

## Issues

| #    | Project        | Tracker      | Status      | Priority  | Subject  | Assignee       | Updated          | Category                |
|------|----------------|--------------|-------------|-----------|--|----------------|------------------|-------------------------|
| 3521 | Member Nodes   | MNDeployment | Operational | Immediate | SEAD Member Node   | Laura Moyers   | 2019-06-05 17:46 |                         |
| 4210 | Infrastructure | Task         | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete()   | Chris Jones    | 2013-12-20 16:12 | Metacat                 |
| 3492 | Infrastructure | Bug          | In Progress | Urgent    | Invalid PIDs in production (whitespace)  | Jing Tao       | 2017-04-27 15:31 | Support Operations      |
| 3118 | Member Nodes   | MNDeployment | Operational | Urgent    | Dryad Member Node  | Laura Moyers   | 2019-03-05 18:37 |                         |
| 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              |
| 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           |
| 3906 | Member Nodes   | Task         | New         | High      | Update malformed Resource Maps   |                | 2013-08-09 17:50 |                         |
| 7919 | Infrastructure | Bug          | New         | High      | unloadable system metadata in CNs by Hazelcast   |                | 2016-11-01 19:30 | Metacat                 |
| 8195 | Infrastructure | Bug          | In Progress | High      | Tomcat out of memory error   | Dave Vieglais  | 2017-12-26 20:01 |                         |
| 8525 | Infrastructure | Story        | In Progress | High      | timeout exceptions thrown from Hazelcast disable synchronization   | Rob Nahf       | 2018-11-16 17:32 | d1_synchronization      |
| 6485 | Member Nodes   | MNDeployment | Operational | High      | The Digital Archaeology Record (tDAR)  | Laura Moyers   | 2019-10-09 02:24 |                         |
| 6544 | Member Nodes   | MNDeployment | Operational | High      | TERN Australia (powered by AEKOS)  | Bruce Wilson   | 2019-05-22 14:21 |                         |
| 7686 | Member Nodes   | Task         | Testing     | High      | tDAR - Enable URL links out to data from search results  | Ben Leinfelder | 2016-09-27 15:56 |                         |
| 8076 | Infrastructure | Bug          | New         | High      | sysmeta can not be retrieved for some objects  | Dave Vieglais  | 2017-04-22 01:54 | dataone-cn-rest-service |
| 8655 | Infrastructure | Bug          | New         | High      | Synchronization died with OOM  |                | 2018-07-13 11:24 |                         |
| 3555 | Member Nodes   | MNDeployment | Operational | High      | SANParks   | Laura Moyers   | 2018-05-09 21:19 |                         |
| 766  | Requirements   | Requirement  | New         | High      | (Requirement) Users should be able to easily assign proxy privileges to other users and to systems acting on their behalf for limited time durations | Dave Vieglais  | 2010-08-11 00:11 | Requirement             |
| 767  | Requirements   | Requirement  | New         | High      | (Requirement) Users need to be able to express embargo rules for data  | Dave Vieglais  | 2010-08-11 00:16 | Requirement             |
| 761  | Requirements   | Requirement  | New         | High      | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Vieglais  | 2010-09-06 03:06 | Requirement             |
| 771  | Requirements   | Requirement  | New         | High      | (Requirement) User identities should have simple string serializations that express both the user identity and namespace from which it is drawn      | Dave Vieglais  | 2010-09-06 03:12 | Requirement             |
| 762  | Requirements   | Requirement  | New         | High      | (Requirement) User identities can be derived from existing institutional directory services  | Dave Vieglais  | 2010-09-06 03:01 | Requirement             |
| 765  | Requirements   | Requirement  | New         | High      | (Requirement) Tools can access an API for authn and authz  | Dave Vieglais  | 2010-09-06 20:30 | Requirement             |
| 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          |

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| 795  | Requirements   | Requirement  | New         | High     | (Requirement) System must support revocation of user permissions   | Dave Vieglais | 2010-08-29 20:45 | Requirement       |
| 318  | Requirements   | Requirement  | New         | High     | (Requirement) Sponsor required Y1 functionality  | Dave Vieglais | 2010-09-06 03:24 | d1_common_java    |
| 821  | Requirements   | Requirement  | New         | High     | (Requirement) Sponsor required functionality   | Dave Vieglais | 2010-09-06 03:28 | d1_common_java    |
| 822  | Requirements   | Requirement  | New         | High     | (Requirement) Object access and manipulation should be responsive  | Dave Vieglais | 2010-09-06 20:27 | d1_common_java    |
| 768  | Requirements   | Requirement  | New         | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals  | Dave Vieglais | 2010-08-11 00:34 | Requirement       |
| 392  | Requirements   | Requirement  | New         | High     | (Requirement) Identity and access control should be interoperable across datanets                        | Dave Vieglais | 2010-09-06 20:31 | Requirement       |
| 384  | Requirements   | Requirement  | New         | High     | (Requirement) Enable efficient mechanisms for users to discover content                                  | Dave Vieglais | 2010-09-06 03:58 | d1_common_java    |
| 391  | Requirements   | Requirement  | New         | High     | (Requirement) Enable different classes of users commensurate with their roles.                           | Dave Vieglais | 2010-09-06 20:51 | Requirement       |
| 390  | Requirements   | Requirement  | New         | High     | (Requirement) Consistent mechanism for identifying users   | Dave Vieglais | 2010-09-06 20:50 | Requirement       |
| 820  | Requirements   | Requirement  | New         | High     | (Requirement) Common API for authentication and authorization operations                                 | Dave Vieglais | 2010-09-06 21:23 | Requirement       |
| 770  | Requirements   | Requirement  | New         | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public' | Dave Vieglais | 2010-08-11 00:41 | Requirement       |
| 769  | Requirements   | Requirement  | New         | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators    | Dave Vieglais | 2010-09-06 03:02 | Requirement       |
| 777  | Requirements   | Requirement  | New         | High     | (Requirement) Authorization rules should support common permission levels                                | Dave Vieglais | 2010-09-06 20:49 | Requirement       |
| 772  | Requirements   | Requirement  | New         | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications | Dave Vieglais | 2010-08-11 07:54 | Requirement       |
| 763  | Requirements   | Requirement  | New         | High     | (Requirement) Authentication and authorization services are geographically replicated                    | Dave Vieglais | 2010-09-06 20:52 | Requirement       |
| 764  | Requirements   | Requirement  | New         | High     | (Requirement) Authentication and access control should be consistently available                         | Dave Vieglais | 2010-09-06 20:32 | Requirement       |
| 393  | Requirements   | Requirement  | New         | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.                     | Dave Vieglais | 2010-09-06 20:27 | Requirement       |
| 8823 | Infrastructure | Story        | New         | High     | Recent Apache and OpenSSL combinations break connectivity on Ubuntu 18.04                                | Dave Vieglais | 2019-06-19 02:43 |                   |
| 6548 | Member Nodes   | MNDeployment | Operational | High     | R2R Repository   | Monica Ihi    | 2018-07-26 13:49 |                   |
| 8026 | Infrastructure | Task         | Testing     | High     | Portal reaches the maximum capacity in a pool  | Jing Tao      | 2017-03-14 00:36 | d1_portal_servlet |
| 3553 | Member Nodes   | MNDeployment | Operational | High     | PISCO  | Laura Moyers  | 2018-01-10 01:13 |                   |
| 3675 | Infrastructure | Bug          | New         | High     | package relationships not available for archived objects   | Rob Nahf      | 2018-09-21 21:01 | d1_indexer        |
| 8722 | Infrastructure | Bug          | New         | High     | Object in search index but systemmetadata is not available.  | Jing Tao      | 2018-10-03 17:48 |                   |

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| 6853 | Member Nodes   | MNDeployment | New         | High     | OBIS (Ocean Biogeographic Information System)                                      | Laura Moyers  | 2015-11-19 17:46 |                    |
| 3232 | Member Nodes   | MNDeployment | Operational | High     | LTER-EUROPE  | Laura Moyers  | 2018-11-21 16:58 |                    |
| 3664 | Member Nodes   | MNDeployment | New         | High     | Landcare Research New Zealand  | Laura Moyers  | 2015-11-19 19:39 |                    |
| 3554 | Member Nodes   | MNDeployment | Operational | High     | KNB  | Jing Tao      | 2018-08-31 15:16 |                    |
| 8622 | Member Nodes   | Bug          | New         | High     | IOE repository is not responding   | Amy Forrester | 2019-03-05 20:54 |                    |
| 1556 | Infrastructure | Task         | In Progress | High     | Interns mailing list   |               | 2011-05-12 23:02 |                    |
| 8824 | Infrastructure | Task         | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                                   | Dave Vieglais | 2019-06-19 12:11 |                    |
| 3238 | Member Nodes   | MNDeployment | Operational | High     | Idaho Northwest Knowledge Network member node                                      | Amy Forrester | 2019-10-08 15:14 |                    |
| 7651 | Python GMN     | Bug          | New         | High     | GMN returns two different dateSysMetadataModified dateTime stamps for same object  | Roger Dahl    | 2016-04-14 14:17 |                    |
| 7738 | Python GMN     | Bug          | New         | High     | GMN perpetually retries system metadata updates after failures                     | Roger Dahl    | 2016-04-14 14:26 |                    |
| 7740 | Python GMN     | Bug          | New         | High     | GMN fails to write system metadata during a refresh under unknown conditions       | Roger Dahl    | 2016-04-14 14:56 |                    |
| 8829 | Member Nodes   | Task         | New         | High     | get DKAN connected to GMN  | John Evans    | 2019-09-03 13:24 |                    |
| 8500 | Infrastructure | Bug          | New         | High     | Geohash not calculated properly  | Jing Tao      | 2018-03-14 17:06 | d1_indexer         |
| 3556 | Member Nodes   | MNDeployment | Operational | High     | ESA Data Registry  | Amy Forrester | 2019-10-08 15:28 |                    |
| 3221 | Member Nodes   | MNDeployment | Operational | High     | EDAC member node   | Amy Forrester | 2018-08-31 15:15 |                    |
| 592  | Requirements   | Requirement  | New         | High     | DataONE needs to synchronize metadata between MNs and CNs                          | Robert Waltz  | 2010-09-06 02:28 | d1_cn_service      |
| 8867 | CN REST        | Bug          | New         | High     | CNCore.listChecksumAlgorithms() returns incorrect list                             | Jing Tao      | 2020-08-06 00:06 | d1_cn_rest         |
| 7601 | Infrastructure | Bug          | New         | High     | CN checksum inconsistencies  | Dave Vieglais | 2016-01-26 19:29 |                    |
| 7046 | Member Nodes   | Task         | New         | High     | Certificate DC=org,DC=dataone,CN=osu.piscoweb.org expires in Prod environment      | Laura Moyers  | 2015-04-20 16:54 |                    |
| 3558 | Member Nodes   | MNDeployment | Operational | High     | CDL Merritt  | Laura Moyers  | 2018-08-23 17:05 |                    |
| 8173 | Infrastructure | Story        | New         | High     | add checks for retrograde systemMetadata changes                                   | Jing Tao      | 2018-01-17 18:38 | d1_indexer         |
| 5582 | Infrastructure | Bug          | New         | Normal   | xinetd not supported via debian install  | Robert Waltz  | 2014-10-02 19:27 | 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     |
| 1048 | Infrastructure | Task         | In Progress | Normal   | Write authorization system specification   | Matthew Jones | 2014-10-01 20:47 |                    |
| 1047 | Infrastructure | Task         | In Progress | Normal   | Write Authentication system specification  | Matthew Jones | 2014-10-01 20:47 |                    |
| 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 |                    |
| 7475 | DUG            | Task         | New         | Normal   | Work with Erin/ESIP to distribute the brochure widely to students/faculty from UNC |               | 2015-11-09 22:38 |                    |
| 2685 | Infrastructure | Task         | New         | Normal   | Where's the WIFFM on the DataONE web site for the researcher user?                 |               | 2012-05-01 15:31 | Support Operations |

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| 6705 | Infrastructure | Decision     | New         | Normal   | What behavior should be when a user request a sid when all the pids matching the sid were obsoleted |                     | 2014-12-10 20:08 |                               |
| 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 |                               |
| 8247 | Member Nodes   | Task         | New         | Normal   | Verify upgraded metacat is operating correctly as a production member node.                         | Jing Tao            | 2018-02-02 15:49 |                               |
| 5122 | Member Nodes   | Task         | New         | Normal   | Verify/update information in TFRI's node registration   | Chris Jones         | 2014-04-18 16:51 |                               |
| 1226 | Infrastructure | Task         | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                                   |                     | 2011-01-13 14:57 | d1_cn_buildout                |
| 3868 | Member Nodes   | Task         | In Progress | Normal   | Verify TFRI node is running NTP   | Ben Leinfelder      | 2013-08-05 17:25 |                               |
| 8369 | Infrastructure | Task         | New         | Normal   | Verify operation and transfer DNS   | Dave Vieglais       | 2018-02-15 17:40 |                               |
| 2791 | Infrastructure | Task         | New         | Normal   | verify on dev machines  | Dave Vieglais       | 2012-05-21 17:41 | d1_cn_buildout                |
| 7930 | Member Nodes   | Task         | In Progress | Normal   | verify obsolescence in tDAR sandbox   | Dave Vieglais       | 2016-12-01 23:47 |                               |
| 3757 | Infrastructure | Task         | New         | Normal   | Verify Log reporting in MN Tester   | Rob Nahf            | 2013-05-10 17:42 | d1_integration                |
| 8810 | CN REST        | Task         | New         | Normal   | Verify configuration of portal certificates   |                     | 2019-05-21 13:00 |                               |
| 8066 | Infrastructure | Task         | New         | Normal   | Verify completeness of unit test MetacatRdfXmlSubprocessorTest                                      | Dave Vieglais       | 2017-04-11 23:47 | d1_indexer                    |
| 1411 | Infrastructure | Task         | New         | Normal   | Vendor Specific Extensions  |                     | 2011-03-08 16:59 |                               |
| 8796 | Infrastructure | Story        | New         | Normal   | Various issues with service access after upgrade to 18.04   | Jing Tao            | 2019-05-21 12:38 |                               |
| 4067 | Infrastructure | Bug          | New         | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.         | Robert Waltz        | 2016-08-10 21:01 | d1_cn_service                 |
| 4118 | Member Nodes   | Task         | New         | Normal   | Validate FRIM sync against stage environment  |                     | 2015-01-23 19:02 |                               |
| 6497 | Python GMN     | Feature      | In Progress | Normal   | V2 GMN Support  | Dave Vieglais       | 2016-03-25 01:27 |                               |
| 7389 | Java Client    | Task         | Testing     | Normal   | V2 D1Object fails to download V1 content  | Chris Jones         | 2015-09-28 17:50 | d1_libclient_java             |
| 8850 | Infrastructure | Bug          | New         | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                         | Jing Tao            | 2019-11-06 18:32 | d1_indexer                    |
| 7097 | Infrastructure | Bug          | New         | Normal   | v1 call to CN.search() yields a NoClassDef exception for boucnycastle                               | Rob Nahf            | 2015-05-12 18:46 |                               |
| 4115 | Member Nodes   | MNDeployment | Deferred    | Normal   | UTK Institutional Repository  |                     | 2018-04-17 17:32 |                               |
| 8683 | Member Nodes   | Story        | New         | Normal   | USGS SDC: redeploy as a v2 Slender Node with GMN  | John Evans          | 2019-05-15 14:03 |                               |
| 7082 | Member Nodes   | MNDeployment | Operational | Normal   | USGS Science Data Catalog (SDC)   | Laura Moyers        | 2018-10-09 16:27 |                               |
| 3989 | Member Nodes   | Task         | New         | Normal   | USGS Clearinghouse resource maps have discrepancies with CN   | Ranjeet Devarakonda | 2013-09-26 23:34 |                               |
| 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 |
| 2051 | Infrastructure | Task         | New         | Normal   | Use subject instead of NodeRef  |                     | 2011-11-23 18:11 | Documentation                 |

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| 8077 | Search UI               | Task         | New         | Normal   | Use ORE PID for citation if DOI   |                     | 2017-04-24 16:32 |                        |
| 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             |
| 7050 | Member Nodes            | MNDeployment | New         | Normal   | USDA ARS  |                     | 2015-04-17 17:27 |                        |
| 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          |
| 8086 | Infrastructure          | Task         | In Progress | Normal   | upgrade Spring dependencies   | Rob Nahf            | 2019-07-25 20:32 | d1_indexer             |
| 8102 | Infrastructure          | Task         | New         | Normal   | Upgrade postgresql jdbc jar file on Portal  | Jing Tao            | 2017-06-02 20:53 | d1_portal              |
| 8104 | Infrastructure          | Task         | New         | Normal   | Upgrade postgresql jdbc jar file on Metacat   | Jing Tao            | 2017-06-02 20:58 | Metacat                |
| 8782 | Infrastructure          | Story        | New         | Normal   | Upgrade OS to Ubuntu 18.04 on CNs   | Jing Tao            | 2019-03-22 18:12 |                        |
| 8246 | Member Nodes            | Task         | New         | Normal   | Upgrade metacat to the latest version   | Jing Tao            | 2018-04-23 16:09 |                        |
| 8244 | Member Nodes            | Story        | New         | Normal   | Upgrade Member Node to current version of Metacat (IOE)   | Amy Forrester       | 2018-01-25 15:36 |                        |
| 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 |                        |
| 3380 | Infrastructure          | Task         | New         | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x   | Dave Vieglais       | 2012-12-12 16:50 |                        |
| 7183 | Infrastructure          | Story        | New         | Normal   | Update wild card server certificate on all test.dataone.org systems                                       | Dave Vieglais       | 2015-06-15 15:10 | Support Operations     |
| 2585 | Infrastructure          | Task         | In Progress | Normal   | Update Use Case 09  | Skye Roseboom       | 2014-09-11 15:47 | d1_replication         |
| 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          |
| 8604 | Infrastructure          | Task         | New         | Normal   | Update the static IP lists for robots etc   | Dave Vieglais       | 2018-06-07 20:56 | d1_log_aggregation     |
| 7439 | MN Service Registration | Task         | New         | Normal   | Update the search interface to support rendering and other actions for services                           | Dave Vieglais       | 2015-10-16 14:06 |                        |
| 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             |
| 6053 | Member Nodes            | Task         | In Progress | Normal   | Update science metadata files to include ORNL schema type   | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 4200 | Infrastructure          | Task         | New         | Normal   | Update replication.properties with metacat database password after upgrade before starting process daemon | Chris Jones         | 2013-12-11 20:34 | Environment.Production |
| 6398 | Infrastructure          | Task         | New         | Normal   | update MNWebTest operations docs  | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |
| 1649 | Infrastructure          | Task         | New         | Normal   | Update Metacat's CNCOREImpl to include addFormat()  |                     | 2016-06-22 16:51 |                        |
| 1651 | Infrastructure          | Task         | New         | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                                    |                     | 2016-06-22 16:51 |                        |
| 3625 | Infrastructure          | Task         | New         | Normal   | Update existing SANParks doctype="metadata" objects to new ESRI/FGDC objectFormatId                       | Ben Leinfelder      | 2013-02-27 23:44 | Environment.Production |
| 6367 | Infrastructure          | Task         | New         | Normal   | Update drive firmware on P2-1 UCSB SAN Array  | Nick Outin          | 2014-09-08 20:19 | Hardware               |
| 4189 | Infrastructure          | Task         | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation   | Dave Vieglais       | 2017-01-14 00:24 | d1_schemas             |

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| 1648 | Java Client    | Task         | New         | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                                       |                  | 2016-06-22 16:51 | d1_libclient_java       |
| 1647 | Java Client    | Task         | New         | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                                    |                  | 2016-06-22 16:51 | d1_common_java          |
| 1650 | Infrastructure | Task         | New         | Normal   | Update d1_cn_service ProxyCNCService and CNCController to include addFormat()                           |                  | 2016-06-22 16:51 |                         |
| 3624 | Infrastructure | Task         | Testing     | Normal   | Update CN index processing to support ESRI FGDC metadata format   | Skye Roseboom    | 2013-03-05 23:27 | d1_indexer              |
| 8858 | Infrastructure | Task         | New         | Normal   | Update CN Apache configs in version control with directives to support sitemaps                         | Bryce Mecum      | 2020-02-24 19:26 |                         |
| 8368 | Infrastructure | Story        | New         | Normal   | Update backup strategy for jenkins job configurations to subversion                                     | Dave Vieglais    | 2019-01-22 19:25 | Support Operations      |
| 4190 | Infrastructure | Task         | New         | Normal   | Update architecture docs to import dataoneErrors.xsd  | Dave Vieglais    | 2014-09-24 18:28 | 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           |
| 3567 | Member Nodes   | Task         | New         | Normal   | Unresolvable content on CN from ONEShare  |                  | 2016-06-03 13:43 |                         |
| 6761 | Infrastructure | Task         | New         | Normal   | unregister extraneous nodes in STAGE-2  |                  | 2015-01-14 00:49 | Environment.Stage2      |
| 3371 | Infrastructure | Task         | New         | Normal   | unmarshalTypeFromFile method is using FileReader  |                  | 2012-10-29 19:15 |                         |
| 3689 | Member Nodes   | MNDeployment | Deferred    | Normal   | University of South Carolina, Computer Science Department   |                  | 2018-08-31 15:26 |                         |
| 3213 | Member Nodes   | MNDeployment | Operational | Normal   | University of Illinois, Chicago member node   | Jing Tao         | 2020-01-23 22:42 |                         |
| 907  | Infrastructure | Task         | In Progress | Normal   | unify d1_integration for multiple environments and test languages                                       | Rob Nahf         | 2012-10-16 21:34 | d1_integration          |
| 7096 | CN REST        | Task         | New         | Normal   | Unexpectedly closed streams / disconnects on UNM network  | Dave Vieglais    | 2015-05-12 17:49 |                         |
| 6542 | Infrastructure | Bug          | New         | Normal   | Unable to add metadata document on mndemo8  |                  | 2014-10-30 16:30 | Environment.Development |
| 3191 | Member Nodes   | MNDeployment | Deferred    | Normal   | UC Vertnet Member Node  | Dave Vieglais    | 2017-01-31 14:54 |                         |
| 3236 | Member Nodes   | MNDeployment | New         | Normal   | UCNRS member node   | Mark Schildhauer | 2013-01-30 20:59 |                         |
| 8030 | Member Nodes   | MNDeployment | New         | Normal   | UCAR Research Data Archive  | Laura Moyers     | 2018-04-16 17:39 |                         |
| 1983 | Infrastructure | Task         | New         | Normal   | UC04 describes MNCORE.ping() with discovery capability  | 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           |
| 2172 | Infrastructure | Task         | New         | Normal   | Types.DateTime: Example serialization without TZ designator   | Dave Vieglais    | 2014-10-02 17:21 | Documentation           |
| 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          |
| 7882 | Infrastructure | Story        | In Progress | Normal   | Tune CN logfile management  | Dave Vieglais    | 2018-01-17 19:03 |                         |
| 2642 | Infrastructure | Task         | In Progress | Normal   | Try installing GMN according to the setup instructions  | Andrew Pippin    | 2012-07-06 16:25 | d1_mn_GMN               |

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| 8346 | Testing MN Management | Task         | New         | Normal   | Training & Education   |                | 2018-02-08 15:28 |                     |
| 8531 | Member Nodes          | Task         | New         | Normal   | Training & education   |                | 2018-04-06 15:11 |                     |
| 1333 | Infrastructure        | Task         | New         | Normal   | traceInformation -> trace  |                | 2011-02-09 22:46 |                     |
| 8860 | CN REST               | Bug          | New         | Normal   | /token endpoint doesn't set a content-type and character encoding                                      |                | 2020-02-29 01:00 | d1_portal           |
| 3894 | Infrastructure        | Task         | New         | Normal   | This task contains all the bugs related to the story   |                | 2014-09-24 18:27 |                     |
| 6389 | Infrastructure        | Task         | New         | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases       |                | 2014-09-18 00:42 |                     |
| 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          |
| 3501 | Infrastructure        | Task         | New         | Normal   | The list of MN objects doesn't show an object, but the direct access shows it                          |                | 2013-01-18 19:13 |                     |
| 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 |
| 3597 | Member Nodes          | Task         | New         | Normal   | The Avian Knowledge Network (AKN) and Cornell Lab of Ornithology eBird should be distinct Member Nodes | Ben Leinfelder | 2014-04-23 01:32 |                     |
| 4176 | Infrastructure        | Bug          | New         | Normal   | The archive method in CN doesn't call back to the authoritative and replica MNs.                       |                | 2014-10-01 21:25 |                     |
| 8846 | Member Nodes          | Bug          | New         | Normal   | TFRI node unresponsive   |                | 2019-10-08 15:26 |                     |
| 6376 | Infrastructure        | Task         | New         | Normal   | test the new strategy against working ReplicationManager test  | Rob Nahf       | 2016-06-22 16:53 | d1_replication      |
| 8703 | Infrastructure        | Task         | New         | Normal   | test the cleaned up indexer in DEV   | Rob Nahf       | 2018-09-24 18:05 | d1_indexer          |
| 6397 | Infrastructure        | Task         | New         | Normal   | test that it works from standalone .war  | Rob Nahf       | 2014-10-01 20:34 | MNWebChecker        |
| 8466 | Testing MN Management | Task         | New         | Normal   | test: Test Registration  |                | 2018-03-01 21:04 |                     |
| 8463 | Testing MN Management | Story        | New         | Normal   | test: Testing & Development  |                | 2018-03-01 21:04 |                     |
| 4665 | Java Client           | Task         | New         | Normal   | Tests contain redundant code.  |                | 2015-02-11 20:08 |                     |
| 8566 | Member Nodes          | Task         | In Progress | Normal   | Test Registration  | Rob Nahf       | 2019-04-16 17:17 |                     |
| 8350 | Testing MN Management | Task         | New         | Normal   | Test Registration  |                | 2018-02-08 15:28 |                     |
| 8294 | Testing MN Management | MNDeployment | New         | Normal   | Test Node 2  |                | 2018-02-08 15:28 |                     |
| 8462 | Testing MN Management | MNDeployment | New         | Normal   | Test MN ticket   |                | 2018-03-01 20:57 |                     |
| 8464 | Testing MN Management | Task         | New         | Normal   | test: Metadata Validation  |                | 2018-03-01 21:04 |                     |

| #    | Project               | Tracker      | Status      | Priority | Subject   | Assignee       | Updated          | Category           |
|------|-----------------------|--------------|-------------|----------|---|----------------|------------------|--------------------|
| 8347 | Testing MN Management | Story        | New         | Normal   | Testing & Development   |                | 2018-02-08 15:28 |                    |
| 925  | Infrastructure        | Task         | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                 |                | 2011-10-31 20:32 | d1_client_ONEDrive |
| 8145 | Member Nodes          | Task         | New         | Normal   | Test Fabric   | Monica Ihli    | 2017-07-19 00:44 |                    |
| 8467 | Testing MN Management | Task         | New         | Normal   | test: Display as Upcoming   |                | 2018-03-01 21:04 |                    |
| 8465 | Testing MN Management | Task         | New         | Normal   | test: Develop or Implement MN Software  |                | 2018-03-01 21:04 |                    |
| 8154 | Member Nodes          | Task         | New         | Normal   | Test content from the test NKN member node should be archived or deleted from production        |                | 2017-07-26 19:55 |                    |
| 8149 | Member Nodes          | Task         | New         | Normal   | Test 1.x to 2.x pip upgrade w/ no data  | Monica Ihli    | 2017-09-26 15:57 |                    |
| 7161 | CN REST               | Bug          | New         | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized                          |                | 2015-06-05 18:04 | d1_synchronization |
| 8345 | Testing MN Management | Task         | New         | Normal   | Technical Requirements  |                | 2018-02-08 15:28 |                    |
| 3201 | Member Nodes          | MNDeployment | Operational | Normal   | Taiwan Forestry Research Institute  | Amy Forrester  | 2019-10-08 15:26 |                    |
| 3211 | Member Nodes          | MNDeployment | New         | Normal   | Taiwan Ecological Research Network member node  | Ben Leinfelder | 2014-02-20 21:58 |                    |
| 7687 | CN REST               | Bug          | New         | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification              | Rob Nahf       | 2016-07-22 19:22 | 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 |
| 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 |
| 8783 | Infrastructure        | Bug          | New         | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeldRoundRobin                  | Rob Nahf       | 2019-04-02 20:10 | 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 |
| 6011 | Infrastructure        | Bug          | New         | Normal   | Synchronization fails from max_syncobjectqueue_size   | Robert Waltz   | 2016-01-05 17:52 | 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 |
| 7911 | CN REST               | Task         | New         | Normal   | Synchronization allows invalid checksums, preventing corrected sync                             |                | 2016-10-17 15:58 | 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 |
| 8864 | CN REST               | Story        | New         | Normal   | Synchronization does not register authoritative replica entry correctly                         | Jing Tao       | 2020-06-19 21:59 | d1_synchronization |



| #    | Project          | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category            |
|------|------------------|--------------|-------------|----------|---|---------------|------------------|---------------------|
| 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 |
| 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       |
| 6543 | Infrastructure   | Story        | New         | Normal   | Support RIF-CS metadata standard  | Dave Vieglais | 2018-01-17 19:46 | Format ID           |
| 8507 | Infrastructure   | Task         | New         | Normal   | Support generation of citation metadata records from dublin core  |               | 2018-03-19 22:37 |                     |
| 7754 | Search UI        | Story        | In Progress | Normal   | Support for XSL transform of various metadata formats   | Bryce Mecum   | 2018-05-17 14:18 | MetacatUI           |
| 6876 | Infrastructure   | Task         | New         | Normal   | Support for ISO 19139 metadata standard   |               | 2015-03-10 17:27 | Format ID           |
| 6877 | Infrastructure   | Task         | New         | Normal   | Support for ISO 19115 metadata standard   |               | 2015-03-10 18:08 | Format ID           |
| 6883 | Infrastructure   | Story        | New         | Normal   | support for ESRI Shapefile object format  |               | 2018-01-17 19:40 | Format ID           |
| 8504 | Infrastructure   | Story        | New         | Normal   | Support creation of data citation record from solr record   | Monica Ihli   | 2018-07-17 23:06 | d1_indexer          |
| 4671 | Java Client      | Task         | In Progress | Normal   | suggest updating the following versions:  |               | 2015-02-11 20:08 |                     |
| 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  |
| 1520 | Infrastructure   | Task         | New         | Normal   | Stream Output   |               | 2011-05-04 14:35 |                     |
| 3994 | Member Nodes     | Task         | New         | Normal   | Stories and bugs are showing up in the MN Dashboard; should be restricted to MNDeployment trackers  | Dave Vieglais | 2013-09-26 23:34 |                     |
| 7908 | DUG              | Task         | New         | Normal   | Start a lesson learned document   |               | 2016-10-11 20:35 |                     |
| 8078 | Infrastructure   | Task         | New         | Normal   | standardize task serialization for language independence  | Rob Nahf      | 2017-04-25 22:39 | d1_indexer          |
| 4663 | Java Client      | Task         | New         | Normal   | src/main/resources appears to have config for log4j through commons-logging but neither logging library is declared as a test scope dependency. |               | 2015-02-11 20:08 |                     |
| 4660 | Java Client      | Task         | New         | Normal   | src/main/java has XML files   | Robert Waltz  | 2015-02-11 20:08 | d1_common_java      |
| 2083 | Infrastructure   | Task         | New         | Normal   | Split the CN API into public and private sections   | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 2227 | Infrastructure   | Task         | New         | Normal   | Specify valid mimetypes for responses   | Dave Vieglais | 2014-10-02 17:21 | Documentation       |
| 3905 | Infrastructure   | Task         | In Progress | Normal   | Sort out shell logins for splunk system   | Bruce Wilson  | 2013-08-23 13:27 | Support Operations  |
| 7466 | Infrastructure   | Task         | In Progress | Normal   | Some objects not accessible on the CN via REST API  | Chris Jones   | 2015-11-05 16:11 | Metacat             |
| 8842 | Infrastructure   | Story        | New         | Normal   | Some exceptions in Metacat  |               | 2019-09-19 17:53 |                     |
| 8841 | Infrastructure   | Story        | New         | Normal   | Solr Index processor don't parse the attributes on the otherEntity on an EML object   | Jing Tao      | 2019-09-10 22:41 | d1_indexer          |
| 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 |
| 7682 | Log Reporting    | Task         | New         | Normal   | Sluggish Purging Read Event Cache   |               | 2016-03-17 15:02 | d1_log_aggregation  |
| 1762 | Infrastructure   | Task         | New         | Normal   | Sketch CN components and associations   | Dave Vieglais | 2014-10-02 17:40 |                     |
| 4296 | Member Nodes     | MNDeployment | New         | Normal   | Sierra Nevada Global Change Observatory Member Node   | Laura Moyers  | 2017-01-30 17:01 |                     |

| #    | Project          | Tracker      | Status      | Priority | Subject  | Assignee      | Updated          | Category                      |
|------|------------------|--------------|-------------|----------|--|---------------|------------------|-------------------------------|
| 6067 | Infrastructure   | Decision     | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?   | Robert Waltz  | 2014-08-22 03:58 | Environment.Development       |
| 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             |
| 8776 | CN REST          | Task         | New         | Normal   | Set valid replica status to completed  | Chris Jones   | 2019-03-12 15:57 | d1_replication_auditor        |
| 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                 |
| 6399 | Infrastructure   | Task         | New         | Normal   | set up release practice for the MNWebTester .war   | Rob Nahf      | 2014-10-01 20:34 | MNWebChecker                  |
| 2810 | Infrastructure   | Task         | New         | Normal   | setReplicationStatus() example rwt state transition is incorrect   | Dave Vieglais | 2014-10-02 17:21 | Documentation                 |
| 8828 | Member Nodes     | MNDeployment | In Review   | Normal   | SESAR  |               | 2019-08-01 16:09 |                               |
| 8845 | Member Nodes     | Bug          | New         | Normal   | Server is returning a 500 error.   |               | 2019-10-08 15:20 |                               |
| 8844 | Member Nodes     | Bug          | New         | Normal   | Server certificate is expired  |               | 2019-10-08 18:27 |                               |
| 8843 | Member Nodes     | Bug          | New         | Normal   | Server certificate is expired  |               | 2019-10-08 15:14 |                               |
| 7123 | Python Libraries | Task         | New         | Normal   | Send Authorization header carrying authentication token  | Roger Dahl    | 2016-04-21 22:37 | d1_libclient_python           |
| 8554 | Member Nodes     | MNDeployment | New         | Normal   | SEDAC - NASA Socioeconomic Data and Applications Center  |               | 2018-04-17 20:05 |                               |
| 7570 | Infrastructure   | Bug          | In Progress | Normal   | Search UI requests cause Out of Memory Error   | Jing Tao      | 2017-04-26 21:01 | d1_indexer                    |
| 7498 | Search UI        | Task         | In Progress | Normal   | Search UI deployments need to be automated   | Chris Jones   | 2015-11-21 00:36 | MetacatUI                     |
| 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                    |
| 8563 | Member Nodes     | MNDeployment | New         | Normal   | Scripps Institute of Oceanography Explorer   |               | 2018-04-18 16:40 |                               |
| 3260 | Member Nodes     | Task         | New         | Normal   | Scope out the implementation of a CitSci.org MN  | Bruce Wilson  | 2012-09-20 20:51 |                               |
| 7910 | Infrastructure   | Task         | New         | Normal   | schema validation behavior   | Rob Nahf      | 2018-01-18 02:41 | d1_common_java                |
| 8498 | Member Nodes     | Task         | In Progress | Normal   | SANParks metacat not responding to harvest requests  | Matthew Jones | 2019-04-15 18:09 |                               |
| 7712 | Infrastructure   | Story        | New         | Normal   | Sanparks fails during LogAggregation   | Laura Moyers  | 2016-04-06 16:43 | Environment.Production        |
| 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                    |
| 3332 | Infrastructure   | Task         | In Progress | Normal   | Revise use cases and add sample code   | Dave Vieglais | 2014-09-24 18:27 | Documentation                 |
| 3891 | Infrastructure   | Task         | New         | Normal   | review vulnerability to BREACH attacks   | Dave Vieglais | 2013-08-07 15:01 | Authentication, Authorization |
| 8308 | Infrastructure   | Task         | New         | Normal   | Review use of /node/subject in the node documents  |               | 2018-02-06 20:05 |                               |
| 8505 | Infrastructure   | Task         | New         | Normal   | Review solr terms for coverage of data citation elements   | Monica Ihli   | 2018-03-19 21:57 |                               |
| 3901 | Infrastructure   | Task         | New         | Normal   | Review Mozilla Persona as an alternative for identity management   | Dave Vieglais | 2013-08-09 11:57 | Documentation                 |
| 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                |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|----------------|--------------|-------------|----------|---|---------------|------------------|------------------------|
| 8230 | Infrastructure | Task         | New         | Normal   | review bouncy castle version  | Rob Nahf      | 2018-03-02 21:48 | d1_libclient_java      |
| 8206 | Infrastructure | Task         | New         | Normal   | Review and adjust memory allocation to Solr and zookeeper                                 |               | 2017-10-24 16:03 |                        |
| 8207 | Infrastructure | Story        | New         | Normal   | review and adjust memory allocated to d1-processing                                       |               | 2018-01-09 19:10 |                        |
| 8208 | Infrastructure | Story        | New         | Normal   | Review and adjust memory allocated to d1-index-task-generator and d1-index-task-processor |               | 2018-01-09 19:10 |                        |
| 3774 | Member Nodes   | Task         | New         | Normal   | return NotFound exceptions for /meta and /object calls using "near miss" identifiers      | Ryan Scherle  | 2014-03-14 18:22 |                        |
| 7940 | Infrastructure | Story        | New         | Normal   | Retrieval of system metadata is too slow  | Robert Waltz  | 2018-01-09 19:10 | d1_cn_service          |
| 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      |
| 7312 | Java Client    | Feature      | New         | Normal   | Restart connection manager  |               | 2015-08-24 17:24 | d1_libclient_java      |
| 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             |
| 3720 | Infrastructure | Story        | New         | Normal   | resource maps should be validated   | Dave Vieglais | 2018-01-17 20:17 | Documentation          |
| 8093 | Infrastructure | Bug          | New         | Normal   | resource map index processing is inefficient (2sec / referenced object)                   | Rob Nahf      | 2017-05-10 20:00 | d1_indexer             |
| 6369 | Java Client    | Feature      | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources                  | Rob Nahf      | 2015-02-11 20:56 | d1_libclient_java      |
| 6394 | Infrastructure | Task         | New         | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development         | Chris Jones   | 2014-09-18 18:39 | Support Operations     |
| 7140 | Python GMN     | Task         | In Review   | Normal   | Resolve sids to pids  | Dave Vieglais | 2016-03-25 01:27 |                        |
| 5449 | Member Nodes   | Task         | In Progress | Normal   | Resolve resource map issues for LTER-Europe   | Chris Jones   | 2014-06-20 17:59 |                        |
| 7842 | Member Nodes   | MNDeployment | Operational | Normal   | Research Workspace  | Roger Dahl    | 2018-08-14 17:05 |                        |
| 8729 | Member Nodes   | Task         | New         | Normal   | Requirements Analysis   |               | 2018-10-11 17:24 |                        |
| 8830 | Member Nodes   | Task         | New         | Normal   | Requirements Analysis   | John Evans    | 2019-08-06 14:44 |                        |
| 8746 | Infrastructure | Task         | New         | Normal   | Require email address from user when logging in via ORCID                                 |               | 2018-11-16 05:57 |                        |
| 8162 | Infrastructure | Story        | New         | Normal   | Replication tasks can contain stale potential target nodes                                | Rob Nahf      | 2018-03-02 21:47 | 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         |
| 8639 | Infrastructure | Story        | New         | Normal   | Replication performance is too slow to service demand                                     | Chris Jones   | 2018-07-04 11:18 | d1_replication         |
| 3172 | Member Nodes   | MNDeployment | Operational | Normal   | Replication instance at UNM   | Dave Vieglais | 2018-08-31 15:22 |                        |
| 3530 | Member Nodes   | MNDeployment | Operational | Normal   | Replication instance at UCSB  | Dave Vieglais | 2018-08-31 15:22 |                        |
| 3529 | Member Nodes   | MNDeployment | Operational | Normal   | Replication instance at ORC   | Dave Vieglais | 2018-08-31 15:21 |                        |
| 8640 | Infrastructure | Bug          | New         | Normal   | Replication includes "down" nodes as replication targets                                  | Chris Jones   | 2018-07-04 11:29 | d1_replication         |
| 8582 | CN REST        | Story        | New         | Normal   | Replica Auditing service is throwing errors   | Jing Tao      | 2019-01-14 16:40 | d1_replication_auditor |
| 4711 | Infrastructure | Task         | New         | Normal   | replace SSL Certs for cn-unm-1.dataone.org  |               | 2014-09-24 18:14 |                        |

| #    | Project               | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|-----------------------|---------|-------------|----------|---|---------------|------------------|------------------------|
| 4712 | Infrastructure        | Task    | New         | Normal   | replace SSL cert for cn-ucsb-1.dataone.org  |               | 2014-09-24 18:14 |                        |
| 4713 | Infrastructure        | Task    | New         | Normal   | replace SSL cert fo cn-orc-1.dataone.org  |               | 2014-09-24 18:14 |                        |
| 8793 | Infrastructure        | Task    | New         | Normal   | Replace ONEMercury installation   |               | 2019-05-01 14:04 |                        |
| 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       |
| 4719 | Infrastructure        | Task    | In Progress | Normal   | Replace CN client certificate   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |
| 6760 | Infrastructure        | Task    | New         | Normal   | rename mnDemo9 node   |               | 2015-01-14 00:44 |                        |
| 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         |
| 8379 | Infrastructure        | Bug     | New         | Normal   | remove or improve AuthLdap.getGroups logging statement  | Jing Tao      | 2018-02-27 16:51 | Metacat                |
| 8808 | Infrastructure        | Task    | New         | Normal   | Remove old versions of Tomcat   |               | 2019-05-21 12:49 |                        |
| 8807 | Infrastructure        | Task    | New         | Normal   | remove old versions of postgres   |               | 2019-05-21 12:47 |                        |
| 6056 | Infrastructure        | Story   | New         | Normal   | remove log aggregation processing from d1-processing Linux service  | Dave Vieglais | 2018-01-17 19:55 | d1_log_aggregation     |
| 8105 | Infrastructure        | Task    | New         | Normal   | Remove dataone-mercury from production CNs  | Jing Tao      | 2018-03-02 22:17 | d1_mercury             |
| 8576 | Search UI             | Task    | New         | Normal   | Remove Code Changes Specific to Appearance of Data Citation for PANGAEA formatID  | Monica Ihli   | 2018-04-30 13:29 |                        |
| 6071 | Infrastructure        | Story   | In Progress | Normal   | Release Notes and documentation   | Dave Vieglais | 2018-01-17 19:53 | Documentation          |
| 3114 | Infrastructure        | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2   | Andrew Pippin | 2012-08-02 17:27 |                        |
| 3864 | Infrastructure        | Task    | In Progress | Normal   | Release CCI 1.2.1 Features  | Chris Jones   | 2013-09-12 20:04 | Environment.Production |
| 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             |
| 4664 | Java Client           | Task    | New         | Normal   | Related to above: Test classes bring in org.apache.log4j.Logger but it is not declared as a test dependency                 |               | 2015-02-11 20:08 |                        |
| 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             |
| 6514 | Infrastructure        | Task    | New         | Normal   | Reharvest all Records to build initial cache  | Robert Waltz  | 2015-01-13 15:56 | d1_log_aggregation     |
| 6372 | Infrastructure        | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests  | Rob Nahf      | 2016-06-22 16:53 | d1_replication         |
| 7532 | DUG                   | Task    | New         | Normal   | Registration Form for 2016.   |               | 2015-12-08 21:30 |                        |
| 8354 | Testing MN Management | Task    | New         | Normal   | Register in Production  |               | 2018-02-08 15:28 |                        |
| 4670 | Java Client           | Task    | New         | Normal   | - Regarding the style: The types are fully mutable with no field validations or constraints.                                |               | 2015-02-11 20:08 |                        |
| 4669 | Java Client           | Task    | New         | Normal   | - Regarding the style: A good addition to the types would be some builders, static factories and constructors as applicable |               | 2015-02-11 20:08 |                        |
| 4716 | Infrastructure        | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD   | Chris Jones   | 2014-09-24 18:14 | Environment.Production |

| #    | Project        | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category                      |
|------|----------------|--------------|-------------|----------|---|---------------|------------------|-------------------------------|
| 4715 | Infrastructure | Task         | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN  | Chris Jones   | 2014-09-24 18:14 |                               |
| 4714 | Infrastructure | Task         | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI   | Chris Jones   | 2014-09-24 18:14 | Environment.Production        |
| 4717 | Infrastructure | Task         | New         | Normal   | refresh client certificate for mn-unm-2.dataone.org   |               | 2014-09-24 18:14 |                               |
| 1660 | Infrastructure | Task         | New         | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs  |               | 2011-06-28 21:35 |                               |
| 6375 | Infrastructure | Task         | In Progress | Normal   | Refactor out dependency on a working CN   | Rob Nahf      | 2016-06-22 16:53 | d1_replication                |
| 1234 | Infrastructure | Task         | New         | Normal   | Record performance metrics for member nodes   |               | 2011-01-15 02:52 |                               |
| 8750 | Member Nodes   | Task         | In Progress | Normal   | reconnect eLTER MN to DataONE   | Roger Dahl    | 2018-11-28 16:59 |                               |
| 2548 | Infrastructure | Story        | New         | Normal   | recasting untrusted certs to public poses accessibility inconsistency to users                        |               | 2018-01-17 20:36 | Authentication, Authorization |
| 6789 | Java Client    | Bug          | In Progress | Normal   | Read API calls to the CN are hanging  | Rob Nahf      | 2016-05-07 07:59 |                               |
| 6927 | Member Nodes   | Task         | In Progress | Normal   | R2R: Register any new object formats in all environments  | Roger Dahl    | 2017-01-19 01:16 |                               |
| 7900 | Member Nodes   | Task         | New         | Normal   | R2R: modify searchUI to accommodate cruise path display for single data package                       | Lauren Walker | 2016-10-04 23:43 |                               |
| 7899 | Member Nodes   | Task         | New         | Normal   | R2R: modify searchUI to accommodate composite data density with cruise paths                          | Lauren Walker | 2016-10-05 03:51 |                               |
| 7531 | DUG            | Task         | New         | Normal   | Quote request for EAB meeting   |               | 2015-12-08 20:13 |                               |
| 6755 | Python CLI     | Bug          | New         | Normal   | python CLI install instructions fail  | Roger Dahl    | 2018-01-09 02:44 |                               |
| 7291 | Python GMN     | Bug          | New         | Normal   | pypi distribution does not have all files   | Roger Dahl    | 2016-04-14 14:57 |                               |
| 7744 | Infrastructure | Task         | New         | Normal   | put together initial design   |               | 2016-06-22 17:19 |                               |
| 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             |
| 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                   |
| 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                     |
| 7224 | Infrastructure | Story        | New         | Normal   | push synchronization request status indicator: synchronizeStatus method option                        |               | 2018-01-17 19:38 | Architecture Design           |
| 8562 | Member Nodes   | MNDeployment | New         | Normal   | PSD Climate and Weather Data  |               | 2018-04-18 16:39 |                               |
| 8583 | DataONE API    | Feature      | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates                                  | Dave Vieglais | 2018-05-02 03:18 |                               |
| 6484 | MN Dashboard   | Feature      | New         | Normal   | Provide paging/scrolling on MN table  | Skye Roseboom | 2015-04-29 22:47 |                               |
| 5531 | Infrastructure | Task         | Testing     | Normal   | Provide overview of replication process for MN implementors   | Matthew Jones | 2014-10-02 17:21 | Documentation                 |
| 8079 | Infrastructure | Task         | In Progress | Normal   | prototype durable task processing for d1_index_processor  | Rob Nahf      | 2017-04-26 05:45 | d1_indexer                    |
| 8189 | Infrastructure | Decision     | New         | Normal   | Proposal to change the roles mapped to the origin Solr field for ISO docs                             | Bryce Mecum   | 2017-12-20 01:28 |                               |

| #    | Project               | Tracker      | Status      | Priority | Subject  | Assignee        | Updated          | Category             |
|------|-----------------------|--------------|-------------|----------|--|-----------------|------------------|----------------------|
| 7489 | CN REST               | Bug          | New         | Normal   | processing daemon common-logging misconfigured   | Robert Waltz    | 2016-01-21 17:18 | d1_cn_process_daemon |
| 8833 | Member Nodes          | Story        | New         | Normal   | Problems utilizing pyshacl within SlenderNodes   | John Evans      | 2019-08-09 18:20 |                      |
| 8561 | Member Nodes          | MNDeployment | New         | Normal   | PRISM Climate Data   |                 | 2018-04-18 16:37 |                      |
| 2593 | Infrastructure        | Task         | New         | Normal   | Prepare science data and metadata content for the workshop                                     | Dave Vieglais   | 2012-04-09 22:52 |                      |
| 2594 | Infrastructure        | Task         | New         | Normal   | Prepare a Mercury MN overview for the workshop   | Giri Palanisamy | 2012-04-09 22:59 | mn.Mercury           |
| 8560 | Member Nodes          | MNDeployment | New         | Normal   | PPS - Precipitation Processing System  |                 | 2018-04-18 16:36 |                      |
| 3748 | Member Nodes          | MNDeployment | Operational | Normal   | PPBIO Member Node  | Jing Tao        | 2018-08-31 15:20 |                      |
| 4211 | Infrastructure        | Bug          | New         | Normal   | Potential race condition between archive and replication                                       | Chris Jones     | 2014-09-25 17:19 | d1_cn_service        |
| 7868 | Infrastructure        | Bug          | New         | Normal   | potential gaps between log harvests  | Rob Nahf        | 2017-03-23 15:40 | d1_log_aggregation   |
| 1873 | Infrastructure        | Feature      | New         | Normal   | Postprocessing tool for log reporting  |                 | 2014-10-02 17:06 | d1_log_aggregation   |
| 1332 | Infrastructure        | Task         | New         | Normal   | Possibly remove MN_crud.update()   |                 | 2011-02-09 22:50 |                      |
| 1331 | Infrastructure        | Task         | New         | Normal   | Possibly combine MN_crud.create() and MN_crud.update()   |                 | 2011-02-09 22:44 |                      |
| 8123 | Infrastructure        | Bug          | Testing     | Normal   | portal hazelcast client should load config directly from xml                                   | Rob Nahf        | 2017-12-26 18:20 | d1_portal_servlet    |
| 4657 | Java Client           | Task         | New         | Normal   | Pom versions are mixed between properties and inline (e.g. <version>1.8.4</version>)           | Rob Nahf        | 2015-02-11 20:08 |                      |
| 4673 | Java Client           | Task         | New         | Normal   | Pom has warnings:  |                 | 2015-02-11 20:08 |                      |
| 4655 | Java Client           | Task         | New         | Normal   | Pom appears to bring in plugins as project dependencies (maven-jar-plugin, maven-clean-plugin) |                 | 2015-02-11 20:08 |                      |
| 8559 | Member Nodes          | MNDeployment | New         | Normal   | PMM - Precipitation Measurement Missions   |                 | 2018-04-18 16:35 |                      |
| 8730 | Member Nodes          | Task         | New         | Normal   | Plan the Implementation (NCAR)   |                 | 2018-10-11 17:21 |                      |
| 8343 | Testing MN Management | Story        | New         | Normal   | Planning   |                 | 2018-02-08 15:28 |                      |
| 3109 | Infrastructure        | Task         | In Progress | Normal   | PISCO/LTER revision history with SBC documents   | Ben Leinfelder  | 2012-07-31 01:34 |                      |
| 3924 | Infrastructure        | Task         | New         | Normal   | Pids in ObjectList should be the same as pids in the systemMetadata Map                        | Rob Nahf        | 2014-10-01 22:04 | MNWebChecker         |
| 8557 | Member Nodes          | MNDeployment | New         | Normal   | Physical Oceanography Distributed Active Archive Center  |                 | 2018-04-18 16:32 |                      |
| 3635 | Infrastructure        | Task         | New         | Normal   | Phase two Morpho implementation  | Ben Leinfelder  | 2013-03-25 22:49 |                      |
| 3180 | Member Nodes          | MNDeployment | Deferred    | Normal   | PFRP - Pelagic Fisheries Research Program  | Matthew Jones   | 2014-05-29 19:25 |                      |
| 3203 | Member Nodes          | MNDeployment | Deferred    | Normal   | PELD member node   | Matthew Jones   | 2016-06-17 19:32 |                      |
| 8558 | Member Nodes          | MNDeployment | New         | Normal   | PDC - Polar Data Catalogue   |                 | 2018-04-18 16:33 |                      |
| 7850 | Infrastructure        | Task         | New         | Normal   | Passing SID to MNRead.systemMetadataChanged()  | Dave Vieglais   | 2016-07-20 20:00 |                      |
| 8574 | Search UI             | Story        | New         | Normal   | PANGAEA Temporary Fix: SID only in Data Citation   | Bryce Mecum     | 2018-05-01 01:45 |                      |
| 8673 | Member Nodes          | Task         | New         | Normal   | Pangaea- GMN upgrade from 2.4.0 to 3.0.4   | Roger Dahl      | 2018-09-04 18:48 |                      |
| 7895 | Member Nodes          | MNDeployment | Operational | Normal   | Pangaea  | Monica Ihli     | 2018-12-04 14:58 |                      |

| #    | Project        | Tracker      | Status      | Priority | Subject  | Assignee      | Updated          | Category               |
|------|----------------|--------------|-------------|----------|--|---------------|------------------|------------------------|
| 8378 | Member Nodes   | Task         | In Progress | Normal   | (OTS) replicate data   | Amy Forrester | 2018-07-31 18:49 |                        |
| 6674 | Member Nodes   | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center  | Jing Tao      | 2019-06-10 13:03 |                        |
| 7611 | Infrastructure | Story        | New         | Normal   | ORNLDAAC fails during log aggregation  | Laura Moyers  | 2016-01-26 16:39 | Environment.Production |
| 3844 | Member Nodes   | MNDeployment | New         | Normal   | Oregon Explorer program at OSU   | Laura Moyers  | 2015-11-19 17:22 |                        |
| 4052 | Infrastructure | Story        | In Progress | Normal   | OPeNDAP MN Story   |               | 2013-10-06 20:07 | mn.OPeNDAP             |
| 6069 | Infrastructure | Story        | New         | Normal   | open ask.dataone.org sign-in to community  | Dave Vieglais | 2014-10-01 20:39 | Documentation          |
| 7553 | Member Nodes   | MNDeployment | New         | Normal   | OOI - Ocean Observatories Initiative   | Laura Moyers  | 2018-01-25 17:51 |                        |
| 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         |
| 7839 | DataONE API    | Task         | New         | Normal   | Online documentation places synchronize in CNRead api  | Dave Vieglais | 2016-12-21 09:04 | api_documentation      |
| 8685 | Member Nodes   | Task         | New         | Normal   | ONEShare - GMN upgrade 2.4.2 to 3.0.4  | Roger Dahl    | 2018-08-23 17:18 |                        |
| 7640 | Infrastructure | Story        | New         | Normal   | ONEShare failing with ServiceFailure   | Laura Moyers  | 2016-02-12 16:39 | Environment.Production |
| 3559 | Member Nodes   | MNDeployment | Operational | Normal   | ONEShare   | Amy Forrester | 2019-09-03 16:40 |                        |
| 3099 | Infrastructure | Decision     | New         | Normal   | ONE-Mercury display of data set citation   | Dave Vieglais | 2012-07-23 21:24 | d1_mercury             |
| 3067 | Infrastructure | Task         | New         | Normal   | Old DAAC PIDs to archive   | Dave Vieglais | 2013-01-02 14:14 | mn.Mercury             |
| 7858 | Infrastructure | Bug          | New         | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package                             |               | 2017-03-28 16:20 | d1_indexer             |
| 6041 | Infrastructure | Bug          | New         | Normal   | obsoletedBy field serialized with newline after pid  | Robert Waltz  | 2014-09-25 17:36 |                        |
| 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             |
| 6759 | DataONE API    | Story        | New         | Normal   | ObjectFormat Management  | Dave Vieglais | 2015-01-19 23:17 |                        |
| 8821 | Infrastructure | Bug          | New         | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN   | Jing Tao      | 2019-06-19 00:06 |                        |
| 8556 | Member Nodes   | MNDeployment | New         | Normal   | OAFIux (WHOI)  |               | 2018-04-18 16:30 |                        |
| 5457 | Member Nodes   | MNDeployment | New         | Normal   | NSIDC- National Snow and Ice Data Center   | Bruce Wilson  | 2018-04-10 19:12 |                        |
| 6957 | Member Nodes   | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center   | Amy Forrester | 2019-10-08 18:39 |                        |
| 8676 | Member Nodes   | Task         | New         | Normal   | NRDC -GMN upgrade 2.4.2 to 3.0.4   | Roger Dahl    | 2019-03-05 20:43 |                        |
| 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 |
| 8735 | Infrastructure | Bug          | In Progress | Normal   | NPE in IndexTask causes indexing job to fail   | Rob Nahf      | 2018-10-18 18:33 | d1_indexer             |
| 4668 | Java Client    | Task         | New         | Normal   | - No types implement toString  |               | 2015-02-11 20:08 |                        |
| 4192 | Infrastructure | Task         | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition   | Dave Vieglais | 2014-09-24 18:28 | Management             |
| 7229 | Python GMN     | Task         | New         | Normal   | non-standard server certificate locations  | Roger Dahl    | 2016-04-21 22:37 |                        |
| 7440 | CN REST        | Bug          | New         | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown." |               | 2015-10-20 14:46 |                        |

| #    | Project               | Tracker      | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|-----------------------|--------------|-------------|----------|--|----------------|------------------|------------------------|
| 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     |
| 3598 | Infrastructure        | Task         | New         | Normal   | Node document subject description is a bit unclear   | Dave Vieglais  | 2014-10-02 17:21 | Documentation          |
| 6401 | Member Nodes          | MNDeployment | Operational | Normal   | NM EPSCoR  | Roger Dahl     | 2019-03-05 18:13 |                        |
| 3239 | Member Nodes          | MNDeployment | New         | Normal   | "Nitrous Oxide emissions Network" member node  |                | 2018-04-17 17:13 |                        |
| 8555 | Member Nodes          | MNDeployment | New         | Normal   | NGEE Arctic  |                | 2018-04-18 16:27 |                        |
| 2827 | Infrastructure        | Task         | In Progress | Normal   | nesting groups requires schema change*   | Dave Vieglais  | 2015-06-25 22:00 | d1_schemas             |
| 8535 | Member Nodes          | Story        | In Progress | Normal   | Neotoma: Story: Discovery & Planning   | Amy Forrester  | 2018-04-09 21:14 |                        |
| 8259 | Member Nodes          | MNDeployment | New         | Normal   | Neotoma Paleocology Database   | Amy Forrester  | 2018-04-09 21:14 |                        |
| 6708 | Member Nodes          | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network   | Bruce Wilson   | 2019-06-06 19:52 |                        |
| 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             |
| 7810 | Infrastructure        | Story        | New         | Normal   | Need to avoid buffer overflow condition during HTTP client TLS renegotiation   | Rob Nahf       | 2018-01-17 19:09 |                        |
| 1671 | Infrastructure        | Task         | New         | Normal   | Need folder for DUG, accessible by DUG members   | Matthew Jones  | 2011-07-12 12:09 | Support Operations     |
| 3142 | Infrastructure        | Task         | New         | Normal   | Need a new local search mechanism  |                | 2013-03-02 05:15 |                        |
| 3228 | Member Nodes          | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information  | Dave Vieglais  | 2019-07-08 16:28 |                        |
| 8681 | Member Nodes          | Task         | New         | Normal   | NCEI - install new GMN   | Roger Dahl     | 2019-03-05 18:20 |                        |
| 8017 | Member Nodes          | Support      | New         | Normal   | NCEI - Implement GMN for replicating Arctic Data Center Data   | Roger Dahl     | 2018-05-16 14:32 |                        |
| 8725 | Member Nodes          | MNDeployment | In Review   | Normal   | NCAR (National Center for Atmospheric Research)  |                | 2018-10-08 13:33 |                        |
| 8727 | Member Nodes          | Story        | In Progress | Normal   | NCAR Discovery & Assessment  |                | 2019-01-22 18:34 |                        |
| 3925 | Infrastructure        | Task         | New         | Normal   | navigate through the ResourceMap confirm existence of identifiers on the MN  | Rob Nahf       | 2014-10-01 22:04 | MNWebChecker           |
| 8539 | Member Nodes          | MNDeployment | New         | Normal   | NASA Distributed Active Archive Center at National Snow & Ice Data Center (NASA DAAC)                                    |                | 2018-04-10 19:19 |                        |
| 8069 | Infrastructure        | Bug          | New         | Normal   | Name from ORCID incorrectly parsed   | Ben Leinfelder | 2017-04-12 20:28 | d1_portal_servlet      |
| 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     |
| 4672 | Java Client           | Task         | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:  |                | 2015-02-11 20:08 |                        |
| 8553 | Member Nodes          | MNDeployment | New         | Normal   | MVCO - Martha's Vineyard Coastal Observatory   |                | 2018-04-17 20:03 |                        |
| 8355 | Testing MN Management | Task         | New         | Normal   | Mutual Acceptance  |                | 2018-02-08 15:28 |                        |
| 8046 | Infrastructure        | Bug          | New         | Normal   | Mutable Member Nodes orphan unhosted objects   |                | 2017-03-15 17:40 | Architecture Design    |
| 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 |



| #    | Project               | Tracker      | Status      | Priority | Subject  | Assignee       | Updated          | Category           |
|------|-----------------------|--------------|-------------|----------|--|----------------|------------------|--------------------|
| 5321 | Infrastructure        | Bug          | New         | Normal   | Multiple Hazelcast Client connections to same storage instance   | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon  |
| 8668 | Member Nodes          | Task         | New         | Normal   | MPC- upgrade GMN version 1.2.10 to 3.0.4   | Roger Dahl     | 2019-03-05 20:35 |                    |
| 8352 | Testing MN Management | Story        | New         | Normal   | Move to Production   |                | 2018-02-08 15:28 |                    |
| 6478 | Infrastructure        | Task         | New         | Normal   | move mncheck VM to a different VMhost  | Dave Vieglais  | 2014-10-01 20:34 | MNWebChecker       |
| 3374 | Member Nodes          | Task         | New         | Normal   | Move kepler-library.org Metacat to new server  | Ben Leinfelder | 2012-11-08 00:31 |                    |
| 3686 | Member Nodes          | MNDeployment | Deferred    | Normal   | Movebank for Animal Tracking Data  | Laura Moyers   | 2013-12-05 19:31 |                    |
| 3082 | Infrastructure        | Task         | New         | Normal   | Morpho should not rely on CN for any critical features   |                | 2013-03-02 05:26 | Morpho             |
| 3687 | Member Nodes          | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems   | Amy Forrester  | 2019-10-08 15:29 |                    |
| 7838 | DataONE API           | Task         | New         | Normal   | Modify the obsolescence chain process to accommodate the use case where both old and new PIDs are present on the CN for v1 MNs                                       | Dave Vieglais  | 2016-06-29 02:20 |                    |
| 2896 | Infrastructure        | Task         | New         | Normal   | Modify the admin DN in createObjectformat script per environment   | Chris Jones    | 2012-10-05 14:23 | d1_cn_buildout     |
| 1555 | Java Client           | Task         | New         | Normal   | Modify TestSimpleMultipartEntity for use with MockHttpClient   | Rob Nahf       | 2015-02-11 19:49 | d1_common_java     |
| 7139 | Python GMN            | Task         | In Review   | Normal   | modify postgres schema   | Dave Vieglais  | 2016-03-25 01:27 |                    |
| 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        |
| 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       |
| 8380 | Infrastructure        | Bug          | New         | Normal   | MN.update method doesn't check if the authoritativeMN is null on the system metadata of the new object   | Jing Tao       | 2018-03-02 21:53 | Metacat            |
| 7666 | Infrastructure        | Bug          | New         | Normal   | mnTestMPC repeating attempts to set replica status to FAILED   | Laura Moyers   | 2016-02-25 21:44 | Environment.Stage1 |
| 2809 | Infrastructure        | Task         | New         | Normal   | MNStorage.update() - Make behavior explicit  | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 2508 | Infrastructure        | Task         | New         | Normal   | MNStorage.delete(), MNStorage.update() - Action must be denied for replicas.   | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 2826 | Infrastructure        | Task         | New         | Normal   | MNStorage.archive() - Permissions  | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 4051 | Infrastructure        | Feature      | New         | Normal   | MN Stack supporting Fedora Commons   |                | 2014-10-02 21:39 | mn.Fedora          |
| 2142 | Infrastructure        | Task         | New         | Normal   | MNReplication.getReplica() - include PID in signature  | 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      |
| 4723 | Infrastructure        | Task         | New         | Normal   | MN recognition of CN   | Dave Vieglais  | 2014-10-02 17:21 |                    |
| 6945 | DataONE API           | Feature      | New         | Normal   | MNRead.get uses the pid for the download filename, which provides a less than optimal user experience when the pid is an opaque identifier such as DOIs, uuids, etc. |                | 2015-03-23 23:37 |                    |

| #    | Project               | Tracker      | Status      | Priority | Subject   | Assignee       | Updated          | Category           |
|------|-----------------------|--------------|-------------|----------|---|----------------|------------------|--------------------|
| 2793 | Infrastructure        | Task         | New         | Normal   | MNRead.describe() - Document special requirement of returning D1 exceptions in header     | Dave Vieglais  | 2014-10-02 17:21 | Documentation      |
| 3700 | Infrastructure        | Bug          | New         | Normal   | MNodeService.replicate will not request new object if existing on MN                      | Chris Jones    | 2015-01-06 19:43 | Metacat            |
| 3467 | Infrastructure        | Task         | New         | Normal   | MN.listObject should use auto-incremented key   | Ben Leinfelder | 2013-01-08 18:31 | Metacat            |
| 3907 | Infrastructure        | Task         | New         | Normal   | MN Integration Test - verify system metadata returned matches expected                    | Rob Nahf       | 2013-08-09 18:48 | d1_integration     |
| 7279 | Infrastructure        | Task         | New         | Normal   | MN implementation documentation - need document management solution                       | Dave Vieglais  | 2015-07-28 22:24 | Documentation      |
| 1412 | CN REST               | Task         | New         | Normal   | MN health check performed by CN   | Robert Waltz   | 2015-01-19 23:06 |                    |
| 8232 | Member Nodes          | Task         | New         | Normal   | MN Dashboard/Website Deployment Workflow Documentation                                    | Dustin Allen   | 2018-01-08 23:30 |                    |
| 8344 | Testing MN Management | Task         | New         | Normal   | MN Communications   |                | 2018-02-22 19:47 |                    |
| 1808 | Infrastructure        | Task         | New         | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()                                      |                | 2011-10-04 16:08 |                    |
| 3980 | Member Nodes          | Task         | New         | Normal   | Missing content   | Chris Jones    | 2013-09-25 21:48 |                    |
| 3708 | Member Nodes          | MNDeployment | Operational | Normal   | Minnesota Population Center   | Laura Moyers   | 2018-08-06 19:43 |                    |
| 6796 | Python Libraries      | Story        | New         | Normal   | Migrate to Python v3  | Roger Dahl     | 2018-01-17 19:43 |                    |
| 8366 | Infrastructure        | Story        | New         | Normal   | Migrate jenkins continuous integration from UNM to UCSB                                   | Dave Vieglais  | 2019-01-22 19:26 | Support Operations |
| 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     |
| 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     |
| 8772 | Member Nodes          | MNDeployment | Operational | Normal   | metaGRIL  | Jing Tao       | 2019-10-08 17:16 |                    |
| 8348 | Testing MN Management | Task         | New         | Normal   | Metadata Validation   |                | 2018-02-08 15:28 |                    |
| 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 |
| 3626 | Infrastructure        | Task         | New         | Normal   | Metacat should use correct object format for ESRI profile metadata                        | Ben Leinfelder | 2013-02-27 23:56 | Metacat            |
| 8224 | Infrastructure        | Task         | New         | Normal   | metacat not promoting node token privs for solr   | Jing Tao       | 2017-12-04 19:33 | Metacat            |
| 3047 | Infrastructure        | Bug          | In Progress | Normal   | Metacat allows whitespace in Identifiers  | Ben Leinfelder | 2018-11-13 21:44 |                    |
| 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         |
| 8811 | Infrastructure        | Task         | New         | Normal   | Merge 2.3.9 changes to trunk  | Jing Tao       | 2019-05-21 13:06 |                    |
| 8517 | Testing MN Management | Task         | New         | Normal   | meow: Register in Production  |                | 2018-03-22 20:45 |                    |
| 8518 | Testing MN Management | Task         | New         | Normal   | meow: Mutual Acceptance   |                | 2018-03-22 20:45 |                    |

| #    | Project               | Tracker      | Status      | Priority | Subject   | Assignee      | Updated          | Category               |
|------|-----------------------|--------------|-------------|----------|---|---------------|------------------|------------------------|
| 8515 | Testing MN Management | Story        | New         | Normal   | meow: Move to Production  |               | 2018-03-22 20:45 |                        |
| 8461 | Testing MN Management | MNDeployment | New         | Normal   | MEOW - Monitoring Ecosystems & Oceans in Wales  |               | 2018-03-22 20:45 |                        |
| 8516 | Testing MN Management | Task         | New         | Normal   | meow: Implement in Production   |               | 2018-03-22 20:45 |                        |
| 8519 | Testing MN Management | Task         | New         | Normal   | meow: Formal Announcement   |               | 2018-03-22 20:45 |                        |
| 6395 | Infrastructure        | Story        | In Progress | Normal   | Member Node testers are stuck when the MNWebTester hangs / crashes  | Rob Nahf      | 2018-01-17 19:51 | MNWebChecker           |
| 7605 | Infrastructure        | Story        | New         | Normal   | MemberNodes not authorizing CN to harvest log records   | Dave Vieglais | 2018-01-17 19:33 | Environment.Production |
| 7664 | Python GMN            | Bug          | New         | Normal   | manage.py register_node_with_dataone generates "nodeReplicationPolicy" XML fragment in node capabilities even when replication is false | Roger Dahl    | 2016-04-14 14:16 |                        |
| 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             |
| 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         |
| 8775 | Infrastructure        | Task         | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive   | Bryce Mecum   | 2019-03-11 23:35 |                        |
| 8073 | Python GMN            | Story        | New         | Normal   | Make sure unnecessary services are disabled   | Roger Dahl    | 2018-01-17 18:48 |                        |
| 3200 | Member Nodes          | Task         | New         | Normal   | Make initial contact with USGS-NWRC   | Mike Frame    | 2013-10-24 15:23 |                        |
| 3185 | Member Nodes          | Task         | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN  | Dave Vieglais | 2012-09-05 02:12 |                        |
| 1473 | Infrastructure        | Task         | New         | Normal   | Make default access policy explicit in Authz docs.  | Matthew Jones | 2014-10-01 20:47 |                        |
| 4136 | Infrastructure        | Task         | In Progress | Normal   | Make cosmetic changes to the distribution map   | Chris Jones   | 2014-03-31 17:41 | d1_dashboard           |
| 8853 | Infrastructure        | Story        | New         | Normal   | Make cn.resolve smarter   |               | 2019-11-15 16:50 |                        |
| 7924 | Member Nodes          | MNDeployment | New         | Normal   | LTER-Spain network  | Laura Moyers  | 2016-11-21 14:49 |                        |
| 3557 | Member Nodes          | MNDeployment | Operational | Normal   | LTER Network  | Roger Dahl    | 2018-09-25 17:17 |                        |
| 7607 | Infrastructure        | Task         | New         | Normal   | LTER_EUROPE refuses the production CN from harvesting log records   | Laura Moyers  | 2016-06-09 16:34 | Environment.Production |
| 7538 | Infrastructure        | Task         | New         | Normal   | look at nodeFactory in how it builds mock CNodes  | Rob Nahf      | 2015-12-10 17:03 | d1_libclient_java      |
| 7688 | Infrastructure        | Bug          | New         | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification   | Dave Vieglais | 2018-01-02 12:02 | 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     |
| 8603 | Infrastructure        | Bug          | New         | Normal   | log aggregation incorrectly assigning location information  | Dave Vieglais | 2018-06-07 20:52 | 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     |
| 1335 | Infrastructure        | Task         | New         | Normal   | Local caching of the d1 schema.   |               | 2011-02-09 22:56 |                        |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee      | Updated          | Category                |
|------|----------------|---------|-------------|----------|---|---------------|------------------|-------------------------|
| 2133 | Infrastructure | Task    | New         | Normal   | listObjects() datetime slicing                                |               | 2011-12-12 23:15 |                         |
| 7863 | DUG            | Task    | New         | Normal   | Link to the recordings  |               | 2016-08-09 20:40 |                         |
| 6624 | Infrastructure | Task    | New         | Normal   | link Node Identity arch. spec. to OperationDocs Node Reg page |               | 2014-11-21 20:29 | Documentation           |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs |               | 2010-10-21 14:55 |                         |
| 5739 | CN REST        | Bug     | New         | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core           | Robert Waltz  | 2015-01-19 23:05 |                         |
| 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     |
| 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      |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                | Laura Moyers  | 2013-11-03 21:43 |                         |
| 3108 | Infrastructure | Task    | New         | Normal   | lastHarvested date is always equal to the current time.       | Dave Vieglais | 2012-07-30 22:11 |                         |
| 8213 | Member Nodes   | Story   | New         | Normal   | KUBI node is not responding as a MN                           | Dave Vieglais | 2017-11-06 22:18 |                         |
| 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 |

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