

## Issues

| #    | Project      | Tracker      | Status      | Priority  | Subject   | Assignee        | Updated          | Category |
|------|--------------|--------------|-------------|-----------|---|-----------------|------------------|----------|
| 3217 | Member Nodes | MNDeployment | Deferred    | Normal    | EMBRAPA member node                                       | Matthew Jones   | 2016-06-17 19:31 |          |
| 3215 | Member Nodes | MNDeployment | Deferred    | Normal    | GEO BON member node                                       | Matthew Jones   | 2016-06-20 14:26 |          |
| 3207 | Member Nodes | MNDeployment | Deferred    | Normal    | BIOTA - FAPESP MN   | Matthew Jones   | 2016-06-17 19:32 |          |
| 3689 | Member Nodes | MNDeployment | Deferred    | Normal    | University of South Carolina, Computer Science Department |                 | 2018-08-31 15:26 |          |
| 7757 | Member Nodes | MNDeployment | Deferred    | Normal    | GINA - Geographic Information Network of Alaska           | Roger Dahl      | 2018-08-31 15:22 |          |
| 3964 | Member Nodes | MNDeployment | Deferred    | Normal    | EU BON Member Node  | Bruce Wilson    | 2016-10-24 20:49 |          |
| 3180 | Member Nodes | MNDeployment | Deferred    | Normal    | PFRP - Pelagic Fisheries Research Program                 | Matthew Jones   | 2014-05-29 19:25 |          |
| 3191 | Member Nodes | MNDeployment | Deferred    | Normal    | UC Vertnet Member Node                                    | Dave Vieglais   | 2017-01-31 14:54 |          |
| 5453 | Member Nodes | MNDeployment | Deferred    | Normal    | Dataverse   | Laura Moyers    | 2018-07-24 16:41 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal    | Forest Research Institute Malaysia (FRIM)                 | Laura Moyers    | 2016-06-17 19:31 |          |
| 3209 | Member Nodes | MNDeployment | Deferred    | Normal    | Avian Knowledge Network/Cornell Laboratory of Ornithology | Ben Leinfelder  | 2016-06-17 19:31 |          |
| 3686 | Member Nodes | MNDeployment | Deferred    | Normal    | Movebank for Animal Tracking Data                         | Laura Moyers    | 2013-12-05 19:31 |          |
| 3203 | Member Nodes | MNDeployment | Deferred    | Normal    | PELD member node  | Matthew Jones   | 2016-06-17 19:32 |          |
| 4115 | Member Nodes | MNDeployment | Deferred    | Normal    | UTK Institutional Repository                              |                 | 2018-04-17 17:32 |          |
| 7048 | Member Nodes | MNDeployment | Deferred    | Low       | USGS Regional Climate Centers                             | Laura Moyers    | 2016-06-17 19:32 |          |
| 7962 | Member Nodes | MNDeployment | Deferred    | Low       | Alaska EPSCoR   | Rebecca Koskela | 2018-04-13 18:28 |          |
| 3521 | Member Nodes | MNDeployment | Operational | Immediate | SEAD Member Node  | Laura Moyers    | 2019-06-05 17:46 |          |
| 3118 | Member Nodes | MNDeployment | Operational | Urgent    | Dryad Member Node   | Laura Moyers    | 2019-03-05 18:37 |          |
| 6544 | Member Nodes | MNDeployment | Operational | High      | TERN Australia (powered by AEKOS)                         | Bruce Wilson    | 2019-05-22 14:21 |          |
| 3558 | Member Nodes | MNDeployment | Operational | High      | CDL Merritt   | Laura Moyers    | 2018-08-23 17:05 |          |
| 3232 | Member Nodes | MNDeployment | Operational | High      | LTER-EUROPE   | Laura Moyers    | 2018-11-21 16:58 |          |
| 3554 | Member Nodes | MNDeployment | Operational | High      | KNB   | Jing Tao        | 2018-08-31 15:16 |          |
| 6548 | Member Nodes | MNDeployment | Operational | High      | R2R Repository  | Monica Ihli     | 2018-07-26 13:49 |          |
| 3555 | Member Nodes | MNDeployment | Operational | High      | SANParks  | Laura Moyers    | 2018-05-09 21:19 |          |
| 6485 | Member Nodes | MNDeployment | Operational | High      | The Digital Archaeology Record (tDAR)                     | Laura Moyers    | 2019-10-09 02:24 |          |
| 3553 | Member Nodes | MNDeployment | Operational | High      | PISCO   | Laura Moyers    | 2018-01-10 01:13 |          |
| 3221 | Member Nodes | MNDeployment | Operational | High      | EDAC member node  | Amy Forrester   | 2018-08-31 15:15 |          |
| 3238 | Member Nodes | MNDeployment | Operational | High      | Idaho Northwest Knowledge Network member node             | Amy Forrester   | 2019-10-08 15:14 |          |
| 3556 | Member Nodes | MNDeployment | Operational | High      | ESA Data Registry   | Amy Forrester   | 2019-10-08 15:28 |          |
| 8772 | Member Nodes | MNDeployment | Operational | Normal    | metaGRIL  | Jing Tao        | 2019-10-08 17:16 |          |

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| 7956 | Member Nodes | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)   | Laura Moyers  | 2018-11-13 19:14 |          |
| 6401 | Member Nodes | MNDeployment | Operational | Normal   | NM EPSCoR   | Roger Dahl    | 2019-03-05 18:13 |          |
| 3172 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UNM   | Dave Vieglais | 2018-08-31 15:22 |          |
| 3559 | Member Nodes | MNDeployment | Operational | Normal   | ONEShare  | Amy Forrester | 2019-09-03 16:40 |          |
| 7051 | Member Nodes | MNDeployment | Operational | Normal   | GRIIDC - Gulf of Mexico Research Initiative   | Laura Moyers  | 2018-09-25 17:14 |          |
| 6562 | Member Nodes | MNDeployment | Operational | Normal   | BCO-DMO   | Laura Moyers  | 2021-12-04 00:47 |          |
| 3708 | Member Nodes | MNDeployment | Operational | Normal   | Minnesota Population Center   | Laura Moyers  | 2018-08-06 19:43 |          |
| 3213 | Member Nodes | MNDeployment | Operational | Normal   | University of Illinois, Chicago member node   | Jing Tao      | 2020-01-23 22:42 |          |
| 7895 | Member Nodes | MNDeployment | Operational | Normal   | Pangaea   | Monica Ihli   | 2018-12-04 14:58 |          |
| 6708 | Member Nodes | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network  | Bruce Wilson  | 2019-06-06 19:52 |          |
| 3748 | Member Nodes | MNDeployment | Operational | Normal   | PPBIO Member Node   | Jing Tao      | 2018-08-31 15:20 |          |
| 8721 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)           | Dave Vieglais | 2019-05-14 13:46 |          |
| 3201 | Member Nodes | MNDeployment | Operational | Normal   | Taiwan Forestry Research Institute  | Amy Forrester | 2019-10-08 15:26 |          |
| 3529 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at ORC   | Dave Vieglais | 2018-08-31 15:21 |          |
| 3530 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UCSB  | Dave Vieglais | 2018-08-31 15:22 |          |
| 6674 | Member Nodes | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center   | Jing Tao      | 2019-06-10 13:03 |          |
| 3228 | Member Nodes | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information                                   | Dave Vieglais | 2019-07-08 16:28 |          |
| 4700 | Member Nodes | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive                                | Amy Forrester | 2019-10-08 15:20 |          |
| 8544 | Member Nodes | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network  | Amy Forrester | 2018-12-04 14:56 |          |
| 8186 | Member Nodes | MNDeployment | Operational | Normal   | ESS-DIVE, including CDIAC   | Matthew Jones | 2018-12-04 14:57 |          |
| 3560 | Member Nodes | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird  | Laura Moyers  | 2018-08-06 21:12 |          |
| 8704 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance)                 | Dave Vieglais | 2019-05-14 13:47 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal  | Laura Moyers  | 2018-05-15 17:40 |          |
| 7842 | Member Nodes | MNDeployment | Operational | Normal   | Research Workspace  | Roger Dahl    | 2018-08-14 17:05 |          |
| 7629 | Member Nodes | MNDeployment | Operational | Normal   | Arctic Data Center - Data and Software about the Arctic                                 | Matthew Jones | 2018-01-10 17:53 |          |
| 7082 | Member Nodes | MNDeployment | Operational | Normal   | USGS Science Data Catalog (SDC)   | Laura Moyers  | 2018-10-09 16:27 |          |
| 3557 | Member Nodes | MNDeployment | Operational | Normal   | LTER Network  | Roger Dahl    | 2018-09-25 17:17 |          |
| 3687 | Member Nodes | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems  | Amy Forrester | 2019-10-08 15:29 |          |
| 6957 | Member Nodes | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center  | Amy Forrester | 2019-10-08 18:39 |          |
| 7969 | Member Nodes | MNDeployment | Operational | Normal   | FEMC (Forest Ecosystem Monitoring Cooperative) - was VMC Vermont Monitoring Cooperative | Monica Ihli   | 2019-08-27 17:22 |          |
| 5451 | Member Nodes | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)   | Monica Ihli   | 2019-04-17 21:39 |          |

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| 8035 | Member Nodes     | MNDeployment | Operational | Normal    | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)                              | Dave Vieglais  | 2019-05-06 14:25 |                               |
| 7140 | Python GMN       | Task         | In Review   | Normal    | Resolve sids to pids  | Dave Vieglais  | 2016-03-25 01:27 |                               |
| 8725 | Member Nodes     | MNDeployment | In Review   | Normal    | NCAR (National Center for Atmospheric Research)   |                | 2018-10-08 13:33 |                               |
| 8828 | Member Nodes     | MNDeployment | In Review   | Normal    | SESAR   |                | 2019-08-01 16:09 |                               |
| 8847 | Member Nodes     | MNDeployment | In Review   | Normal    | Freshwater Research and Environmental Database (IGBFRED)                                    | Dave Vieglais  | 2019-10-17 19:23 |                               |
| 7139 | Python GMN       | Task         | In Review   | Normal    | modify postgres schema  | Dave Vieglais  | 2016-03-25 01:27 |                               |
| 3624 | Infrastructure   | Task         | Testing     | Normal    | Update CN index processing to support ESRI FGDC metadata format                             | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer                    |
| 7120 | Java Client      | Task         | Testing     | Normal    | Fix DataPackage.insertRelationship() to handle any URI for external identifiers             | Chris Jones    | 2015-06-04 21:48 | d1_libclient_java             |
| 7389 | Java Client      | Task         | Testing     | Normal    | V2 D1Object fails to download V1 content  | Chris Jones    | 2015-09-28 17:50 | d1_libclient_java             |
| 7322 | Java Client      | Bug          | Testing     | Normal    | D1Object stores data in memory, causes out of memory errors                                 | Chris Jones    | 2015-08-28 00:15 | d1_libclient_java             |
| 8026 | Infrastructure   | Task         | Testing     | High      | Portal reaches the maximum capacity in a pool   | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet             |
| 8123 | Infrastructure   | Bug          | Testing     | Normal    | portal hazelcast client should load config directly from xml                                | Rob Nahf       | 2017-12-26 18:20 | d1_portal_servlet             |
| 6378 | Infrastructure   | Task         | Testing     | Normal    | code up the new strategy  | Rob Nahf       | 2016-06-22 16:53 | d1_replication                |
| 8106 | Infrastructure   | Bug          | Testing     | Normal    | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages | Rob Nahf       | 2018-02-20 16:57 | d1_synchronization            |
| 5531 | Infrastructure   | Task         | Testing     | Normal    | Provide overview of replication process for MN implementors                                 | Matthew Jones  | 2014-10-02 17:21 | Documentation                 |
| 4210 | Infrastructure   | Task         | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()          | Chris Jones    | 2013-12-20 16:12 | Metacat                       |
| 7686 | Member Nodes     | Task         | Testing     | High      | tDAR - Enable URL links out to data from search results                                     | Ben Leinfelder | 2016-09-27 15:56 |                               |
| 7149 | OGC-Slender Node | Story        | Testing     | Normal    | Implement mechanism to retrieve a list of objects available from repository                 | Dave Vieglais  | 2015-06-05 13:37 |                               |
| 4730 | Member Nodes     | MNDeployment | Testing     | Normal    | Global Biodiversity Information Facility  | Dave Vieglais  | 2018-09-26 19:45 |                               |
| 3234 | Member Nodes     | MNDeployment | Testing     | Normal    | CyVerse (iPlant) member node  | Rob Nahf       | 2019-03-05 18:36 |                               |
| 5836 | Member Nodes     | Task         | Testing     | Normal    | GBIF: Verify that MN passes the Web Tester  | Rob Nahf       | 2018-09-26 19:57 |                               |
| 7138 | Python GMN       | Task         | Testing     | Normal    | Create new view functions   | Dave Vieglais  | 2016-03-25 01:27 |                               |
| 7137 | Python GMN       | Task         | Testing     | Normal    | Add support for V2 urls   | Dave Vieglais  | 2016-03-25 01:27 |                               |
| 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           |
| 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           |
| 7358 | Infrastructure   | Story        | In Progress | Normal    | ContactSubject on NodeList must be valid D1 ldap entry                                      | Dave Vieglais  | 2016-12-21 09:05 | Authentication, Authorization |

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| 6034 | Infrastructure | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support   | Roger Dahl     | 2014-08-11 16:23 | d1_client_cli      |
| 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     |
| 7746 | CN REST        | Bug     | In Progress | Normal   | Node registration update fails when <contactSubject> spans multiple lines   | Rob Nahf       | 2016-04-26 17:30 | d1_cn_noderegistry |
| 8766 | Infrastructure | Feature | In Progress | Normal   | support server-side link checking for the 303 redirect url in the resolve call  | Rob Nahf       | 2019-05-31 15:16 | d1_cn_service      |
| 4147 | Infrastructure | Task    | In Progress | Normal   | Modify d1_spatial_reporter.py to produce custom JSON output   | Chris Brumgard | 2014-03-31 17:41 | d1_cn_tools        |
| 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     |
| 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     |
| 6026 | Infrastructure | Task    | In Progress | Normal   | d1_common CCI 2.0 support   | Roger Dahl     | 2014-08-01 15:49 | d1_common_python   |
| 3978 | Infrastructure | Task    | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard  | Chris Jones    | 2014-03-31 17:41 | d1_dashboard       |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map   | Chris Jones    | 2014-03-31 17:41 | d1_dashboard       |
| 8536 | Infrastructure | Bug     | In Progress | Normal   | resource Map update when metadata SID is used is not indexed  | Rob Nahf       | 2018-04-12 20:55 | d1_indexer         |
| 8172 | Infrastructure | Story   | In Progress | Normal   | investigate atomic updates for some solr updates  | Rob Nahf       | 2018-01-17 18:39 | d1_indexer         |
| 7570 | Infrastructure | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error  | Jing Tao       | 2017-04-26 21:01 | d1_indexer         |
| 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         |
| 8086 | Infrastructure | Task    | In Progress | Normal   | upgrade Spring dependencies   | Rob Nahf       | 2019-07-25 20:32 | d1_indexer         |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object   | Jing Tao       | 2018-04-23 20:13 | d1_indexer         |
| 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         |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor  | Rob Nahf       | 2017-04-26 05:45 | d1_indexer         |
| 8081 | Infrastructure | Story   | In Progress | Normal   | develop federated broker configuration for indexing   | Rob Nahf       | 2018-01-17 18:46 | d1_indexer         |
| 8738 | Infrastructure | Story   | In Progress | Normal   | HZEventFilter performance decline with increased task queue   | Rob Nahf       | 2018-10-30 04:10 | d1_indexer         |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail  | Rob Nahf       | 2018-10-18 18:33 | d1_indexer         |
| 6843 | Infrastructure | Task    | In Progress | Normal   | Update the prov instance of the RdfXmlSubprocessor to index renamed and inverse provenance properties                 | Chris Jones    | 2017-03-28 16:16 | d1_indexer         |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment  | Rob Nahf       | 2014-10-01 22:04 | d1_integration     |
| 907  | Infrastructure | Task    | In Progress | Normal   | unify d1_integration for multiple environments and test languages   | Rob Nahf       | 2012-10-16 21:34 | d1_integration     |
| 6854 | Infrastructure | Feature | In Progress | Normal   | add testAssumptionFailure to run listener   | Rob Nahf       | 2016-01-26 22:30 | d1_integration     |

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| 7432 | Java Client      | Bug     | In Progress | Normal   | Java Client does not support idFilter for v2 release  | Rob Nahf      | 2019-06-14 18:47 | d1_libclient_java   |
| 3057 | Java Client      | Task    | In Progress | Normal   | retest CLOSE_WAIT issue once the lib client is complete.  | Rob Nahf      | 2015-02-11 19:52 | d1_libclient_java   |
| 6369 | Java Client      | Feature | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources                          | Rob Nahf      | 2015-02-11 20:56 | 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   |
| 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   |
| 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   |
| 6033 | Infrastructure   | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support   | Roger Dahl    | 2014-08-11 16:22 | d1_libclient_python |
| 7181 | Python Libraries | Task    | In Progress | Normal   | add d1_libclient_python implementation  | Dave Vieglais | 2016-04-21 22:37 | d1_libclient_python |
| 3122 | Infrastructure   | Bug     | In Progress | Normal   | asterisk in search term   | Skye Roseboom | 2014-10-02 18:02 | d1_mercury          |
| 8155 | Infrastructure   | Story   | In Progress | Normal   | Ensure GMN fully supports the Package API   | Roger Dahl    | 2018-01-17 18:43 | d1_mn_GMN           |
| 2642 | Infrastructure   | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions  | Andrew Pippin | 2012-07-06 16:25 | d1_mn_GMN           |
| 2169 | Infrastructure   | Task    | In Progress | Normal   | Design content and layout for status page   | Dave Vieglais | 2012-03-14 20:40 | d1_monitor          |
| 8364 | CN REST          | Story   | In Progress | Normal   | Ensure portal uses correct X509 certificates  |               | 2019-05-21 12:57 | d1_portal_servlet   |
| 8469 | CN REST          | Task    | In Progress | Normal   | evaluate if ORCID API will continue to work after 1.2 is deprecated                               | Jing Tao      | 2018-03-22 16:54 | d1_portal_servlet   |
| 8739 | Infrastructure   | Task    | In Progress | Normal   | Attempting to set ulimit results in error on UCSB systems   | Jing Tao      | 2018-11-08 15:10 | d1_process_daemon   |
| 6372 | Infrastructure   | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests  | Rob Nahf      | 2016-06-22 16:53 | d1_replication      |
| 2585 | Infrastructure   | Task    | In Progress | Normal   | Update Use Case 09  | Skye Roseboom | 2014-09-11 15:47 | d1_replication      |
| 4463 | Infrastructure   | Story   | In Progress | Normal   | Incorporate Node Replication Policy into replication processing                                   | Rob Nahf      | 2018-01-17 20:03 | d1_replication      |
| 6375 | Infrastructure   | Task    | In Progress | Normal   | Refactor out dependency on a working CN   | Rob Nahf      | 2016-06-22 16:53 | d1_replication      |
| 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      |
| 4188 | Infrastructure   | Story   | In Progress | Normal   | dataone Exception definition and implementation requires clarification                            | Dave Vieglais | 2018-01-17 20:05 | d1_schemas          |
| 4189 | Infrastructure   | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation   | Dave Vieglais | 2017-01-14 00:24 | d1_schemas          |
| 2827 | Infrastructure   | Task    | In Progress | Normal   | nesting groups requires schema change*  | Dave Vieglais | 2015-06-25 22:00 | d1_schemas          |
| 8525 | Infrastructure   | Story   | In Progress | High     | timeout exceptions thrown from Hazelcast disable synchronization                                  | Rob Nahf      | 2018-11-16 17:32 | d1_synchronization  |
| 8038 | Infrastructure   | Story   | In Progress | Normal   | connect logging output to a log analysis tool   | Dave Vieglais | 2018-01-17 18:52 | d1_synchronization  |
| 7958 | Infrastructure   | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                             | Rob Nahf      | 2017-01-04 17:23 | d1_synchronization  |
| 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  |

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| 7716 | Infrastructure | Story   | In Progress | Normal   | How to facilitate resubmission of sync Failures?                     | Dave Vieglais     | 2018-01-17 19:22 | d1_synchronization      |
| 8051 | Infrastructure | Bug     | In Progress | Normal   | CORS-based CN calls fail using Internet Explorer on Windows          | Chris Jones       | 2017-03-28 16:35 | dataone-cn-os-core      |
| 8091 | Infrastructure | Task    | In Progress | Normal   | Mysterious sync failure of an eml object from the GOA node           | Jing Tao          | 2017-05-09 21:33 | dataone-cn-os-core      |
| 2540 | Infrastructure | Feature | In Progress | Normal   | add generateIdentifier() method to MNStorage API                     | Dave Vieglais     | 2014-10-02 17:54 | Documentation           |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code                                 | Dave Vieglais     | 2014-09-24 18:27 | Documentation           |
| 6071 | Infrastructure | Story   | In Progress | Normal   | Release Notes and documentation                                      | Dave Vieglais     | 2018-01-17 19:53 | Documentation           |
| 1035 | Infrastructure | Task    | In Progress | Normal   | Develop reference architecture documents                             | Bruce Wilson      | 2011-03-03 19:26 | Documentation           |
| 1467 | Infrastructure | Task    | In Progress | Normal   | Complete d1_schema changes for Authz and Authn.                      | Matthew Jones     | 2014-10-01 20:47 | Documentation           |
| 5141 | Infrastructure | Story   | In Progress | Normal   | Describe the mn.updateSystemMetadata behavior in use case document   | Dave Vieglais     | 2018-01-17 19:58 | Documentation           |
| 725  | Infrastructure | Story   | In Progress | Normal   | Create Authentication and Access control design specifications       | Dave Vieglais     | 2018-01-17 20:52 | Documentation           |
| 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 |
| 6062 | Infrastructure | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk                                | Robert Waltz      | 2016-08-10 20:56 | Environment.Development |
| 4719 | Infrastructure | Task    | In Progress | Normal   | Replace CN client certificate  | Chris Jones       | 2014-09-24 18:14 | Environment.Production  |
| 4716 | Infrastructure | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD                        | Chris Jones       | 2014-09-24 18:14 | Environment.Production  |
| 7606 | Infrastructure | Task    | In Progress | Normal   | NRDC does not trust the CN certificate for log harvesting            | Laura Moyers      | 2016-04-06 16:14 | Environment.Production  |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones       | 2013-09-12 20:04 | Environment.Production  |
| 7612 | Infrastructure | Task    | In Progress | Normal   | Contact ORNLDAAC   | Laura Moyers      | 2016-02-11 18:02 | Environment.Production  |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list     | Chris Jones       | 2013-07-03 00:23 | Environment.Production  |
| 4714 | Infrastructure | Task    | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI                      | Chris Jones       | 2014-09-24 18:14 | Environment.Production  |
| 4246 | Infrastructure | Task    | In Progress | Normal   | Determine why cn-stage-ucsb-1 LDAP syncrepl is failing               | Michael Campfield | 2014-10-31 17:42 | Environment.Stage1      |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition | Dave Vieglais     | 2014-09-24 18:28 | Management              |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header              | Chris Jones       | 2013-02-21 18:41 | Metacat                 |
| 7466 | Infrastructure | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API                   | Chris Jones       | 2015-11-05 16:11 | Metacat                 |
| 7754 | Search UI      | Story   | In Progress | Normal   | Support for XSL transform of various metadata formats                | Bryce Mecum       | 2018-05-17 14:18 | MetacatUI               |
| 7498 | Search UI      | Task    | In Progress | Normal   | Search UI deployments need to be automated                           | Chris Jones       | 2015-11-21 00:36 | MetacatUI               |
| 4052 | Infrastructure | Story   | In Progress | Normal   | OPeNDAP MN Story   |                   | 2013-10-06 20:07 | mn.OPeNDAP              |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglais     | 2013-10-06 20:11 | mn.OPeNDAP              |
| 3591 | Infrastructure | Story   | In Progress | Normal   | Content consistency checks for new member nodes                      | Rob Nahf          | 2018-01-17 20:23 | MNWebChecker            |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee            | Updated          | Category           |
|------|----------------|---------|-------------|----------|--|---------------------|------------------|--------------------|
| 6395 | Infrastructure | Story   | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes       | Rob Nahf            | 2018-01-17 19:51 | MNWebChecker       |
| 6396 | Infrastructure | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally             | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker       |
| 3492 | Infrastructure | Bug     | In Progress | Urgent   | Invalid PIDs in production (whitespace)                                  | Jing Tao            | 2017-04-27 15:31 | Support Operations |
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system                                  | Bruce Wilson        | 2013-08-23 13:27 | Support Operations |
| 8824 | Infrastructure | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                         | Dave Vieglais       | 2019-06-19 12:11 |                    |
| 8195 | Infrastructure | Bug     | In Progress | High     | Tomcat out of memory error   | Dave Vieglais       | 2017-12-26 20:01 |                    |
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list   |                     | 2011-05-12 23:02 |                    |
| 7930 | Member Nodes   | Task    | In Progress | Normal   | verify obsolescence in tDAR sandbox                                      | Dave Vieglais       | 2016-12-01 23:47 |                    |
| 8728 | Member Nodes   | Task    | In Progress | Normal   | Initial Communications (NCAR)  | Amy Forrester       | 2018-10-04 17:24 |                    |
| 6053 | Member Nodes   | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type                | Ranjeet Devarakonda | 2014-11-24 14:57 |                    |
| 6497 | Python GMN     | Feature | In Progress | Normal   | V2 GMN Support   | Dave Vieglais       | 2016-03-25 01:27 |                    |
| 1048 | Infrastructure | Task    | In Progress | Normal   | Write authorization system specification                                 | Matthew Jones       | 2014-10-01 20:47 |                    |
| 8523 | Member Nodes   | Task    | In Progress | Normal   | CAFF: Technical Requirements & Design Planning                           | Amy Forrester       | 2018-06-14 14:21 |                    |
| 8775 | Infrastructure | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive              | Bryce Mecum         | 2019-03-11 23:35 |                    |
| 8633 | Member Nodes   | Task    | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning                               | Amy Forrester       | 2018-07-02 14:53 |                    |
| 6025 | Infrastructure | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack                           | Roger Dahl          | 2014-08-01 15:49 |                    |
| 8225 | Member Nodes   | Story   | In Progress | Normal   | Customize Indexing & View for gmd-pangaea                                | Rob Nahf            | 2018-05-17 14:30 |                    |
| 3220 | Member Nodes   | Task    | In Progress | Normal   | contact iEcolab to determine possible MN role                            | Ben Leinfelder      | 2013-10-01 17:53 |                    |
| 8378 | Member Nodes   | Task    | In Progress | Normal   | (OTS) replicate data   | Amy Forrester       | 2018-07-31 18:49 |                    |
| 5833 | Member Nodes   | Story   | In Progress | Normal   | GBIF: Developing   |                     | 2019-02-19 18:24 |                    |
| 7890 | Infrastructure | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories       | Rob Nahf            | 2017-04-19 19:12 |                    |
| 5450 | Member Nodes   | Task    | In Progress | Normal   | (Waiting for) USC to complete development of MN stack (derived from GMN) | Laura Moyers        | 2018-08-31 15:26 |                    |
| 3185 | Member Nodes   | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN               | Dave Vieglais       | 2012-09-05 02:12 |                    |
| 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 |                    |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                          | Andrew Pippin       | 2012-08-02 17:27 |                    |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents                           | Ben Leinfelder      | 2012-07-31 01:34 |                    |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                           | Laura Moyers        | 2013-11-03 21:43 |                    |

| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category |
|------|------------------|---------|-------------|----------|---|----------------|------------------|----------|
| 8535 | Member Nodes     | Story   | In Progress | Normal   | Neotoma: Story: Discovery & Planning                                      | Amy Forrester  | 2018-04-09 21:14 |          |
| 3046 | Infrastructure   | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats               | Ben Leinfelder | 2012-08-14 23:41 |          |
| 8498 | Member Nodes     | Task    | In Progress | Normal   | SANParks metacat not responding to harvest requests                       | Matthew Jones  | 2019-04-15 18:09 |          |
| 8032 | Python GMN       | Story   | In Progress | Normal   | GMN v2  | Roger Dahl     | 2018-01-17 18:55 |          |
| 7505 | Member Nodes     | Task    | In Progress | Normal   | Correct generous access policies  | Roger Dahl     | 2018-07-02 20:39 |          |
| 4116 | Member Nodes     | Task    | In Progress | Normal   | Work with FRIM to upgrade Metacat to 2.2.1 or later                       | Jing Tao       | 2015-01-23 19:02 |          |
| 1479 | CN REST          | Task    | In Progress | Normal   | Design web UI for validating newly created identities                     | Ben Leinfelder | 2015-01-19 22:59 |          |
| 1047 | Infrastructure   | Task    | In Progress | Normal   | Write Authentication system specification                                 | Matthew Jones  | 2014-10-01 20:47 |          |
| 8358 | Member Nodes     | Story   | In Progress | Normal   | Discovery & Planning (CAFF)   | Amy Forrester  | 2018-04-06 14:56 |          |
| 8566 | Member Nodes     | Task    | In Progress | Normal   | Test Registration   | Rob Nahf       | 2019-04-16 17:17 |          |
| 5455 | Member Nodes     | Task    | In Progress | Normal   | Contact Line Pouchard to re-open discussion about PURL as a potential MN  | Bruce Wilson   | 2015-11-19 19:17 |          |
| 4045 | Member Nodes     | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning                 | Laura Moyers   | 2014-05-30 19:45 |          |
| 6382 | Member Nodes     | Task    | In Progress | Normal   | ICMBIO: Determine feasibility   | Laura Moyers   | 2015-11-19 17:21 |          |
| 8727 | Member Nodes     | Story   | In Progress | Normal   | NCAR Discovery & Assessment   |                | 2019-01-22 18:34 |          |
| 3868 | Member Nodes     | Task    | In Progress | Normal   | Verify TFRI node is running NTP   | Ben Leinfelder | 2013-08-05 17:25 |          |
| 7882 | Infrastructure   | Story   | In Progress | Normal   | Tune CN logfile management  | Dave Vieglais  | 2018-01-17 19:03 |          |
| 5449 | Member Nodes     | Task    | In Progress | Normal   | Resolve resource map issues for LTER-Europe                               | Chris Jones    | 2014-06-20 17:59 |          |
| 7929 | Member Nodes     | Task    | In Progress | Normal   | Archive content for SEAD  |                | 2016-11-09 17:11 |          |
| 8750 | Member Nodes     | Task    | In Progress | Normal   | reconnect eLTER MN to DataONE   | Roger Dahl     | 2018-11-28 16:59 |          |
| 7151 | OGC-Slender Node | Story   | In Progress | Normal   | Generate system metadata for content                                      | Dave Vieglais  | 2015-06-08 18:58 |          |
| 7148 | OGC-Slender Node | Task    | In Progress | Normal   | Determine formatId for science metadata                                   | Dave Vieglais  | 2015-09-22 16:27 |          |
| 7146 | OGC-Slender Node | Story   | In Progress | Normal   | Determine formatId for content retrievable from NODC services             | Dave Vieglais  | 2015-06-05 13:37 |          |
| 7219 | Python GMN       | Story   | In Progress | Normal   | Upgrade Django version used by GMN, add better support for PUT operations | Dave Vieglais  | 2016-03-25 01:24 |          |
| 4715 | Infrastructure   | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN                            | Chris Jones    | 2014-09-24 18:14 |          |
| 8522 | Member Nodes     | Task    | In Progress | Normal   | CAFF: MN Communications   | Amy Forrester  | 2018-04-11 14:48 |          |
| 1061 | Infrastructure   | Task    | In Progress | Normal   | Identify approach to IdentityMapping                                      | Matthew Jones  | 2014-10-01 20:47 |          |
| 6614 | Python GMN       | Bug     | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN                   | Roger Dahl     | 2016-04-21 22:37 |          |
| 6789 | Java Client      | Bug     | In Progress | Normal   | Read API calls to the CN are hanging                                      | Rob Nahf       | 2016-05-07 07:59 |          |



| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee       | Updated          | Category                      |
|------|----------------|--------------|-------------|----------|--|----------------|------------------|-------------------------------|
| 7102 | Member Nodes   | Task         | In Progress | Normal   | Create test server certificate for test.piscoweb.org   | Dave Vieglais  | 2015-05-14 18:28 |                               |
| 3047 | Infrastructure | Bug          | In Progress | Normal   | Metacat allows whitespace in Identifiers   | Ben Leinfelder | 2018-11-13 21:44 |                               |
| 6927 | Member Nodes   | Task         | In Progress | Normal   | R2R: Register any new object formats in all environments                                       | Roger Dahl     | 2017-01-19 01:16 |                               |
| 7896 | Member Nodes   | Bug          | In Progress | Normal   | Dryad data sets don't mark new versions correctly in SystemMetadata with obsoletes/obsoletedBy | Monica Ihli    | 2017-07-24 10:10 |                               |
| 1159 | Infrastructure | Task         | In Progress | Normal   | Add description of Group creation and management to design specs.                              | Matthew Jones  | 2014-10-01 20:47 |                               |
| 8693 | Infrastructure | Decision     | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering          |                | 2019-06-06 23:53 |                               |
| 317  | Requirements   | Requirement  | In Progress | Low      | (Requirement) Identifiers for all objects  | Dave Vieglais  | 2010-03-15 22:12 |                               |
| 5835 | Member Nodes   | Task         | Ready       | Normal   | GBIF: Local Testing  | Rob Nahf       | 2019-01-24 16:53 |                               |
| 8839 | Member Nodes   | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare   | Roger Dahl     | 2019-09-24 17:48 |                               |
| 7296 | Member Nodes   | MNDeployment | Planning    | Normal   | GCOOS  | Monica Ihli    | 2018-04-16 15:53 |                               |
| 3230 | Member Nodes   | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node  | John Evans     | 2019-11-25 20:10 |                               |
| 8254 | Member Nodes   | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)   | Amy Forrester  | 2019-09-17 14:31 |                               |
| 7865 | Member Nodes   | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)  | John Evans     | 2019-09-17 14:33 |                               |
| 7839 | DataONE API    | Task         | New         | Normal   | Online documentation places synchronize in CNRead api  | Dave Vieglais  | 2016-12-21 09:04 | 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             |
| 7528 | DataONE API    | Bug          | New         | Normal   | Incorrect argument name documented for CNCORE.reserveldentier                                  |                | 2015-12-08 19:51 | api_documentation             |
| 7127 | DataONE API    | Task         | New         | Normal   | Finalize CNAAuthentication interface   | Dave Vieglais  | 2015-05-21 19:31 | api_documentation             |
| 8107 | Infrastructure | Feature      | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()             |                | 2017-06-27 16:46 | Architecture Design           |
| 6754 | Infrastructure | Task         | New         | Normal   | Architecture API loose ends  | Dave Vieglais  | 2015-01-13 18:54 | Architecture Design           |
| 8046 | Infrastructure | Bug          | New         | Normal   | Mutable Member Nodes orphan unhosted objects   |                | 2017-03-15 17:40 | Architecture Design           |
| 8061 | Infrastructure | Story        | New         | Normal   | develop queue-based processing system for the CN   | Rob Nahf       | 2018-01-17 19:00 | Architecture Design           |
| 7224 | Infrastructure | Story        | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option                 |                | 2018-01-17 19:38 | Architecture Design           |
| 6499 | Infrastructure | Feature      | New         | Normal   | define and implement addFormat() method  | Rob Nahf       | 2016-06-22 16:51 | Architecture Design           |
| 7559 | Infrastructure | Story        | New         | Normal   | Develop plan for securing application passwords in the CN stack                                | Dave Vieglais  | 2018-01-17 19:34 | Architecture Design           |
| 7807 | Infrastructure | Story        | New         | Low      | cn.synchronize should support synchronization failure corrections.                             |                | 2018-01-17 19:15 | Architecture Design           |
| 8237 | Infrastructure | Task         | New         | Normal   | Configure production environment to use new API key under KU ORCID membership                  | Dave Vieglais  | 2018-01-09 02:21 | Authentication, Authorization |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|----------------|---------|--------|----------|--|---------------|------------------|-------------------------------|
| 2548 | Infrastructure | Story   | New    | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users                                       |               | 2018-01-17 20:36 | Authentication, Authorization |
| 8238 | Infrastructure | Task    | New    | Normal   | Document contacts and procedure for using KU ORCID membership API key  | Dave Vieglais | 2018-01-09 02:22 | Authentication, Authorization |
| 8109 | Infrastructure | Story   | New    | Normal   | Does authentication token need to include group information?   | Dave Vieglais | 2018-01-17 18:45 | Authentication, Authorization |
| 2664 | Infrastructure | Task    | New    | Normal   | Create documentation for how transitivity is enacted for authorization   | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 8234 | Infrastructure | Story   | New    | Normal   | Use University of Kansas ORCID membership to support authentication in production environment                        | Dave Vieglais | 2018-01-09 19:10 | Authentication, Authorization |
| 2549 | Infrastructure | Task    | New    | Normal   | document the decision  | Matthew Jones | 2012-03-27 22:03 | Authentication, Authorization |
| 3891 | Infrastructure | Task    | New    | Normal   | review vulnerability to BREACH attacks   | Dave Vieglais | 2013-08-07 15:01 | Authentication, Authorization |
| 2281 | Infrastructure | Task    | New    | Low      | Possibly update the Identity Management and Authenticated Session Management doc                                     | Matthew Jones | 2014-10-01 20:47 | Authentication, Authorization |
| 7918 | CN REST        | Bug     | New    | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents   | Dave Vieglais | 2016-10-21 18:00 | cn_metacat                    |
| 8740 | CN REST        | Bug     | New    | Normal   | CN resolve service returning 404 for some pids   |               | 2019-01-22 18:41 | cn_metacat                    |
| 3768 | Infrastructure | Task    | New    | Normal   | Add canonical DataONE description paper to citing DataONE web-page   | Amber Budden  | 2013-05-16 22:20 | Community Engagement          |
| 925  | Infrastructure | Task    | New    | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client  |               | 2011-10-31 20:32 | d1_client_ONEDrive            |
| 8855 | Infrastructure | Story   | New    | Normal   | Put the system metadata part ahead of the object part when d1_client_r constructs the multipart                      | Matthew Jones | 2019-11-22 18:29 | d1_client_r                   |
| 6060 | Infrastructure | Bug     | New    | Normal   | dataone-cn-index install should fail if subtasks fail  | Robert Waltz  | 2016-08-10 20:58 | d1_cn_buildout                |
| 2791 | Infrastructure | Task    | New    | Normal   | verify on dev machines   | Dave Vieglais | 2012-05-21 17:41 | 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                |
| 5582 | Infrastructure | Bug     | New    | Normal   | xinetd not supported via debian install  | Robert Waltz  | 2014-10-02 19:27 | d1_cn_buildout                |
| 8376 | Infrastructure | Feature | New    | Normal   | Make the script file - insertOrUpdateObjectFormatList.sh (in metacat cn buildout) change the user name automatically | Jing Tao      | 2018-02-21 22:48 | d1_cn_buildout                |
| 5137 | Infrastructure | Task    | New    | Normal   | Fix DataONE CA chain file location in cn-buildout  | Chris Jones   | 2014-04-25 15:06 | d1_cn_buildout                |
| 4142 | Infrastructure | Bug     | New    | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly  | Robert Waltz  | 2016-08-10 20:58 | d1_cn_buildout                |
| 2896 | Infrastructure | Task    | New    | Normal   | Modify the admin DN in createObjectformat script per environment   | Chris Jones   | 2012-10-05 14:23 | d1_cn_buildout                |
| 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              |
|------|----------------|-------------|--------|----------|---|---------------|------------------|-----------------------|
| 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        |
| 3869 | Infrastructure | Bug         | New    | Normal   | wrong key set in portal/WEB-INF/client.xml  | Robert Waltz  | 2016-08-10 20:58 | d1_cn_buildout        |
| 6882 | Infrastructure | Bug         | New    | Normal   | after CN upgrade togglePortsAndReplication.sh missing   | Robert Waltz  | 2016-01-05 17:54 | d1_cn_buildout        |
| 1226 | Infrastructure | Task        | New    | Normal   | Verify that cn buildout is using the hudson generated Metacat war                                     |               | 2011-01-13 14:57 | d1_cn_buildout        |
| 7650 | Infrastructure | Story       | New    | Normal   | DAO for SystemMetadata changes the SystemMetadata.replicationPolicy                                   | Rob Nahf      | 2018-01-17 19:31 | d1_cn_common          |
| 4650 | Infrastructure | Story       | New    | Normal   | Allow MN to bias resolve to the authoritative MN  | Rob Nahf      | 2018-01-17 20:00 | d1_cn_common          |
| 8733 | CN REST        | Bug         | New    | Normal   | Exception handling in ForesiteResourceMap needs improvement   | Jing Tao      | 2018-10-12 20:09 | d1_cn_index_processor |
| 8307 | Infrastructure | Story       | New    | Normal   | Check node subject on node registration and subsequent calls  | Jing Tao      | 2018-02-06 20:06 | d1_cn_node_registry   |
| 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   |
| 7489 | CN REST        | Bug         | New    | Normal   | processing daemon common-logging misconfigured  | Robert Waltz  | 2016-01-21 17:18 | d1_cn_process_daemon  |
| 8867 | CN REST        | Bug         | New    | High     | CNCore.listChecksumAlgorithms() returns incorrect list  | Jing Tao      | 2020-08-06 00:06 | d1_cn_rest            |
| 8698 | CN REST        | Bug         | New    | Normal   | CN Performance degradation  |               | 2018-09-13 21:05 | d1_cn_rest            |
| 8770 | CN REST        | Story       | New    | Normal   | Issue with CN handling of encoded identifiers in object/meta/node/, others?                           | Jing Tao      | 2019-03-05 19:37 | d1_cn_rest            |
| 7903 | CN REST        | Task        | New    | Normal   | Need to implement/support the default http methods - HEAD and GET on all DataONE API (both cn and mn) | Jing Tao      | 2016-10-10 16:53 | d1_cn_rest            |
| 8771 | CN REST        | Story       | New    | Normal   | Issue with LDAP when updating `nodeReplicationPolicy`   | Dave Vieglais | 2019-03-05 19:43 | d1_cn_rest            |
| 4674 | Infrastructure | Bug         | New    | Urgent   | Ask Judith, Mike and Virginia Perez.2.1 to obsolete those pids which contain the white spaces.        | Jing Tao      | 2017-05-04 18:01 | d1_cn_service         |
| 592  | Requirements   | Requirement | New    | High     | DataONE needs to synchronize metadata between MNs and CNs   | Robert Waltz  | 2010-09-06 02:28 | d1_cn_service         |
| 6166 | Infrastructure | Task        | New    | Normal   | CNRead.getChecksum() returns Content-Type of text/csv while it should be an xml type                  | Chris Jones   | 2014-08-29 15:04 | d1_cn_service         |
| 7940 | Infrastructure | Story       | New    | Normal   | Retrieval of system metadata is too slow  | Robert Waltz  | 2018-01-09 19:10 | d1_cn_service         |
| 8103 | Infrastructure | Task        | New    | Normal   | Upgrade the postgresql jdbc jar file on the cn context  | Jing Tao      | 2017-06-02 20:56 | d1_cn_service         |
| 5145 | Infrastructure | Feature     | New    | Normal   | Consider including cert subject(s) in NotAuthorized exceptions  | Chris Jones   | 2014-09-25 17:44 | 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         |
| 6250 | Infrastructure | Task        | New    | Normal   | CN methods return 500 ServiceFailure when called with bogus test data and without certificates        | Chris Jones   | 2014-08-29 18:59 | d1_cn_service         |
| 6168 | Infrastructure | Task        | New    | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure  | Chris Jones   | 2014-08-29 16:01 | d1_cn_service         |
| 4211 | Infrastructure | Bug         | New    | Normal   | Potential race condition between archive and replication  | Chris Jones   | 2014-09-25 17:19 | d1_cn_service         |

| #    | Project          | Tracker     | Status | Priority | Subject  | Assignee      | Updated          | Category              |
|------|------------------|-------------|--------|----------|--|---------------|------------------|-----------------------|
| 4067 | Infrastructure   | Bug         | New    | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.                                  | Robert Waltz  | 2016-08-10 21:01 | d1_cn_service         |
| 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         |
| 1236 | Infrastructure   | Task        | New    | Normal   | Highly variable response times from cn.dataone.org   |               | 2011-01-17 16:34 | d1_cn_service         |
| 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         |
| 7698 | Infrastructure   | Bug         | New    | Low      | Exclude SLF4J jars in d1_solr_extensions.jar   |               | 2016-03-28 16:22 | d1_cn_solr_extensions |
| 822  | Requirements     | Requirement | New    | High     | (Requirement) Object access and manipulation should be responsive  | Dave Vieglais | 2010-09-06 20:27 | d1_common_java        |
| 318  | Requirements     | Requirement | New    | High     | (Requirement) Sponsor required Y1 functionality  | Dave Vieglais | 2010-09-06 03:24 | d1_common_java        |
| 411  | Requirements     | Requirement | New    | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes                                  | Dave Vieglais | 2010-09-06 03:10 | d1_common_java        |
| 821  | Requirements     | Requirement | New    | High     | (Requirement) Sponsor required functionality   | Dave Vieglais | 2010-09-06 03:28 | d1_common_java        |
| 384  | Requirements     | Requirement | New    | High     | (Requirement) Enable efficient mechanisms for users to discover content  | Dave Vieglais | 2010-09-06 03:58 | d1_common_java        |
| 6511 | Java Client      | Task        | New    | Normal   | remove the deprecated MultipartRequestHandler class from d1_common_java  | Rob Nahf      | 2015-02-11 20:04 | d1_common_java        |
| 1647 | Java Client      | Task        | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()   |               | 2016-06-22 16:51 | d1_common_java        |
| 1555 | Java Client      | Task        | New    | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient   | Rob Nahf      | 2015-02-11 19:49 | d1_common_java        |
| 1554 | Java Client      | Task        | New    | Normal   | Create MockHttpClient for testing in d1_common_java  | Rob Nahf      | 2015-02-11 19:49 | d1_common_java        |
| 4660 | Java Client      | Task        | New    | Normal   | src/main/java has XML files  | Robert Waltz  | 2015-02-11 20:08 | d1_common_java        |
| 7910 | Infrastructure   | Task        | New    | Normal   | schema validation behavior   | Rob Nahf      | 2018-01-18 02:41 | d1_common_java        |
| 7370 | Infrastructure   | Bug         | New    | Normal   | TypeFactory.convertTypeFromType does not use xmlValue comparisons for Enum conversions                                       | Rob Nahf      | 2015-09-21 16:07 | d1_common_java        |
| 7425 | Python Libraries | Task        | New    | Normal   | Replace httplib low level use in RestClient with the requests library  | Dave Vieglais | 2016-03-25 02:03 | d1_common_python      |
| 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      |
| 4125 | Infrastructure   | Task        | New    | Normal   | Mock up an informational section of the Member Node detail view  | Chris Jones   | 2014-03-31 17:41 | d1_dashboard          |
| 4120 | Infrastructure   | Task        | New    | Normal   | Display total data downloads in the SummaryView header   | Skye Roseboom | 2014-03-31 17:41 | d1_dashboard          |
| 3763 | Infrastructure   | Task        | New    | Low      | Visualize PyPI download statistics for Python components   | Roger Dahl    | 2014-10-01 21:32 | d1_dashboard          |
| 3762 | Infrastructure   | Feature     | New    | Low      | DataONE software download statistics   | Roger Dahl    | 2014-10-01 21:32 | d1_dashboard          |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category            |
|------|----------------|---------|--------|----------|---|---------------|------------------|---------------------|
| 1073 | Infrastructure | Task    | New    | Normal   | Design client application authentication redirection approach   | Matthew Jones | 2014-10-01 20:47 | d1_identity_manager |
| 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 |
| 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          |
| 8173 | Infrastructure | Story   | New    | High     | add checks for retrograde systemMetadata changes  | Jing Tao      | 2018-01-17 18:38 | d1_indexer          |
| 3675 | Infrastructure | Bug     | New    | High     | package relationships not available for archived objects  | Rob Nahf      | 2018-09-21 21:01 | d1_indexer          |
| 8500 | Infrastructure | Bug     | New    | High     | Geohash not calculated properly   | Jing Tao      | 2018-03-14 17:06 | d1_indexer          |
| 7668 | Infrastructure | Story   | New    | Normal   | Determine how indexing of data packages should work   | Jing Tao      | 2018-01-17 19:28 | d1_indexer          |
| 4278 | Infrastructure | Story   | New    | Normal   | EML indexing - handle multiple temporalCoverage and spatialCoverage elements  | Jing Tao      | 2018-01-17 20:04 | d1_indexer          |
| 8470 | Infrastructure | Story   | New    | Normal   | Make the spring context of the d1_index_processor daemon more configurable  | Jing Tao      | 2018-03-22 16:53 | d1_indexer          |
| 8043 | Infrastructure | Bug     | New    | Normal   | The origin field for EML documents isn't properly extracted when references are used                                  | Jing Tao      | 2019-02-12 18:45 | d1_indexer          |
| 3313 | Infrastructure | Task    | New    | Normal   | Configure indexer to handle inline eml data   | Skye Roseboom | 2012-10-08 21:01 | d1_indexer          |
| 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          |
| 8570 | Infrastructure | Bug     | New    | Normal   | index task not generated for a newly synchronized object  | Jing Tao      | 2018-04-20 20:51 | d1_indexer          |
| 8504 | Infrastructure | Story   | New    | Normal   | Support creation of data citation record from solr record   | Monica Ihli   | 2018-07-17 23:06 | d1_indexer          |
| 8363 | Infrastructure | Story   | New    | Normal   | indexer shutdown generates index tasks  | Rob Nahf      | 2018-09-24 15:25 | 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          |
| 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          |
| 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          |
| 8182 | Infrastructure | Bug     | New    | Normal   | relationships defined using SIDs in resource maps don't stay current  | Rob Nahf      | 2017-09-12 00:13 | d1_indexer          |
| 8540 | Infrastructure | Story   | New    | Normal   | interesting 15 minute Hazelcast timeout in IndexProcessor   | Rob Nahf      | 2018-04-12 04:32 | d1_indexer          |
| 8084 | Infrastructure | Story   | New    | Normal   | determine the backup strategy for rabbitMQ  | Rob Nahf      | 2018-01-17 18:46 | d1_indexer          |
| 8093 | Infrastructure | Bug     | New    | Normal   | resource map index processing is inefficient (2sec / referenced object)   | Rob Nahf      | 2017-05-10 20:00 | d1_indexer          |
| 8837 | Infrastructure | Story   | New    | Normal   | Merge the changes from metacat's feature-project-indexing branch to d1_cn_index_processor                             | Jing Tao      | 2019-08-16 17:18 | d1_indexer          |
| 8779 | Infrastructure | Story   | New    | Normal   | ForesiteResourceMap performance issue   | Rob Nahf      | 2019-03-25 18:48 | d1_indexer          |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee        | Updated          | Category          |
|------|----------------|---------|--------|----------|--|-----------------|------------------|-------------------|
| 8052 | Infrastructure | Bug     | New    | Normal   | Geohashed value is incorrect   | Peter Slaughter | 2017-04-07 22:06 | d1_indexer        |
| 8078 | Infrastructure | Task    | New    | Normal   | standardize task serialization for language independence                               | Rob Nahf        | 2017-04-25 22:39 | d1_indexer        |
| 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        |
| 8066 | Infrastructure | Task    | New    | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest                         | Dave Vieglais   | 2017-04-11 23:47 | d1_indexer        |
| 7933 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor stops processing task queue                                    | Jing Tao        | 2017-01-11 23:47 | d1_indexer        |
| 7935 | Infrastructure | Task    | New    | Normal   | Use a dedicated hazelcast queue as the listener to generate index task                 | Jing Tao        | 2017-02-27 18:07 | d1_indexer        |
| 7936 | Infrastructure | Bug     | New    | Normal   | Same pid with different status exists in the index_task table                          | Jing Tao        | 2017-02-27 18:07 | d1_indexer        |
| 8850 | Infrastructure | Bug     | New    | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong            | Jing Tao        | 2019-11-06 18:32 | d1_indexer        |
| 8448 | Infrastructure | Bug     | New    | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file                              | Jing Tao        | 2018-03-02 22:06 | d1_indexer        |
| 7858 | Infrastructure | Bug     | New    | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package       |                 | 2017-03-28 16:20 | d1_indexer        |
| 8702 | Infrastructure | Story   | New    | Normal   | Indexing Refactor Strategy   | Rob Nahf        | 2018-09-24 18:05 | d1_indexer        |
| 8869 | Infrastructure | Story   | New    | Normal   | Equivalent identities show owning different amount of packages.                        | Jing Tao        | 2020-09-24 22:34 | d1_indexer        |
| 8736 | Infrastructure | Story   | New    | Normal   | Decouple the index generator to the hazelcast system metadata map                      |                 | 2019-01-22 19:27 | 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        |
| 8686 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor failed with NPE  | Rob Nahf        | 2018-08-24 01:35 | d1_indexer        |
| 8758 | Infrastructure | Story   | New    | Normal   | Index replicationStatus field  | Jing Tao        | 2019-01-14 18:00 | d1_indexer        |
| 8841 | Infrastructure | Story   | New    | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object    | Jing Tao        | 2019-09-10 22:41 | d1_indexer        |
| 8541 | Infrastructure | Bug     | New    | Normal   | index shutdown threw exception   | Rob Nahf        | 2018-04-12 16:44 | d1_indexer        |
| 8703 | Infrastructure | Task    | New    | Normal   | test the cleaned up indexer in DEV   | Rob Nahf        | 2018-09-24 18:05 | d1_indexer        |
| 3156 | Infrastructure | Task    | New    | Low      | Design Review: resource map indexing strategy  | Skye Roseboom   | 2012-08-27 18:51 | d1_indexer        |
| 8228 | Infrastructure | Bug     | New    | Normal   | Excessive replicas requested by integration test                                       | Rob Nahf        | 2018-03-02 21:52 | 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    |
| 2545 | Infrastructure | Task    | New    | Normal   | create d1_integration tests using for MN.generateIdentifier                            | Rob Nahf        | 2014-10-02 17:54 | d1_integration    |
| 3757 | Infrastructure | Task    | New    | Normal   | Verify Log reporting in MN Tester  | Rob Nahf        | 2013-05-10 17:42 | d1_integration    |
| 6850 | Java Client    | Story   | New    | Normal   | automate Java Client releases  | Rob Nahf        | 2018-01-17 19:42 | d1_libclient_java |

| #    | Project          | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category            |
|------|------------------|---------|--------|----------|--|---------------|------------------|---------------------|
| 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   |
| 1648 | Java Client      | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()  |               | 2016-06-22 16:51 | d1_libclient_java   |
| 8045 | Infrastructure   | Bug     | New    | Normal   | certificateLocation not seeming to be utilized   | Rob Nahf      | 2017-03-14 20:45 | d1_libclient_java   |
| 8230 | Infrastructure   | Task    | New    | Normal   | review bouncy castle version   | Rob Nahf      | 2018-03-02 21:48 | d1_libclient_java   |
| 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   |
| 7822 | Infrastructure   | Task    | New    | Normal   | Should we configure clients to use Expect 100-Continue header in 1.1 requests  | Rob Nahf      | 2016-06-03 19:46 | d1_libclient_java   |
| 7537 | Infrastructure   | Task    | New    | Normal   | add nodelist refreshes to NodeLocator classes  | Rob Nahf      | 2015-12-10 16:59 | d1_libclient_java   |
| 7538 | Infrastructure   | Task    | New    | Normal   | look at nodeFactory in how it builds mock CNodes   | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java   |
| 7312 | Java Client      | Feature | New    | Normal   | Restart connection manager   |               | 2015-08-24 17:24 | d1_libclient_java   |
| 8854 | Infrastructure   | Story   | New    | Normal   | Put the system metadata part ahead of the object part when d1_libclient_java constructs the multipart                | Jing Tao      | 2019-11-22 18:25 | d1_libclient_java   |
| 1559 | Java Client      | Task    | New    | Low      | Refactor d1_libclient_java echo tests  | Rob Nahf      | 2015-02-11 19:49 | d1_libclient_java   |
| 3165 | Java Client      | Bug     | New    | Low      | Libclient caching does not respect accessPolicies  | Rob Nahf      | 2015-02-11 18:37 | d1_libclient_java   |
| 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 |
| 7427 | Python Libraries | Task    | New    | Normal   | adjust API signatures in python libraries  | Dave Vieglais | 2016-03-25 01:11 | d1_libclient_python |
| 7298 | Python Libraries | Bug     | New    | Normal   | escapeQueryTerm should be a module method not a class method   | Dave Vieglais | 2015-08-18 15:06 | d1_libclient_python |
| 7123 | Python Libraries | Task    | New    | Normal   | Send Authorization header carrying authentication token  | Roger Dahl    | 2016-04-21 22:37 | d1_libclient_python |
| 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 |
| 6514 | Infrastructure   | Task    | New    | Normal   | Reharvest all Records to build initial cache   | Robert Waltz  | 2015-01-13 15:56 | d1_log_aggregation  |
| 8604 | Infrastructure   | Task    | New    | Normal   | Update the static IP lists for robots etc  | Dave Vieglais | 2018-06-07 20:56 | d1_log_aggregation  |
| 6513 | Infrastructure   | Story   | New    | Normal   | Create a Local Cache of all Membernode log records on the single master CN   | Dave Vieglais | 2018-01-17 19:49 | d1_log_aggregation  |
| 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  |
| 1873 | Infrastructure   | Feature | New    | Normal   | Postprocessing tool for log reporting  |               | 2014-10-02 17:06 | d1_log_aggregation  |
| 8602 | Infrastructure   | Story   | New    | Normal   | Log aggregation and augmentation process mid 2018 updates  | Dave Vieglais | 2018-06-07 20:49 | d1_log_aggregation  |
| 7688 | Infrastructure   | Bug     | New    | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification                                    | Dave Vieglais | 2018-01-02 12:02 | d1_log_aggregation  |
| 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  |

| #    | Project        | Tracker  | Status | Priority | Subject  | Assignee       | Updated          | Category           |
|------|----------------|----------|--------|----------|--|----------------|------------------|--------------------|
| 6056 | Infrastructure | Story    | New    | Normal   | remove log aggregation processing from d1-processing Linux service                                   | Dave Vieglais  | 2018-01-17 19:55 | d1_log_aggregation |
| 7868 | Infrastructure | Bug      | New    | Normal   | potential gaps between log harvests  | Rob Nahf       | 2017-03-23 15:40 | d1_log_aggregation |
| 7702 | Log Reporting  | Task     | New    | Normal   | abnormal strings in ipAddress field of solr  | Robert Waltz   | 2016-06-22 17:18 | d1_log_aggregation |
| 7682 | Log Reporting  | Task     | New    | Normal   | Sluggish Purging Read Event Cache  |                | 2016-03-17 15:02 | d1_log_aggregation |
| 8603 | Infrastructure | Bug      | New    | Normal   | log aggregation incorrectly assigning location information   | Dave Vieglais  | 2018-06-07 20:52 | d1_log_aggregation |
| 7104 | Infrastructure | Task     | New    | Normal   | Event index reindexing shouldn't require re-harvest from MNs   |                | 2015-07-09 15:34 | d1_log_aggregation |
| 3328 | Infrastructure | Task     | New    | Normal   | Enable a data preview from the search results page   | Chris Jones    | 2012-10-23 19:34 | d1_mercury         |
| 8105 | Infrastructure | Task     | New    | Normal   | Remove dataone-mercury from production CNs   | Jing Tao       | 2018-03-02 22:17 | d1_mercury         |
| 3099 | Infrastructure | Decision | New    | Normal   | ONE-Mercury display of data set citation   | Dave Vieglais  | 2012-07-23 21:24 | d1_mercury         |
| 8791 | Infrastructure | Story    | New    | Normal   | Complete deprecation of ONEMercury interface   | Rob Nahf       | 2019-05-01 14:00 | d1_mercury         |
| 1227 | Infrastructure | Task     | New    | Normal   | configure Hudson to build Mercury for deployment to a CN   | Dave Vieglais  | 2011-01-13 15:16 | d1_mercury         |
| 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          |
| 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          |
| 2492 | Infrastructure | Task     | New    | Normal   | Add status page for given {pid}  | Ben Leinfelder | 2012-03-15 02:02 | d1_monitor         |
| 2035 | Infrastructure | Task     | New    | Normal   | Design nagios system for monitoring CN locations   | Nick Outin     | 2014-09-24 18:29 | d1_monitor         |
| 8102 | Infrastructure | Task     | New    | Normal   | Upgrade postgresql jdbc jar file on Portal   | Jing Tao       | 2017-06-02 20:53 | d1_portal          |
| 8860 | CN REST        | Bug      | New    | Normal   | /token endpoint doesn't set a content-type and character encoding                                    |                | 2020-02-29 01:00 | d1_portal          |
| 8724 | Infrastructure | Bug      | New    | Normal   | index out of bounds error in PortalCertificateManager  | Rob Nahf       | 2018-10-02 19:11 | d1_portal          |
| 8069 | Infrastructure | Bug      | New    | Normal   | Name from ORCID incorrectly parsed   | Ben Leinfelder | 2017-04-12 20:28 | d1_portal_servlet  |
| 7884 | Infrastructure | Task     | New    | Normal   | CN portal log is misconfigured   | Rob Nahf       | 2016-09-09 20:18 | d1_portal_servlet  |
| 5321 | Infrastructure | Bug      | New    | Normal   | Multiple Hazelcast Client connections to same storage instance                                       | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon  |
| 8161 | Infrastructure | Bug      | New    | Normal   | d1-processing Out of Memory Error  | Dave Vieglais  | 2018-02-20 16:19 | d1_process_daemon  |
| 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          |
| 8162 | Infrastructure | Story    | New    | Normal   | Replication tasks can contain stale potential target nodes   | Rob Nahf       | 2018-03-02 21:47 | d1_replication     |
| 6376 | Infrastructure | Task     | New    | Normal   | test the new strategy against working ReplicationManager test  | Rob Nahf       | 2016-06-22 16:53 | d1_replication     |
| 8642 | Infrastructure | Bug      | New    | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion                      | Dave Vieglais  | 2018-07-05 12:11 | d1_replication     |
| 8196 | Infrastructure | Bug      | New    | Normal   | Duplicated replicas in the system metadata   | Jing Tao       | 2017-10-18 17:19 | d1_replication     |



| #    | Project        | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category               |
|------|----------------|---------|--------|----------|--|---------------|------------------|------------------------|
| 8640 | Infrastructure | Bug     | New    | Normal   | Replication includes "down" nodes as replication targets   | Chris Jones   | 2018-07-04 11:29 | d1_replication         |
| 4038 | Infrastructure | Feature | New    | Normal   | change default replication implementation  | Matthew Jones | 2014-10-01 21:26 | d1_replication         |
| 8639 | Infrastructure | Story   | New    | Normal   | Replication performance is too slow to service demand  | Chris Jones   | 2018-07-04 11:18 | d1_replication         |
| 7178 | Infrastructure | Bug     | New    | Normal   | duplicate replica information on mn-demo-5   | Robert Waltz  | 2015-07-01 20:14 | d1_replication         |
| 8641 | Infrastructure | Bug     | New    | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones   | 2018-07-04 12:28 | d1_replication         |
| 8778 | CN REST        | Task    | New    | Normal   | Ensure SystemMetadata replica auditing updates are saved and broadcast   | Chris Jones   | 2019-03-12 16:54 | d1_replication_auditor |
| 8776 | CN REST        | Task    | New    | Normal   | Set valid replica status to completed  | Chris Jones   | 2019-03-12 15:57 | d1_replication_auditor |
| 8108 | Infrastructure | Support | New    | Normal   | Must determine the state of replication auditing for when replicas on non-functioning MNs are still reported as complete     | Dave Vieglais | 2017-06-06 17:56 | d1_replication_auditor |
| 8777 | CN REST        | Task    | New    | Normal   | Configure CN to audit objects greater than 1GB   | Chris Jones   | 2019-03-13 20:50 | d1_replication_auditor |
| 8757 | CN REST        | Story   | New    | Normal   | Fix getChecksum() in MNAuditTask to use dynamic checksum algorithms  | Chris Jones   | 2019-01-14 19:48 | d1_replication_auditor |
| 8756 | CN REST        | Story   | New    | Normal   | Ensure replica auditor is effective  | Chris Jones   | 2019-01-15 21:00 | d1_replication_auditor |
| 8582 | CN REST        | Story   | New    | Normal   | Replica Auditing service is throwing errors  | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor |
| 8864 | CN REST        | Story   | New    | Normal   | Synchronization does not register authoritative replica entry correctly  | Jing Tao      | 2020-06-19 21:59 | d1_synchronization     |
| 8827 | Infrastructure | Bug     | New    | Normal   | synchronization doesn't update dateSystemMetadataModified if that's the only field that changed                              | Rob Nahf      | 2019-07-11 21:26 | d1_synchronization     |
| 8783 | Infrastructure | Bug     | New    | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeldRoundRobin   | Rob Nahf      | 2019-04-02 20:10 | d1_synchronization     |
| 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     |
| 6070 | Infrastructure | Bug     | New    | Normal   | CNs missing GOA objects  | Robert Waltz  | 2016-08-10 20:56 | d1_synchronization     |
| 6011 | Infrastructure | Bug     | New    | Normal   | Synchronization fails from max_syncobjectqueue_size  | Robert Waltz  | 2016-01-05 17:52 | d1_synchronization     |
| 8097 | Infrastructure | Story   | New    | Normal   | Metacat (storage) and d1-synchronize both have the code to compute the checksum  | Jing Tao      | 2018-01-09 19:10 | d1_synchronization     |
| 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     |
| 7954 | Infrastructure | Bug     | New    | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN                                       | Roger Dahl    | 2017-04-19 18:55 | d1_synchronization     |
| 7889 | Infrastructure | Story   | New    | Normal   | Synchronization not happening when authoritativeMN is not set correctly.   | Rob Nahf      | 2018-01-17 19:01 | d1_synchronization     |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee        | Updated          | Category                |
|------|----------------|---------|--------|----------|---|-----------------|------------------|-------------------------|
| 8737 | Infrastructure | Story   | New    | Normal   | Submitters and rights-holders with group permissions can't be granted authorization when the sync process validates sid | Jing Tao        | 2018-11-28 17:12 | d1_synchronization      |
| 7911 | CN REST        | Task    | New    | Normal   | Synchronization allows invalid checksums, preventing corrected sync   |                 | 2016-10-17 15:58 | d1_synchronization      |
| 4098 | Infrastructure | Task    | New    | Normal   | Synchronization should allow valid replicas held by MNs to set obsoletedBy and archive flags                            | Dave Vieglais   | 2014-07-31 22:23 | d1_synchronization      |
| 7687 | CN REST        | Bug     | New    | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification                                      | Rob Nahf        | 2016-07-22 19:22 | d1_synchronization      |
| 8851 | Infrastructure | Story   | New    | Normal   | CN sends error doc with "pid" to v2 endpoint  | Jing Tao        | 2019-11-06 22:31 | d1_synchronization      |
| 2488 | Infrastructure | Story   | New    | Normal   | Changing the authoritativeMembernode will require all replica's systemMetadata be updated                               | Dave Vieglais   | 2018-01-17 20:39 | d1_synchronization      |
| 7161 | CN REST        | Bug     | New    | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized  |                 | 2015-06-05 18:04 | d1_synchronization      |
| 8053 | Infrastructure | Feature | New    | Normal   | add funding award number to index   | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index        |
| 8167 | Infrastructure | Story   | New    | Normal   | Enable postgres replication between Coordinating Nodes  | Monica Ihli     | 2018-01-09 19:10 | dataone-cn-os-core      |
| 8115 | Infrastructure | Bug     | New    | Normal   | LDAP logging is set to DEBUG on production CNs  | Rob Nahf        | 2017-12-26 18:29 | dataone-cn-os-core      |
| 7699 | Infrastructure | Bug     | New    | Normal   | alter scripts that backup postgresql db   |                 | 2017-05-09 17:33 | dataone-cn-os-core      |
| 8804 | Infrastructure | Task    | New    | Normal   | Add ldap backup config to cn os-core  | Dave Vieglais   | 2019-05-21 12:32 | dataone-cn-os-core      |
| 8076 | Infrastructure | Bug     | New    | High     | sysmeta can not be retrieved for some objects   | Dave Vieglais   | 2017-04-22 01:54 | dataone-cn-rest-service |
| 8857 | Infrastructure | Story   | New    | Normal   | D1Client.getCN() always get the production cn on the CN Tomcat context  | Jing Tao        | 2019-12-13 00:34 | dataone-cn-rest-service |
| 3468 | Infrastructure | Task    | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key  | Ben Leinfelder  | 2013-01-08 18:35 | Documentation           |
| 1983 | Infrastructure | Task    | New    | Normal   | UC04 describes MNCORE.ping() with discovery capability  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 1986 | Infrastructure | Task    | New    | Normal   | Update UC04 to use correct CN method for determining if a PID exists  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 1961 | Infrastructure | Task    | New    | Normal   | Types.ErrorMessage - does not exist   | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 3315 | Infrastructure | Task    | New    | Normal   | CNRead.query() - POST in addition to GET  | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 3314 | Infrastructure | Task    | New    | Normal   | CNRead.getQueryEngineDescription() - REST URL   | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 6167 | Infrastructure | Task    | New    | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case                              | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |
| 6069 | Infrastructure | Story   | New    | Normal   | open ask.dataone.org sign-in to community   | Dave Vieglais   | 2014-10-01 20:39 | Documentation           |
| 3063 | Infrastructure | Task    | New    | Normal   | Change Mutability of Metadata documentation   | Dave Vieglais   | 2014-09-24 18:27 | Documentation           |
| 1502 | Infrastructure | Task    | New    | Normal   | Fix hierarchy of permission levels.   | Matthew Jones   | 2014-10-01 20:47 | Documentation           |
| 4190 | Infrastructure | Task    | New    | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglais   | 2014-09-24 18:28 | Documentation           |
| 2826 | Infrastructure | Task    | New    | Normal   | MNStorage.archive() - Permissions   | Dave Vieglais   | 2014-10-02 17:21 | Documentation           |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee      | Updated          | Category      |
|------|----------------|---------|--------|----------|---|---------------|------------------|---------------|
| 3720 | Infrastructure | Story   | New    | Normal   | resource maps should be validated   | Dave Vieglais | 2018-01-17 20:17 | Documentation |
| 2810 | Infrastructure | Task    | New    | Normal   | setReplicationStatus() example rwt state transition is incorrect  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2809 | Infrastructure | Task    | New    | Normal   | MNStorage.update() - Make behavior explicit   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 4102 | Infrastructure | Task    | New    | Normal   | Add expiration policy for CNCORE.reserveldentifier()  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2794 | Infrastructure | Task    | New    | Normal   | Exceptions: Remove unsupported exception serializations and add "header serialization"                  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2793 | Infrastructure | Task    | New    | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header                   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2688 | Infrastructure | Task    | New    | Normal   | Develop guidelines for how Subject entries are handled - creation, normalization, comparison            | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 2660 | Infrastructure | Task    | New    | Normal   | Deciding on a key size for D1 certs   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2646 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - Add information about CNReplication.isNodeAuthorized()                     | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3901 | Infrastructure | Task    | New    | Normal   | Review Mozilla Persona as an alternative for identity management  | Dave Vieglais | 2013-08-09 11:57 | Documentation |
| 3881 | Infrastructure | Task    | New    | Normal   | 4.2.1.4 Definition of Verified User Lacking   | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 2508 | Infrastructure | Task    | New    | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.                            | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2475 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationStatus() - How to represent null  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2466 | Infrastructure | Task    | New    | Normal   | Authentication - Remove references to Principal   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3807 | Infrastructure | Task    | New    | Normal   | Add documentation for Types.QueryEngineDescription  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2465 | Infrastructure | Task    | New    | Normal   | Authentication - Remove TODO about selecting format for principal name                                  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2464 | Infrastructure | Task    | New    | Normal   | Authentication - no space after comma in subjects   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 3728 | Infrastructure | Task    | New    | Normal   | Update and augment architecture use cases to describe processes for property changes on system metadata | Dave Vieglais | 2014-09-24 18:27 | Documentation |
| 7279 | Infrastructure | Task    | New    | Normal   | MN implementation documentation - need document management solution                                     | Dave Vieglais | 2015-07-28 22:24 | Documentation |
| 7177 | Infrastructure | Task    | New    | Normal   | Develop video documentation for certificate management  | Dave Vieglais | 2015-06-10 01:33 | Documentation |
| 2394 | Infrastructure | Task    | New    | Normal   | CNRead.search() - solr / SOLR   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2342 | Infrastructure | Task    | New    | Normal   | CNCORE.reserveldentifier() - Update REST description  | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 7176 | Infrastructure | Task    | New    | Normal   | Develop textual documentation for certificate management  | Dave Vieglais | 2015-06-10 01:33 | Documentation |
| 2227 | Infrastructure | Task    | New    | Normal   | Specify valid mimetypes for responses   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2172 | Infrastructure | Task    | New    | Normal   | Types.DateTime: Example serialization without TZ designator   | Dave Vieglais | 2014-10-02 17:21 | Documentation |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category      |
|------|----------------|---------|--------|----------|--|---------------|------------------|---------------|
| 3598 | Infrastructure | Task    | New    | Normal   | Node document subject description is a bit unclear                   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2142 | Infrastructure | Task    | New    | Normal   | MNReplication.getReplica() - include PID in signature                | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2123 | Infrastructure | Task    | New    | Normal   | Description of serialVersion   | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2083 | Infrastructure | Task    | New    | Normal   | Split the CN API into public and private sections                    | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2054 | Infrastructure | Task    | New    | Normal   | CNReplication.setReplicationPolicy(),<br>updateReplicationMetadata() | Dave Vieglais | 2014-10-02 17:21 | Documentation |
| 2051 | Infrastructure | Task    | New    | Normal   | Use subject instead of NodeRef                                       |               | 2011-11-23 18:11 | Documentation |
| 3438 | Infrastructure | Task    | New    | Normal   | Evaluate utility of schema.org                                       |               | 2012-12-21 16:15 | Documentation |

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