New         | Normal   | GMN filters objects in list objects method from non-authenticated, non-rights-holder users  | Roger Dahl   | 2016-04-14 14:19 |                     |
| 6767 | Python GMN       | Bug          | New         | Normal   | GMN crashes if the replication target is not responding   | Roger Dahl   | 2016-04-14 14:19 |                     |
| 7738 | Python GMN       | Bug          | New         | High     | GMN perpetually retries system metadata updates after failures  | Roger Dahl   | 2016-04-14 14:26 |                     |
| 7739 | Python GMN       | Bug          | New         | Normal   | GMN Django models need to be adjusted for var char content greater than 1024 character length   | Roger Dahl   | 2016-04-14 14:47 |                     |
| 7740 | Python GMN       | Bug          | New         | High     | GMN fails to write system metadata during a refresh under unknown conditions  | Roger Dahl   | 2016-04-14 14:56 |                     |
| 7291 | Python GMN       | Bug          | New         | Normal   | pypi distribution does not have all files   | Roger Dahl   | 2016-04-14 14:57 |                     |
| 7299 | Python Libraries | Bug          | New         | Normal   | SolrConnection fails if persistent property is not set to True  | Roger Dahl   | 2016-04-20 19:45 | d1_libclient_python |
| 6614 | Python GMN       | Bug          | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN   | Roger Dahl   | 2016-04-21 22:37 |                     |
| 4303 | Infrastructure   | Bug          | New         | Low      | Fix potential bug where an object could be created and accepted for replication simultaneously.   | Roger Dahl   | 2016-04-21 22:38 | d1_mn_GMN           |
| 4301 | Python GMN       | Bug          | New         | Low      | In the GMN integration tester, add test to check that Last-Modified, Content-Length and Content-Type fields are set correctly           | Roger Dahl   | 2016-04-21 22:38 |                     |
| 4300 | Infrastructure   | Bug          | New         | Low      | Create more appropriate "create" entry in the LogRecord for replicas  | Roger Dahl   | 2016-04-21 22:38 | d1_mn_GMN           |
| 7759 | Python GMN       | Bug          | New         | Normal   | GMN docs refer to /portal for identity management   | Roger Dahl   | 2017-03-28 16:45 |                     |
| 7954 | Infrastructure   | Bug          | New         | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN  | Roger Dahl   | 2017-04-19 18:55 | d1_synchronization  |
| 6755 | Python CLI       | Bug          | New         | Normal   | python CLI install instructions fail  | Roger Dahl   | 2018-01-09 02:44 |                     |
| 3762 | Infrastructure   | Feature      | New         | Low      | DataONE software download statistics  | Roger Dahl   | 2014-10-01 21:32 | d1_dashboard        |
| 8017 | Member Nodes     | Support      | New         | Normal   | NCEI - Implement GMN for replicating Arctic Data Center Data  | Roger Dahl   | 2018-05-16 14:32 |                     |
| 7842 | Member Nodes     | MNDeployment | Operational | Normal   | Research Workspace  | Roger Dahl   | 2018-08-14 17:05 |                     |
| 7757 | Member Nodes     | MNDeployment | Deferred    | Normal   | GINA - Geographic Information Network of Alaska   | Roger Dahl   | 2018-08-31 15:22 |                     |
| 3557 | Member Nodes     | MNDeployment | Operational | Normal   | LTER Network  | Roger Dahl   | 2018-09-25 17:17 |                     |
| 6401 | Member Nodes     | MNDeployment | Operational | Normal   | NM EPSCoR   | Roger Dahl   | 2019-03-05 18:13 |                     |
| 8839 | Member Nodes     | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare  | Roger Dahl   | 2019-09-24 17:48 |                     |
| 7940 | Infrastructure   | Story        | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz | 2018-01-09 19:10 | d1_cn_service       |



| #    | Project        | Tracker | Status | Priority | Subject  | Assignee     | Updated          | Category             |
|------|----------------|---------|--------|----------|--|--------------|------------------|----------------------|
| 6514 | Infrastructure | Task    | New    | Normal   | Reharvest all Records to build initial cache   | Robert Waltz | 2015-01-13 15:56 | d1_log_aggregation   |
| 3643 | Infrastructure | Task    | New    | Normal   | Decide on future of stage-2 environment  | Robert Waltz | 2015-01-14 00:41 |                      |
| 2415 | CN REST        | Task    | New    | Normal   | Implement exceptions for log endpoint  | Robert Waltz | 2015-01-19 22:49 |                      |
| 1412 | CN REST        | Task    | New    | Normal   | MN health check performed by CN  | Robert Waltz | 2015-01-19 23:06 |                      |
| 4660 | Java Client    | Task    | New    | Normal   | src/main/java has XML files  | Robert Waltz | 2015-02-11 20:08 | d1_common_java       |
| 7047 | Infrastructure | Task    | New    | Normal   | Set user-agent in http request header for CN requests to member nodes  | Robert Waltz | 2015-04-15 22:41 | d1_cn_service        |
| 6706 | Infrastructure | Task    | New    | Normal   | CN-SANDBOX initiated synchronization with mnTestLTER before node was "approved"  | Robert Waltz | 2015-10-09 17:38 | Environment.Sandbox  |
| 7702 | Log Reporting  | Task    | New    | Normal   | abnormal strings in ipAddress field of solr  | Robert Waltz | 2016-06-22 17:18 | d1_log_aggregation   |
| 2487 | CN REST        | Task    | New    | Normal   | How does a CN handle the failure of MN replica to receive MNStorage.sytemMetadataChanged()                                   | Robert Waltz | 2016-08-10 20:51 |                      |
| 6041 | Infrastructure | Bug     | New    | Normal   | obsoletedBy field serialized with newline after pid  | Robert Waltz | 2014-09-25 17:36 |                      |
| 3572 | Infrastructure | Bug     | New    | Normal   | LDAP not updated for Node when synchronized set to true  | Robert Waltz | 2014-10-01 22:56 | d1_cn_node_registry  |
| 5582 | Infrastructure | Bug     | New    | Normal   | xinetd not supported via debian install  | Robert Waltz | 2014-10-02 19:27 | d1_cn_buildout       |
| 6044 | Infrastructure | Bug     | New    | Normal   | Indexer needs port 5432 open to localhost during postinst  | Robert Waltz | 2015-01-06 18:17 | d1_cn_buildout       |
| 5739 | CN REST        | Bug     | New    | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core  | Robert Waltz | 2015-01-19 23:05 |                      |
| 7178 | Infrastructure | Bug     | New    | Normal   | duplicate replica information on mn-demo-5   | Robert Waltz | 2015-07-01 20:14 | d1_replication       |
| 7371 | Infrastructure | Bug     | New    | Normal   | A systemMetadata update that changes the formatID from DATA to METADATA or RESOURCE_MAP will not upload the object to the CN | Robert Waltz | 2015-09-22 21:47 | d1_cn_service        |
| 6011 | Infrastructure | Bug     | New    | Normal   | Synchronization fails from max_syncobjectqueue_size  | Robert Waltz | 2016-01-05 17:52 | d1_synchronization   |
| 6882 | Infrastructure | Bug     | New    | Normal   | after CN upgrade togglePortsAndReplication.sh missing  | Robert Waltz | 2016-01-05 17:54 | d1_cn_buildout       |
| 7489 | CN REST        | Bug     | New    | Normal   | processing daemon common-logging misconfigured   | Robert Waltz | 2016-01-21 17:18 | d1_cn_process_daemon |
| 4129 | Infrastructure | Bug     | New    | Normal   | Only configure ufw ports for machines in xml configuration file  | Robert Waltz | 2016-08-10 20:47 | d1_cn_buildout       |

| #    | Project        | Tracker     | Status      | Priority | Subject   | Assignee     | Updated          | Category                    |
|------|----------------|-------------|-------------|----------|---|--------------|------------------|-----------------------------|
| 6062 | Infrastructure | Bug         | In Progress | Normal   | Jenkins not cascading builds in trunk   | Robert Waltz | 2016-08-10 20:56 | Environment.Developm<br>ent |
| 6070 | Infrastructure | Bug         | New         | Normal   | CNs missing GOA objects   | Robert Waltz | 2016-08-10 20:56 | d1_synchronization          |
| 6060 | Infrastructure | Bug         | New         | Normal   | dataone-cn-index install should fail if subtasks fail   | Robert Waltz | 2016-08-10 20:58 | d1_cn_buildout              |
| 5321 | Infrastructure | Bug         | New         | Normal   | Multiple Hazelcast Client connections to same storage instance  | Robert Waltz | 2016-08-10 20:58 | d1_process_daemon           |
| 4142 | Infrastructure | Bug         | New         | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly   | Robert Waltz | 2016-08-10 20:58 | d1_cn_buildout              |
| 3869 | Infrastructure | Bug         | New         | Normal   | wrong key set in portal/WEB-INF/client.xml  | Robert Waltz | 2016-08-10 20:58 | d1_cn_buildout              |
| 4067 | Infrastructure | Bug         | New         | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.                           | Robert Waltz | 2016-08-10 21:01 | d1_cn_service               |
| 8058 | Infrastructure | Feature     | New         | Normal   | Allow "upcoming" nodes to appear in the node list   | Robert Waltz | 2017-04-03 18:33 | d1_cn_service               |
| 6067 | Infrastructure | Decision    | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?  | Robert Waltz | 2014-08-22 03:58 | Environment.Developm<br>ent |
| 592  | Requirements   | Requirement | New         | High     | DataONE needs to synchronize metadata between MNs and CNs   | Robert Waltz | 2010-09-06 02:28 | d1_cn_service               |
| 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              |
| 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                  |
| 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           |
| 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          |
| 8172 | Infrastructure | Story       | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf     | 2018-01-17 18:39 | d1_indexer                  |
| 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                  |
| 8036 | Infrastructure | Story       | New         | Normal   | synchronization should respond to various MN down conditions to avoid syncFailures                                    | Rob Nahf     | 2018-01-17 18:55 | d1_synchronization          |
| 8061 | Infrastructure | Story       | New         | Normal   | develop queue-based processing system for the CN  | Rob Nahf     | 2018-01-17 19:00 | Architecture Design         |
| 7889 | Infrastructure | Story       | New         | Normal   | Synchronization not happening when authoritativeMN is not set correctly.  | Rob Nahf     | 2018-01-17 19:01 | d1_synchronization          |
| 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              |
| 7810 | Infrastructure | Story       | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation  | Rob Nahf     | 2018-01-17 19:09 |                             |
| 7713 | Infrastructure | Story       | New         | Normal   | d1DebConfig.xml should be versioned in dataone-cn-os-core   | Rob Nahf     | 2018-01-17 19:24 | d1_cn_buildout              |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|----------|------------------|--------------------|
| 7650 | Infrastructure | Story   | New         | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy                    | Rob Nahf | 2018-01-17 19:31 | d1_cn_common       |
| 6850 | Java Client    | Story   | New         | Normal   | automate Java Client releases  | Rob Nahf | 2018-01-17 19:42 | d1_libclient_java  |
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes                     | Rob Nahf | 2018-01-17 19:51 | MNWebChecker       |
| 6377 | Infrastructure | Story   | In Progress | Normal   | Review CNode initialization in ReplicationManager - it doesn't use local CN reference  | Rob Nahf | 2018-01-17 19:52 | d1_replication     |
| 4650 | Infrastructure | Story   | New         | Normal   | Allow MN to bias resolve to the authoritative MN                                       | Rob Nahf | 2018-01-17 20:00 | d1_cn_common       |
| 4463 | Infrastructure | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                        | Rob Nahf | 2018-01-17 20:03 | d1_replication     |
| 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  |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes  | Rob Nahf | 2018-01-17 20:23 | MNWebChecker       |
| 8162 | Infrastructure | Story   | New         | Normal   | Replication tasks can contain stale potential target nodes                             | Rob Nahf | 2018-03-02 21:47 | d1_replication     |
| 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         |
| 8540 | Infrastructure | Story   | New         | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor                              | Rob Nahf | 2018-04-12 04:32 | d1_indexer         |
| 8225 | Member Nodes   | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea  | Rob Nahf | 2018-05-17 14:30 |                    |
| 8564 | Member Nodes   | Story   | New         | Normal   | (CyVerse) Testing & Development  | Rob Nahf | 2018-07-02 19:56 |                    |
| 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         |
| 8734 | Infrastructure | Story   | New         | Normal   | Hazelcast shutdown tied to out of memory exception!                                    | Rob Nahf | 2018-10-18 16:55 | Metacat            |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue                            | Rob Nahf | 2018-10-30 04:10 | d1_indexer         |
| 8525 | Infrastructure | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                       | Rob Nahf | 2018-11-16 17:32 | d1_synchronization |
| 8779 | Infrastructure | Story   | New         | Normal   | ForesiteResourceMap performance issue  | Rob Nahf | 2019-03-25 18:48 | d1_indexer         |
| 8791 | Infrastructure | Story   | New         | Normal   | Complete deprecation of ONEMercury interface   | Rob Nahf | 2019-05-01 14:00 | d1_mercury         |
| 1585 | Infrastructure | Task    | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase.             | Rob Nahf | 2012-10-16 21:32 |                    |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages                      | Rob Nahf | 2012-10-16 21:34 | d1_integration     |
| 3577 | Infrastructure | Task    | New         | Normal   | Confusing message about "Ignored Tests present".                                       | Rob Nahf | 2013-02-14 22:36 | MNWebChecker       |
| 3757 | Infrastructure | Task    | New         | Normal   | Verify Log reporting in MN Tester  | Rob Nahf | 2013-05-10 17:42 | d1_integration     |
| 3907 | Infrastructure | Task    | New         | Normal   | MN Integration Test - verify system metadata returned matches expected                 | Rob Nahf | 2013-08-09 18:48 | d1_integration     |

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