

## Issues

| #    | Project      | Tracker      | Status      | Priority  | Subject   | Assignee        | Updated          | Category |
|------|--------------|--------------|-------------|-----------|---|-----------------|------------------|----------|
| 3180 | Member Nodes | MNDeployment | Deferred    | Normal    | PFRP - Pelagic Fisheries Research Program                 | Matthew Jones   | 2014-05-29 19:25 |          |
| 3191 | Member Nodes | MNDeployment | Deferred    | Normal    | UC Vertnet Member Node                                    | Dave Vieglais   | 2017-01-31 14:54 |          |
| 3203 | Member Nodes | MNDeployment | Deferred    | Normal    | PELD member node  | Matthew Jones   | 2016-06-17 19:32 |          |
| 3207 | Member Nodes | MNDeployment | Deferred    | Normal    | BIOTA - FAPESP MN   | Matthew Jones   | 2016-06-17 19:32 |          |
| 3209 | Member Nodes | MNDeployment | Deferred    | Normal    | Avian Knowledge Network/Cornell Laboratory of Ornithology | Ben Leinfelder  | 2016-06-17 19:31 |          |
| 3215 | Member Nodes | MNDeployment | Deferred    | Normal    | GEO BON member node                                       | Matthew Jones   | 2016-06-20 14:26 |          |
| 3217 | Member Nodes | MNDeployment | Deferred    | Normal    | EMBRAPA member node                                       | Matthew Jones   | 2016-06-17 19:31 |          |
| 3686 | Member Nodes | MNDeployment | Deferred    | Normal    | Movebank for Animal Tracking Data                         | Laura Moyers    | 2013-12-05 19:31 |          |
| 3689 | Member Nodes | MNDeployment | Deferred    | Normal    | University of South Carolina, Computer Science Department |                 | 2018-08-31 15:26 |          |
| 3964 | Member Nodes | MNDeployment | Deferred    | Normal    | EU BON Member Node  | Bruce Wilson    | 2016-10-24 20:49 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal    | Forest Research Institute Malaysia (FRIM)                 | Laura Moyers    | 2016-06-17 19:31 |          |
| 4115 | Member Nodes | MNDeployment | Deferred    | Normal    | UTK Institutional Repository                              |                 | 2018-04-17 17:32 |          |
| 5453 | Member Nodes | MNDeployment | Deferred    | Normal    | Dataverse   | Laura Moyers    | 2018-07-24 16:41 |          |
| 7048 | Member Nodes | MNDeployment | Deferred    | Low       | USGS Regional Climate Centers                             | Laura Moyers    | 2016-06-17 19:32 |          |
| 7757 | Member Nodes | MNDeployment | Deferred    | Normal    | GINA - Geographic Information Network of Alaska           | Roger Dahl      | 2018-08-31 15:22 |          |
| 7962 | Member Nodes | MNDeployment | Deferred    | Low       | Alaska EPSCoR   | Rebecca Koskela | 2018-04-13 18:28 |          |
| 3118 | Member Nodes | MNDeployment | Operational | Urgent    | Dryad Member Node   | Laura Moyers    | 2019-03-05 18:37 |          |
| 3172 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at UNM                               | Dave Vieglais   | 2018-08-31 15:22 |          |
| 3201 | Member Nodes | MNDeployment | Operational | Normal    | Taiwan Forestry Research Institute                        | Amy Forrester   | 2019-10-08 15:26 |          |
| 3213 | Member Nodes | MNDeployment | Operational | Normal    | University of Illinois, Chicago member node               | Jing Tao        | 2020-01-23 22:42 |          |
| 3221 | Member Nodes | MNDeployment | Operational | High      | EDAC member node  | Amy Forrester   | 2018-08-31 15:15 |          |
| 3228 | Member Nodes | MNDeployment | Operational | Normal    | NCEI - National Centers for Environmental Information     | Dave Vieglais   | 2019-07-08 16:28 |          |
| 3232 | Member Nodes | MNDeployment | Operational | High      | LTER-EUROPE   | Laura Moyers    | 2018-11-21 16:58 |          |
| 3238 | Member Nodes | MNDeployment | Operational | High      | Idaho Northwest Knowledge Network member node             | Amy Forrester   | 2019-10-08 15:14 |          |
| 3521 | Member Nodes | MNDeployment | Operational | Immediate | SEAD Member Node  | Laura Moyers    | 2019-06-05 17:46 |          |
| 3529 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at ORC                               | Dave Vieglais   | 2018-08-31 15:21 |          |
| 3530 | Member Nodes | MNDeployment | Operational | Normal    | Replication instance at UCSB                              | Dave Vieglais   | 2018-08-31 15:22 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal    | Gulf of Alaska Data Portal                                | Laura Moyers    | 2018-05-15 17:40 |          |
| 3553 | Member Nodes | MNDeployment | Operational | High      | PISCO   | Laura Moyers    | 2018-01-10 01:13 |          |
| 3554 | Member Nodes | MNDeployment | Operational | High      | KNB   | Jing Tao        | 2018-08-31 15:16 |          |
| 3555 | Member Nodes | MNDeployment | Operational | High      | SANParks  | Laura Moyers    | 2018-05-09 21:19 |          |

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| 3556 | Member Nodes | MNDeployment | Operational | High     | ESA Data Registry   | Amy Forrester | 2019-10-08 15:28 |          |
| 3557 | Member Nodes | MNDeployment | Operational | Normal   | LTER Network  | Roger Dahl    | 2018-09-25 17:17 |          |
| 3558 | Member Nodes | MNDeployment | Operational | High     | CDL Merritt   | Laura Moyers  | 2018-08-23 17:05 |          |
| 3559 | Member Nodes | MNDeployment | Operational | Normal   | ONEShare  | Amy Forrester | 2019-09-03 16:40 |          |
| 3560 | Member Nodes | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird  | Laura Moyers  | 2018-08-06 21:12 |          |
| 3687 | Member Nodes | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems  | Amy Forrester | 2019-10-08 15:29 |          |
| 3708 | Member Nodes | MNDeployment | Operational | Normal   | Minnesota Population Center   | Laura Moyers  | 2018-08-06 19:43 |          |
| 3748 | Member Nodes | MNDeployment | Operational | Normal   | PPBIO Member Node   | Jing Tao      | 2018-08-31 15:20 |          |
| 4700 | Member Nodes | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive                                | Amy Forrester | 2019-10-08 15:20 |          |
| 5451 | Member Nodes | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)   | Monica Ihli   | 2019-04-17 21:39 |          |
| 6401 | Member Nodes | MNDeployment | Operational | Normal   | NM EPSCoR   | Roger Dahl    | 2019-03-05 18:13 |          |
| 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 |          |
| 6548 | Member Nodes | MNDeployment | Operational | High     | R2R Repository  | Monica Ihli   | 2018-07-26 13:49 |          |
| 6562 | Member Nodes | MNDeployment | Operational | Normal   | BCO-DMO   | Laura Moyers  | 2021-12-04 00:47 |          |
| 6674 | Member Nodes | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center   | Jing Tao      | 2019-06-10 13:03 |          |
| 6708 | Member Nodes | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network  | Bruce Wilson  | 2019-06-06 19:52 |          |
| 6957 | Member Nodes | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center  | Amy Forrester | 2019-10-08 18:39 |          |
| 7051 | Member Nodes | MNDeployment | Operational | Normal   | GRIIDC - Gulf of Mexico Research Initiative   | Laura Moyers  | 2018-09-25 17:14 |          |
| 7082 | Member Nodes | MNDeployment | Operational | Normal   | USGS Science Data Catalog (SDC)   | Laura Moyers  | 2018-10-09 16:27 |          |
| 7629 | Member Nodes | MNDeployment | Operational | Normal   | Arctic Data Center - Data and Software about the Arctic                                 | Matthew Jones | 2018-01-10 17:53 |          |
| 7842 | Member Nodes | MNDeployment | Operational | Normal   | Research Workspace  | Roger Dahl    | 2018-08-14 17:05 |          |
| 7895 | Member Nodes | MNDeployment | Operational | Normal   | Pangaea   | Monica Ihli   | 2018-12-04 14:58 |          |
| 7956 | Member Nodes | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)   | Laura Moyers  | 2018-11-13 19:14 |          |
| 7969 | Member Nodes | MNDeployment | Operational | Normal   | FEMC (Forest Ecosystem Monitoring Cooperative) - was VMC Vermont Monitoring Cooperative | Monica Ihli   | 2019-08-27 17:22 |          |
| 8035 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)                          | Dave Vieglais | 2019-05-06 14:25 |          |
| 8186 | Member Nodes | MNDeployment | Operational | Normal   | ESS-DIVE, including CDIAC   | Matthew Jones | 2018-12-04 14:57 |          |
| 8544 | Member Nodes | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network  | Amy Forrester | 2018-12-04 14:56 |          |
| 8704 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance)                 | Dave Vieglais | 2019-05-14 13:47 |          |
| 8721 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)           | Dave Vieglais | 2019-05-14 13:46 |          |

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| 8772 | Member Nodes | MNDeployment | Operational | Normal   | metaGRIL   | Jing Tao         | 2019-10-08 17:16 |          |
| 8725 | Member Nodes | MNDeployment | In Review   | Normal   | NCAR (National Center for Atmospheric Research)                  |                  | 2018-10-08 13:33 |          |
| 8828 | Member Nodes | MNDeployment | In Review   | Normal   | SESAR  |                  | 2019-08-01 16:09 |          |
| 8847 | Member Nodes | MNDeployment | In Review   | Normal   | Freshwater Research and Environmental Database (IGBFRED)         | Dave Vieglaiss   | 2019-10-17 19:23 |          |
| 3234 | Member Nodes | MNDeployment | Testing     | Normal   | CyVerse (iPlant) member node                                     | Rob Nahf         | 2019-03-05 18:36 |          |
| 4730 | Member Nodes | MNDeployment | Testing     | Normal   | Global Biodiversity Information Facility                         | Dave Vieglaiss   | 2018-09-26 19:45 |          |
| 3230 | Member Nodes | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node              | John Evans       | 2019-11-25 20:10 |          |
| 7296 | Member Nodes | MNDeployment | Planning    | Normal   | GCOOS  | Monica Ihli      | 2018-04-16 15:53 |          |
| 7865 | Member Nodes | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)  | John Evans       | 2019-09-17 14:33 |          |
| 8254 | Member Nodes | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)                   | Amy Forrester    | 2019-09-17 14:31 |          |
| 8839 | Member Nodes | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare   | Roger Dahl       | 2019-09-24 17:48 |          |
| 3176 | Member Nodes | MNDeployment | New         | Low      | QUT member node  | Matthew Jones    | 2018-04-17 17:30 |          |
| 3211 | Member Nodes | MNDeployment | New         | Normal   | Taiwan Ecological Research Network member node                   | Ben Leinfelder   | 2014-02-20 21:58 |          |
| 3219 | Member Nodes | MNDeployment | New         | Normal   | iEcolab member node  | Ben Leinfelder   | 2015-11-19 18:01 |          |
| 3235 | Member Nodes | MNDeployment | New         | Low      | LITS - Long-Term Individual base Time Series project member node |                  | 2018-04-17 17:23 |          |
| 3236 | Member Nodes | MNDeployment | New         | Normal   | UCNRS member node  | Mark Schildhauer | 2013-01-30 20:59 |          |
| 3239 | Member Nodes | MNDeployment | New         | Normal   | "Nitrous Oxide emissions Network" member node                    |                  | 2018-04-17 17:13 |          |
| 3240 | Member Nodes | MNDeployment | New         | Low      | AZGS - Arizona Geological Survey member node                     |                  | 2018-04-17 17:18 |          |
| 3241 | Member Nodes | MNDeployment | New         | Low      | ALA - Atlas of Living Australia member node                      |                  | 2018-04-17 17:14 |          |
| 3258 | Member Nodes | MNDeployment | New         | Low      | CitSci.org MN  | Bruce Wilson     | 2018-04-17 17:19 |          |
| 3480 | Member Nodes | MNDeployment | New         | Low      | Globe.gov  | Laura Moyers     | 2018-04-17 17:23 |          |
| 3519 | Member Nodes | MNDeployment | New         | Low      | Prairie Research Institute                                       | Dave Vieglaiss   | 2015-11-19 17:00 |          |
| 3520 | Member Nodes | MNDeployment | New         | Low      | ARCTOS Collaborative Collection Management Solution              | Dave Vieglaiss   | 2018-04-17 17:18 |          |
| 3628 | Member Nodes | MNDeployment | New         | Low      | Harvard Filtered Push MN   | William Michener | 2015-11-20 03:14 |          |
| 3633 | Member Nodes | MNDeployment | New         | Low      | Bay Delta Member Node  | Laura Moyers     | 2015-11-19 19:44 |          |
| 3664 | Member Nodes | MNDeployment | New         | High     | Landcare Research New Zealand                                    | Laura Moyers     | 2015-11-19 19:39 |          |
| 3680 | Member Nodes | MNDeployment | New         | Low      | Federal University of Pernambuco, Brazil                         | Laura Moyers     | 2015-11-19 19:34 |          |
| 3681 | Member Nodes | MNDeployment | New         | Normal   | EPA's Atlantic Ecology Division                                  | Laura Moyers     | 2016-06-23 00:10 |          |
| 3683 | Member Nodes | MNDeployment | New         | Low      | Purdue University Libraries                                      |                  | 2018-04-17 17:30 |          |
| 3684 | Member Nodes | MNDeployment | New         | Low      | Branner Earth Sciences Library - Stanford University             | Laura Moyers     | 2015-11-19 19:04 |          |

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| 3685 | Member Nodes          | MNDeployment | New    | Low      | National SocioEnvironmental Synthesis Center                                | Laura Moyers    | 2015-11-19 17:58 |          |
| 3690 | Member Nodes          | MNDeployment | New    | Low      | Digital Library of Vertebrate Morphology, University of Texas               | Laura Moyers    | 2015-11-19 17:53 |          |
| 3691 | Member Nodes          | MNDeployment | New    | Low      | National Institute for Amazon Research                                      |                 | 2018-04-17 17:25 |          |
| 3844 | Member Nodes          | MNDeployment | New    | Normal   | Oregon Explorer program at OSU  | Laura Moyers    | 2015-11-19 17:22 |          |
| 4224 | Member Nodes          | MNDeployment | New    | Low      | Japan Long Term Ecological Research Network                                 | Laura Moyers    | 2015-11-19 00:52 |          |
| 4227 | Member Nodes          | MNDeployment | New    | Low      | TRY Plant Trait Database  | Laura Moyers    | 2015-11-19 15:40 |          |
| 4296 | Member Nodes          | MNDeployment | New    | Normal   | Sierra Nevada Global Change Observatory Member Node                         | Laura Moyers    | 2017-01-30 17:01 |          |
| 5457 | Member Nodes          | MNDeployment | New    | Normal   | NSIDC- National Snow and Ice Data Center                                    | Bruce Wilson    | 2018-04-10 19:12 |          |
| 6359 | Member Nodes          | MNDeployment | New    | Low      | SiBBR   | Laura Moyers    | 2015-11-19 17:20 |          |
| 6379 | Member Nodes          | MNDeployment | New    | Normal   | ICMBio  | Bruce Wilson    | 2015-11-19 17:21 |          |
| 6853 | Member Nodes          | MNDeployment | New    | High     | OBIS (Ocean Biogeographic Information System)                               | Laura Moyers    | 2015-11-19 17:46 |          |
| 7050 | Member Nodes          | MNDeployment | New    | Normal   | USDA ARS  |                 | 2015-04-17 17:27 |          |
| 7052 | Member Nodes          | MNDeployment | New    | Low      | BaMBa - Brazilian Marine Biodiversity Database                              | Laura Moyers    | 2015-11-19 17:03 |          |
| 7145 | Member Nodes          | MNDeployment | New    | Low      | PlutoF  |                 | 2018-04-17 17:26 |          |
| 7163 | Member Nodes          | MNDeployment | New    | Low      | UN Environmental Programme World Conservation Monitoring Centre (UNEP WCMC) | Bruce Wilson    | 2016-04-04 17:17 |          |
| 7512 | Member Nodes          | MNDeployment | New    | Normal   | ECOSCOPE - Network of Research Observatories on Biodiversity                | Laura Moyers    | 2016-07-22 12:40 |          |
| 7549 | Member Nodes          | MNDeployment | New    | Low      | COS - the Center for Open Science   | Laura Moyers    | 2018-04-17 17:20 |          |
| 7551 | Member Nodes          | MNDeployment | New    | Normal   | FAO - Food and Agriculture Organization of the UN                           | Laura Moyers    | 2015-12-15 15:08 |          |
| 7552 | Member Nodes          | MNDeployment | New    | Normal   | iDigBio - Integrated Digitized Biocollections                               | Laura Moyers    | 2016-01-05 23:45 |          |
| 7553 | Member Nodes          | MNDeployment | New    | Normal   | OOI - Ocean Observatories Initiative  | Laura Moyers    | 2018-01-25 17:51 |          |
| 7758 | Member Nodes          | MNDeployment | New    | Low      | Polar Rock Repository (PRR) at Ohio State                                   |                 | 2018-04-17 17:28 |          |
| 7851 | Member Nodes          | MNDeployment | New    | Low      | CESAB - Center for Synthesis and Analysis for Biodiversity                  | Laura Moyers    | 2018-04-17 17:19 |          |
| 7924 | Member Nodes          | MNDeployment | New    | Normal   | ILTER-Spain network   | Laura Moyers    | 2016-11-21 14:49 |          |
| 7973 | Member Nodes          | MNDeployment | New    | Low      | Alaska Energy Data Gateway  | Amy Forrester   | 2018-04-17 17:21 |          |
| 8009 | Member Nodes          | MNDeployment | New    | Low      | Geometabolome   | Laura Moyers    | 2018-04-17 17:22 |          |
| 8030 | Member Nodes          | MNDeployment | New    | Normal   | UCAR Research Data Archive  | Laura Moyers    | 2018-04-16 17:39 |          |
| 8188 | Member Nodes          | MNDeployment | New    | Normal   | Ag Data Commons   | Rebecca Koskela | 2017-09-22 23:06 |          |
| 8259 | Member Nodes          | MNDeployment | New    | Normal   | Neotoma Paleocology Database  | Amy Forrester   | 2018-04-09 21:14 |          |
| 8294 | Testing MN Management | MNDeployment | New    | Normal   | Test Node 2   |                 | 2018-02-08 15:28 |          |
| 8461 | Testing MN Management | MNDeployment | New    | Normal   | MEOW - Monitoring Ecosystems & Oceans in Wales                              |                 | 2018-03-22 20:45 |          |

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| 8462 | Testing MN Management | MNDeployment | New         | Normal   | Test MN ticket  |               | 2018-03-01 20:57 |                |
| 8539 | Member Nodes          | MNDeployment | New         | Normal   | NASA Distributed Active Archive Center at National Snow & Ice Data Center (NASA DAAC)   |               | 2018-04-10 19:19 |                |
| 8548 | Member Nodes          | MNDeployment | New         | Normal   | Earthdata powered by EOSDIS   |               | 2018-04-17 19:51 |                |
| 8549 | Member Nodes          | MNDeployment | New         | Normal   | Earth Resources Observation and Science Center  |               | 2018-04-17 19:55 |                |
| 8550 | Member Nodes          | MNDeployment | New         | Normal   | ESGF - Earth System Grid Federation   |               | 2018-04-17 19:58 |                |
| 8551 | Member Nodes          | MNDeployment | New         | Normal   | Forest Service Research Data Archive  |               | 2018-04-17 20:00 |                |
| 8552 | Member Nodes          | MNDeployment | New         | Normal   | GLCF - Global Land Cover Facility   |               | 2018-04-17 20:01 |                |
| 8553 | Member Nodes          | MNDeployment | New         | Normal   | MVCO - Martha's Vineyard Coastal Observatory  |               | 2018-04-17 20:03 |                |
| 8554 | Member Nodes          | MNDeployment | New         | Normal   | SEDAC - NASA Socioeconomic Data and Applications Center                                 |               | 2018-04-17 20:05 |                |
| 8555 | Member Nodes          | MNDeployment | New         | Normal   | NGEE Arctic   |               | 2018-04-18 16:27 |                |
| 8556 | Member Nodes          | MNDeployment | New         | Normal   | OAFflux (WHOI)  |               | 2018-04-18 16:30 |                |
| 8557 | Member Nodes          | MNDeployment | New         | Normal   | Physical Oceanography Distributed Active Archive Center                                 |               | 2018-04-18 16:32 |                |
| 8558 | Member Nodes          | MNDeployment | New         | Normal   | PDC - Polar Data Catalogue  |               | 2018-04-18 16:33 |                |
| 8559 | Member Nodes          | MNDeployment | New         | Normal   | PMM - Precipitation Measurement Missions  |               | 2018-04-18 16:35 |                |
| 8560 | Member Nodes          | MNDeployment | New         | Normal   | PPS - Precipitation Processing System   |               | 2018-04-18 16:36 |                |
| 8561 | Member Nodes          | MNDeployment | New         | Normal   | PRISM Climate Data  |               | 2018-04-18 16:37 |                |
| 8562 | Member Nodes          | MNDeployment | New         | Normal   | PSD Climate and Weather Data  |               | 2018-04-18 16:39 |                |
| 8563 | Member Nodes          | MNDeployment | New         | Normal   | Scripps Institute of Oceanography Explorer  |               | 2018-04-18 16:40 |                |
| 317  | Requirements          | Requirement  | In Progress | Low      | (Requirement) Identifiers for all objects   | Dave Vieglais | 2010-03-15 22:12 |                |
| 318  | Requirements          | Requirement  | New         | High     | (Requirement) Sponsor required Y1 functionality   | Dave Vieglais | 2010-09-06 03:24 | d1_common_java |
| 337  | Requirements          | Requirement  | New         | Low      | (Requirement) Deploy three coordinating nodes   |               | 2010-03-17 15:14 |                |
| 339  | Requirements          | Requirement  | New         | Low      | (Requirement) Web presence to provide publicly accessible information about the project |               | 2010-03-16 17:36 |                |
| 371  | Requirements          | Requirement  | New         | Low      | (Requirement) Provide a suite of collaboration tools and instruction on how to use them |               | 2010-03-16 20:06 |                |
| 374  | Requirements          | Requirement  | New         | Low      | (Requirement) Periodic Reporting to Sponsor   |               | 2010-03-16 18:11 |                |
| 383  | Requirements          | Requirement  | New         | Low      | (Requirement) System supports data storage  |               | 2010-03-16 21:35 |                |
| 384  | Requirements          | Requirement  | New         | High     | (Requirement) Enable efficient mechanisms for users to discover content                 | Dave Vieglais | 2010-09-06 03:58 | d1_common_java |
| 385  | Requirements          | Requirement  | New         | Low      | (Requirement) Support arbitrary unique identifiers                                      |               | 2010-03-16 22:09 |                |
| 386  | Requirements          | Requirement  | New         | Low      | (Requirement) Deploy at least three Member Nodes  |               | 2010-03-17 13:39 |                |

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| 387 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on Metacat  |               | 2010-10-06 22:00 |                |
| 388 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on Dryad  |               | 2010-03-24 13:36 |                |
| 389 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on the ORNL DAAC  |               | 2010-03-25 14:46 |                |
| 390 | Requirements | Requirement | New    | High     | (Requirement) Consistent mechanism for identifying users  | Dave Vieglais | 2010-09-06 20:50 | Requirement    |
| 391 | Requirements | Requirement | New    | High     | (Requirement) Enable different classes of users commensurate with their roles.                        | Dave Vieglais | 2010-09-06 20:51 | Requirement    |
| 392 | Requirements | Requirement | New    | High     | (Requirement) Identity and access control should be interoperable across datanets                     | Dave Vieglais | 2010-09-06 20:31 | 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    |
| 408 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Coordinating Node software stack  |               | 2010-03-25 15:44 |                |
| 409 | Requirements | Requirement | New    | Low      | (Requirement) Develop a reference implementation of the Member Node stack                             |               | 2010-03-25 13:57 |                |
| 410 | Requirements | Requirement | New    | Low      | (Requirement) The infrastructure must support long term preservation of Data                          |               | 2010-03-25 15:41 |                |
| 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 |
| 412 | Requirements | Requirement | New    | Low      | (Requirement) Identifiers always refer to the same object   |               | 2010-03-25 15:41 |                |
| 431 | Requirements | Requirement | New    | Low      | (Requirement) Software developed for infrastructure should be implemented according to specifications |               | 2010-03-25 14:44 |                |
| 433 | Requirements | Requirement | New    | Low      | (Requirement) Data and metadata is replicated to at least one other member node                       |               | 2010-03-25 03:11 |                |
| 439 | Requirements | Requirement | New    | Low      | (Requirement) Maintain original copies of all science metadata  |               | 2010-03-25 03:27 |                |
| 455 | Requirements | Requirement | New    | Low      | (Requirement) Installation of critical software must be well documented and as automated as possible  |               | 2010-03-25 13:52 |                |
| 468 | Requirements | Requirement | New    | Low      | (Requirement) Design the cyberinfrastructure for the project.   |               | 2010-03-25 16:51 |                |
| 580 | Requirements | Requirement | New    | Low      | (Requirement) All software developed on the project should be open source                             | Dave Vieglais | 2010-04-15 22:57 |                |
| 581 | Requirements | Requirement | New    | Low      | (Requirement) System supports multiple types of science metadata                                      |               | 2010-04-20 20:45 |                |
| 592 | Requirements | Requirement | New    | High     | DataONE needs to synchronize metadata between MNs and CNs   | Robert Waltz  | 2010-09-06 02:28 | d1_cn_service  |
| 632 | Requirements | Requirement | New    | Low      | (Requirement) Monitor the DataONE infrastructure  |               | 2010-05-28 20:10 |                |

| #    | Project        | Tracker     | Status      | Priority | Subject  | Assignee       | Updated          | Category                |
|------|----------------|-------------|-------------|----------|--|----------------|------------------|-------------------------|
| 761  | Requirements   | Requirement | New         | High     | (Requirement) Users can specify authorization rules for data objects, science metadata objects, and process artifacts separately                     | Dave Vieglaiss | 2010-09-06 03:06 | Requirement             |
| 762  | Requirements   | Requirement | New         | High     | (Requirement) User identities can be derived from existing institutional directory services  | Dave Vieglaiss | 2010-09-06 03:01 | Requirement             |
| 763  | Requirements   | Requirement | New         | High     | (Requirement) Authentication and authorization services are geographically replicated  | Dave Vieglaiss | 2010-09-06 20:52 | Requirement             |
| 764  | Requirements   | Requirement | New         | High     | (Requirement) Authentication and access control should be consistently available   | Dave Vieglaiss | 2010-09-06 20:32 | Requirement             |
| 765  | Requirements   | Requirement | New         | High     | (Requirement) Tools can access an API for authn and authz  | Dave Vieglaiss | 2010-09-06 20:30 | Requirement             |
| 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 Vieglaiss | 2010-08-11 00:11 | Requirement             |
| 767  | Requirements   | Requirement | New         | High     | (Requirement) Users need to be able to express embargo rules for data  | Dave Vieglaiss | 2010-08-11 00:16 | Requirement             |
| 768  | Requirements   | Requirement | New         | High     | (Requirement) Need default authz policies that resolve problems associated with inaccessible principals  | Dave Vieglaiss | 2010-08-11 00:34 | Requirement             |
| 769  | Requirements   | Requirement | New         | High     | (Requirement) Authorization should support critical roles, such as curators and system administrators  | Dave Vieglaiss | 2010-09-06 03:02 | Requirement             |
| 770  | Requirements   | Requirement | New         | High     | (Requirement) Authorization system should be able to express the pseudo-principal concepts like 'public'   | Dave Vieglaiss | 2010-08-11 00:41 | 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 Vieglaiss | 2010-09-06 03:12 | Requirement             |
| 772  | Requirements   | Requirement | New         | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications   | Dave Vieglaiss | 2010-08-11 07:54 | Requirement             |
| 777  | Requirements   | Requirement | New         | High     | (Requirement) Authorization rules should support common permission levels  | Dave Vieglaiss | 2010-09-06 20:49 | Requirement             |
| 795  | Requirements   | Requirement | New         | High     | (Requirement) System must support revocation of user permissions   | Dave Vieglaiss | 2010-08-29 20:45 | Requirement             |
| 820  | Requirements   | Requirement | New         | High     | (Requirement) Common API for authentication and authorization operations   | Dave Vieglaiss | 2010-09-06 21:23 | Requirement             |
| 821  | Requirements   | Requirement | New         | High     | (Requirement) Sponsor required functionality   | Dave Vieglaiss | 2010-09-06 03:28 | d1_common_java          |
| 822  | Requirements   | Requirement | New         | High     | (Requirement) Object access and manipulation should be responsive  | Dave Vieglaiss | 2010-09-06 20:27 | d1_common_java          |
| 8693 | Infrastructure | Decision    | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering  |                | 2019-06-06 23:53 |                         |
| 3099 | Infrastructure | Decision    | New         | Normal   | ONE-Mercury display of data set citation   | Dave Vieglaiss | 2012-07-23 21:24 | d1_mercury              |
| 6067 | Infrastructure | Decision    | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?   | Robert Waltz   | 2014-08-22 03:58 | Environment.Development |

| #    | Project        | Tracker  | Status      | Priority | Subject  | Assignee       | Updated          | Category               |
|------|----------------|----------|-------------|----------|--|----------------|------------------|------------------------|
| 6392 | Infrastructure | Decision | New         | Normal   | CN getChecksum REST API design review  | Dave Vieglaiss | 2014-09-18 17:09 | Requirement            |
| 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 |                        |
| 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 |                        |
| 8601 | Infrastructure | Decision | New         | Normal   | Decide on a URI space for DataONE resources  |                | 2018-07-18 21:42 |                        |
| 8616 | Infrastructure | Decision | New         | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories                                |                | 2018-06-15 00:13 |                        |
| 8774 | Infrastructure | Decision | New         | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2   |                | 2019-03-08 16:03 |                        |
| 8017 | Member Nodes   | Support  | New         | Normal   | NCEI - Implement GMN for replicating Arctic Data Center Data   | Roger Dahl     | 2018-05-16 14:32 |                        |
| 8019 | Member Nodes   | Support  | New         | Normal   | Follow up on Preferred Replication Target Testing  | Monica Ihli    | 2017-02-14 19:52 |                        |
| 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 Vieglaiss | 2017-06-06 17:56 | d1_replication_auditor |
| 8187 | Member Nodes   | Support  | New         | Normal   | EZID DOI resolvable URLs failing for 14 PISCO objects  |                | 2017-09-19 22:12 |                        |
| 2540 | Infrastructure | Feature  | In Progress | Normal   | add generateIdentifier() method to MNStorage API   | Dave Vieglaiss | 2014-10-02 17:54 | Documentation          |
| 6369 | Java Client    | Feature  | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources   | Rob Nahf       | 2015-02-11 20:56 | d1_libclient_java      |
| 6497 | Python GMN     | Feature  | In Progress | Normal   | V2 GMN Support   | Dave Vieglaiss | 2016-03-25 01:27 |                        |
| 6854 | Infrastructure | Feature  | In Progress | Normal   | add testAssumptionFailure to run listener  | Rob Nahf       | 2016-01-26 22:30 | d1_integration         |
| 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          |
| 1873 | Infrastructure | Feature  | New         | Normal   | Postprocessing tool for log reporting  |                | 2014-10-02 17:06 | d1_log_aggregation     |
| 3762 | Infrastructure | Feature  | New         | Low      | DataONE software download statistics   | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard           |
| 4038 | Infrastructure | Feature  | New         | Normal   | change default replication implementation  | Matthew Jones  | 2014-10-01 21:26 | d1_replication         |
| 4051 | Infrastructure | Feature  | New         | Normal   | MN Stack supporting Fedora Commons   |                | 2014-10-02 21:39 | mn.Fedora              |
| 5145 | Infrastructure | Feature  | New         | Normal   | Consider including cert subject(s) in NotAuthorized exceptions   | Chris Jones    | 2014-09-25 17:44 | d1_cn_service          |
| 5322 | MN Dashboard   | Feature  | New         | Normal   | Add support for right, left keys on dashboard detail pages   | Skye Roseboom  | 2015-04-29 22:47 |                        |
| 5515 | MN Dashboard   | Feature  | New         | Normal   | Add number of MNs to overview display  | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 5516 | MN Dashboard   | Feature  | New         | Normal   | Date formatting  | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 6335 | MN Dashboard   | Feature  | New         | Normal   | Add total number of MNs to the summary page of the dashboard   | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 6336 | MN Dashboard   | Feature  | New         | Normal   | Display MN POCs on the detail MN pages of the dashboard  | Skye Roseboom  | 2015-04-29 22:49 |                        |
| 6484 | MN Dashboard   | Feature  | New         | Normal   | Provide paging/scrolling on MN table   | Skye Roseboom  | 2015-04-29 22:47 |                        |



| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee        | Updated          | Category                |
|------|----------------|---------|-------------|----------|--|-----------------|------------------|-------------------------|
| 6499 | Infrastructure | Feature | New         | Normal   | define and implement addFormat() method  | Rob Nahf        | 2016-06-22 16:51 | Architecture Design     |
| 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 |                         |
| 7032 | MN Dashboard   | Feature | New         | Normal   | Add anchor to the MN dashboard for "upcoming MNs"  | Skye Roseboom   | 2015-04-09 17:52 |                         |
| 7312 | Java Client    | Feature | New         | Normal   | Restart connection manager   |                 | 2015-08-24 17:24 | d1_libclient_java       |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas   | Jing Tao        | 2016-12-21 09:11 | Metacat                 |
| 8053 | Infrastructure | Feature | New         | Normal   | add funding award number to index  | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index        |
| 8058 | Infrastructure | Feature | New         | Normal   | Allow "upcoming" nodes to appear in the node list  | Robert Waltz    | 2017-04-03 18:33 | d1_cn_service           |
| 8065 | Infrastructure | Feature | New         | Normal   | Add service to re-populate Hazelcast map for node attributes   |                 | 2018-01-09 19:10 |                         |
| 8107 | Infrastructure | Feature | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()   |                 | 2017-06-27 16:46 | Architecture Design     |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died   | Jing Tao        | 2017-09-14 19:14 | Metacat                 |
| 8210 | Infrastructure | Feature | New         | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content  |                 | 2017-10-25 18:50 |                         |
| 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          |
| 8583 | DataONE API    | Feature | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates   | Dave Vieglais   | 2018-05-02 03:18 |                         |
| 8780 | Infrastructure | Feature | New         | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2   | Dave Vieglais   | 2019-03-30 20:38 | d1_indexer              |
| 7322 | Java Client    | Bug     | Testing     | Normal   | D1Object stores data in memory, causes out of memory errors  | Chris Jones     | 2015-08-28 00:15 | d1_libclient_java       |
| 8106 | Infrastructure | Bug     | Testing     | Normal   | Difficulty Distinguishing Between Different Kinds of Failed Sync "Not Found" Error Messages  | Rob Nahf        | 2018-02-20 16:57 | d1_synchronization      |
| 8123 | Infrastructure | Bug     | Testing     | Normal   | portal hazelcast client should load config directly from xml   | Rob Nahf        | 2017-12-26 18:20 | d1_portal_servlet       |
| 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 |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers   | Ben Leinfelder  | 2018-11-13 21:44 |                         |
| 3122 | Infrastructure | Bug     | In Progress | Normal   | asterisk in search term  | Skye Roseboom   | 2014-10-02 18:02 | d1_mercury              |
| 3492 | Infrastructure | Bug     | In Progress | Urgent   | Invalid PIDs in production (whitespace)  | Jing Tao        | 2017-04-27 15:31 | Support Operations      |
| 6062 | Infrastructure | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk  | Robert Waltz    | 2016-08-10 20:56 | Environment.Development |
| 6614 | Python GMN     | Bug     | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN  | Roger Dahl      | 2016-04-21 22:37 |                         |
| 6789 | Java Client    | Bug     | In Progress | Normal   | Read API calls to the CN are hanging   | Rob Nahf        | 2016-05-07 07:59 |                         |
| 7432 | Java Client    | Bug     | In Progress | Normal   | Java Client does not support idFilter for v2 release   | Rob Nahf        | 2019-06-14 18:47 | d1_libclient_java       |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee       | Updated          | Category            |
|------|----------------|---------|-------------|----------|---|----------------|------------------|---------------------|
| 7523 | Infrastructure | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList   | Rob Nahf       | 2016-04-19 22:27 | d1_libclient_java   |
| 7570 | Infrastructure | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error  | Jing Tao       | 2017-04-26 21:01 | d1_indexer          |
| 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  |
| 7896 | Member Nodes   | Bug     | In Progress | Normal   | Dryad data sets don't mark new versions correctly in SystemMetadata with obsoletes/obsoletedBy    | Monica Ihli    | 2017-07-24 10:10 |                     |
| 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 |
| 8051 | Infrastructure | Bug     | In Progress | Normal   | CORS-based CN calls fail using Internet Explorer on Windows                                       | Chris Jones    | 2017-03-28 16:35 | dataone-cn-os-core  |
| 8195 | Infrastructure | Bug     | In Progress | High     | Tomcat out of memory error  | Dave Vieglais  | 2017-12-26 20:01 |                     |
| 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          |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object   | Jing Tao       | 2018-04-23 20:13 | d1_indexer          |
| 8573 | Infrastructure | Bug     | In Progress | Normal   | changing accessPolicies and rightHolders down the line of series can cause improper sync failures | Rob Nahf       | 2018-05-03 21:52 | d1_synchronization  |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail  | Rob Nahf       | 2018-10-18 18:33 | d1_indexer          |
| 2968 | Java Client    | Bug     | New         | Normal   | cn.getFormat() doesn't use cn associated with the CNode object                                    | Rob Nahf       | 2015-02-11 20:56 | d1_libclient_java   |
| 3165 | Java Client    | Bug     | New         | Low      | Libclient caching does not respect accessPolicies   | Rob Nahf       | 2015-02-11 18:37 | d1_libclient_java   |
| 3246 | Infrastructure | Bug     | New         | Low      | Metacat returns 500 instead of 404 in some cases  | Ben Leinfelder | 2014-10-02 18:03 | Metacat             |
| 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 |
| 3658 | DataONE API    | Bug     | New         | Normal   | Deleting objects breaks obsoletes chain traversal   | Chris Jones    | 2015-01-19 22:29 |                     |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects  | Rob Nahf       | 2018-09-21 21:01 | d1_indexer          |
| 3700 | Infrastructure | Bug     | New         | Normal   | MNodeService.replicate will not request new object if existing on MN                              | Chris Jones    | 2015-01-06 19:43 | Metacat             |
| 3869 | Infrastructure | Bug     | New         | Normal   | wrong key set in portal/WEB-INF/client.xml  | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout      |
| 4067 | Infrastructure | Bug     | New         | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.       | Robert Waltz   | 2016-08-10 21:01 | d1_cn_service       |
| 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      |
| 4142 | Infrastructure | Bug     | New         | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly                               | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout      |
| 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 |                     |
| 4211 | Infrastructure | Bug     | New         | Normal   | Potential race condition between archive and replication  | Chris Jones    | 2014-09-25 17:19 | d1_cn_service       |
| 4300 | Infrastructure | Bug     | New         | Low      | Create more appropriate "create" entry in the LogRecord for replicas                              | Roger Dahl     | 2016-04-21 22:38 | d1_mn_GMN           |

| #    | Project          | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category                |
|------|------------------|---------|--------|----------|---|----------------|------------------|-------------------------|
| 4301 | Python GMN       | Bug     | New    | Low      | In the GMN integration tester, add test to check that Last-Modified, Content-Length and Content-Type fields are set correctly | Roger Dahl     | 2016-04-21 22:38 |                         |
| 4303 | Infrastructure   | Bug     | New    | Low      | Fix potential bug where an object could be created and accepted for replication simultaneously.                               | Roger Dahl     | 2016-04-21 22:38 | d1_mn_GMN               |
| 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           |
| 5321 | Infrastructure   | Bug     | New    | Normal   | Multiple Hazelcast Client connections to same storage instance  | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon       |
| 5582 | Infrastructure   | Bug     | New    | Normal   | xinetd not supported via debian install   | Robert Waltz   | 2014-10-02 19:27 | d1_cn_buildout          |
| 5739 | CN REST          | Bug     | New    | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core   | Robert Waltz   | 2015-01-19 23:05 |                         |
| 6011 | Infrastructure   | Bug     | New    | Normal   | Synchronization fails from max_syncobjectqueue_size   | Robert Waltz   | 2016-01-05 17:52 | d1_synchronization      |
| 6041 | Infrastructure   | Bug     | New    | Normal   | obsoletedBy field serialized with newline after pid   | Robert Waltz   | 2014-09-25 17:36 |                         |
| 6044 | Infrastructure   | Bug     | New    | Normal   | Indexer needs port 5432 open to localhost during postinst   | Robert Waltz   | 2015-01-06 18:17 | d1_cn_buildout          |
| 6060 | Infrastructure   | Bug     | New    | Normal   | dataone-cn-index install should fail if subtasks fail   | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout          |
| 6070 | Infrastructure   | Bug     | New    | Normal   | CNs missing GOA objects   | Robert Waltz   | 2016-08-10 20:56 | d1_synchronization      |
| 6542 | Infrastructure   | Bug     | New    | Normal   | Unable to add metadata document on mndemo8  |                | 2014-10-30 16:30 | Environment.Development |
| 6615 | Infrastructure   | Bug     | New    | Normal   | Apt-get doesn't work on mn-sandbox-unm-1  |                | 2014-11-18 18:45 |                         |
| 6755 | Python CLI       | Bug     | New    | Normal   | python CLI install instructions fail  | Roger Dahl     | 2018-01-09 02:44 |                         |
| 6765 | Java Client      | Bug     | New    | Normal   | jibx-maven-plugin incompatible with Java 8  | Rob Nahf       | 2015-01-19 23:17 |                         |
| 6766 | Python GMN       | Bug     | New    | Normal   | FYI ONLY: GMN local install with self-signed CA certificate breaks with new SSL support in Python 2.7.9                       |                | 2015-01-20 18:53 |                         |
| 6767 | Python GMN       | Bug     | New    | Normal   | GMN crashes if the replication target is not responding   | Roger Dahl     | 2016-04-14 14:19 |                         |
| 6791 | Infrastructure   | Bug     | New    | Normal   | Building d1_log_aggregation doesn't trigger downstream builds   |                | 2015-01-31 00:32 | Support Operations      |
| 6868 | Python GMN       | Bug     | New    | Normal   | GMN filters objects in list objects method from non-authenticated, non-rights-holder users                                    | Roger Dahl     | 2016-04-14 14:19 |                         |
| 6882 | Infrastructure   | Bug     | New    | Normal   | after CN upgrade togglePortsAndReplication.sh missing   | Robert Waltz   | 2016-01-05 17:54 | d1_cn_buildout          |
| 7097 | Infrastructure   | Bug     | New    | Normal   | v1 call to CN.search() yields a NoClassDef exception for boucncycastle  | Rob Nahf       | 2015-05-12 18:46 |                         |
| 7161 | CN REST          | Bug     | New    | Normal   | TERN object fails to be indexed by Solr, but successfully synchronized  |                | 2015-06-05 18:04 | d1_synchronization      |
| 7178 | Infrastructure   | Bug     | New    | Normal   | duplicate replica information on mn-demo-5  | Robert Waltz   | 2015-07-01 20:14 | d1_replication          |
| 7291 | Python GMN       | Bug     | New    | Normal   | pypi distribution does not have all files   | Roger Dahl     | 2016-04-14 14:57 |                         |
| 7298 | Python Libraries | Bug     | New    | Normal   | escapeQueryTerm should be a module method not a class method  | Dave Vieglaiss | 2015-08-18 15:06 | d1_libclient_python     |
| 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     |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee       | Updated          | Category              |
|------|----------------|---------|--------|----------|---|----------------|------------------|-----------------------|
| 7301 | CN REST        | Bug     | New    | Normal   | CN-stage allows connections to a MN that is operating a self-signed SSL server certificate  |                | 2015-08-19 03:46 |                       |
| 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        |
| 7371 | Infrastructure | Bug     | New    | Normal   | A systemMetadata update that changes the formatID from DATA to METADATA or RESOURCE_MAP will not upload the object to the CN            | Robert Waltz   | 2015-09-22 21:47 | d1_cn_service         |
| 7440 | CN REST        | Bug     | New    | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown."                            |                | 2015-10-20 14:46 |                       |
| 7489 | CN REST        | Bug     | New    | Normal   | processing daemon common-logging misconfigured  | Robert Waltz   | 2016-01-21 17:18 | d1_cn_process_daemon  |
| 7528 | DataONE API    | Bug     | New    | Normal   | Incorrect argument name documented for CNCore.reserveldentifier   |                | 2015-12-08 19:51 | api_documentation     |
| 7578 | DataONE API    | Bug     | New    | Normal   | Fix 404 link to d1_instance_generator folder in documentation   |                | 2016-01-08 22:01 | api_documentation     |
| 7601 | Infrastructure | Bug     | New    | High     | CN checksum inconsistencies   | Dave Vieglaiss | 2016-01-26 19:29 |                       |
| 7651 | Python GMN     | Bug     | New    | High     | GMN returns two different dateSysMetadataModified dateTime stamps for same object   | Roger Dahl     | 2016-04-14 14:17 |                       |
| 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 |                       |
| 7666 | Infrastructure | Bug     | New    | Normal   | mnTestMPC repeating attempts to set replica status to FAILED  | Laura Moyers   | 2016-02-25 21:44 | Environment.Stage1    |
| 7684 | DataONE API    | Bug     | New    | Low      | Call to MNStorage.update() via REST API returns java.lang.StackOverflowError  |                | 2016-03-21 23:07 |                       |
| 7687 | CN REST        | Bug     | New    | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification  | Rob Nahf       | 2016-07-22 19:22 | d1_synchronization    |
| 7688 | Infrastructure | Bug     | New    | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification   | Dave Vieglaiss | 2018-01-02 12:02 | d1_log_aggregation    |
| 7698 | Infrastructure | Bug     | New    | Low      | Exclude SLF4J jars in d1_solr_extensions.jar  |                | 2016-03-28 16:22 | d1_cn_solr_extensions |
| 7699 | Infrastructure | Bug     | New    | Normal   | alter scripts that backup postgresql db   |                | 2017-05-09 17:33 | dataone-cn-os-core    |
| 7738 | Python GMN     | Bug     | New    | High     | GMN perpetually retries system metadata updates after failures  | Roger Dahl     | 2016-04-14 14:26 |                       |
| 7739 | Python GMN     | Bug     | New    | Normal   | GMN Django models need to be adjusted for var char content greater than 1024 character length   | Roger Dahl     | 2016-04-14 14:47 |                       |
| 7740 | Python GMN     | Bug     | New    | High     | GMN fails to write system metadata during a refresh under unknown conditions  | Roger Dahl     | 2016-04-14 14:56 |                       |
| 7759 | Python GMN     | Bug     | New    | Normal   | GMN docs refer to /portal for identity management   | Roger Dahl     | 2017-03-28 16:45 |                       |
| 7825 | Infrastructure | Bug     | New    | Normal   | Hazelcast service stops working after a while   | Jing Tao       | 2016-06-07 18:53 | Metacat               |

| #    | Project        | Tracker | Status | Priority | Subject   | Assignee        | Updated          | Category                |
|------|----------------|---------|--------|----------|---|-----------------|------------------|-------------------------|
| 7858 | Infrastructure | Bug     | New    | Normal   | Obsoleting a resource map clears the resourceMap field for the obsoleted package  |                 | 2017-03-28 16:20 | d1_indexer              |
| 7868 | Infrastructure | Bug     | New    | Normal   | potential gaps between log harvests   | Rob Nahf        | 2017-03-23 15:40 | d1_log_aggregation      |
| 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              |
| 7919 | Infrastructure | Bug     | New    | High     | unloadable system metadata in CNs by Hazelcast  |                 | 2016-11-01 19:30 | Metacat                 |
| 7933 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor stops processing task queue   | Jing Tao        | 2017-01-11 23:47 | d1_indexer              |
| 7936 | Infrastructure | Bug     | New    | Normal   | Same pid with different status exists in the index_task table   | Jing Tao        | 2017-02-27 18:07 | d1_indexer              |
| 7954 | Infrastructure | Bug     | New    | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN  | Roger Dahl      | 2017-04-19 18:55 | d1_synchronization      |
| 8010 | CN REST        | Bug     | New    | Normal   | CN.archive fails with 401 Unauthorized when using either MN or CN client certificate for PID with authoritative MN as urn:node:LTER | Jing Tao        | 2017-03-21 17:10 |                         |
| 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              |
| 8045 | Infrastructure | Bug     | New    | Normal   | certificateLocation not seeming to be utilized  | Rob Nahf        | 2017-03-14 20:45 | d1_libclient_java       |
| 8046 | Infrastructure | Bug     | New    | Normal   | Mutable Member Nodes orphan unhosted objects  |                 | 2017-03-15 17:40 | Architecture Design     |
| 8052 | Infrastructure | Bug     | New    | Normal   | Geohashed value is incorrect  | Peter Slaughter | 2017-04-07 22:06 | d1_indexer              |
| 8069 | Infrastructure | Bug     | New    | Normal   | Name from ORCID incorrectly parsed  | Ben Leinfelder  | 2017-04-12 20:28 | d1_portal_servlet       |
| 8076 | Infrastructure | Bug     | New    | High     | sysmeta can not be retrieved for some objects   | Dave Vieglais   | 2017-04-22 01:54 | dataone-cn-rest-service |
| 8093 | Infrastructure | Bug     | New    | Normal   | resource map index processing is inefficient (2sec / referenced object)   | Rob Nahf        | 2017-05-10 20:00 | d1_indexer              |
| 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      |
| 8161 | Infrastructure | Bug     | New    | Normal   | d1-processing Out of Memory Error   | Dave Vieglais   | 2018-02-20 16:19 | d1_process_daemon       |
| 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              |
| 8196 | Infrastructure | Bug     | New    | Normal   | Duplicated replicas in the system metadata  | Jing Tao        | 2017-10-18 17:19 | d1_replication          |
| 8215 | Infrastructure | Bug     | New    | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)   |                 | 2017-11-07 22:11 |                         |
| 8228 | Infrastructure | Bug     | New    | Normal   | Excessive replicas requested by integration test  | Rob Nahf        | 2018-03-02 21:52 | d1_integration          |
| 8361 | Infrastructure | Bug     | New    | Normal   | index processor throws unhandled NPE if task systemMetadata is null   | Rob Nahf        | 2018-03-22 16:54 | d1_indexer              |
| 8379 | Infrastructure | Bug     | New    | Normal   | remove or improve AuthLdap.getGroups logging statement  | Jing Tao        | 2018-02-27 16:51 | Metacat                 |
| 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                 |
| 8448 | Infrastructure | Bug     | New    | Normal   | d1_cn_index_tool doesn't reindex an pid from a given file   | Jing Tao        | 2018-03-02 22:06 | d1_indexer              |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category              |
|------|----------------|---------|--------|----------|--|---------------|------------------|-----------------------|
| 8500 | Infrastructure | Bug     | New    | High     | Geohash not calculated properly  | Jing Tao      | 2018-03-14 17:06 | d1_indexer            |
| 8541 | Infrastructure | Bug     | New    | Normal   | index shutdown threw exception   | Rob Nahf      | 2018-04-12 16:44 | d1_indexer            |
| 8570 | Infrastructure | Bug     | New    | Normal   | index task not generated for a newly synchronized object   | Jing Tao      | 2018-04-20 20:51 | d1_indexer            |
| 8603 | Infrastructure | Bug     | New    | Normal   | log aggregation incorrectly assigning location information   | Dave Vieglais | 2018-06-07 20:52 | d1_log_aggregation    |
| 8622 | Member Nodes   | Bug     | New    | High     | IOE repository is not responding   | Amy Forrester | 2019-03-05 20:54 |                       |
| 8630 | CN REST        | Bug     | New    | Normal   | equivalentIdentity values use uppercase letters when the same person subject values are lowercase                            |               | 2018-06-26 14:15 | d1_identity_manager   |
| 8640 | Infrastructure | Bug     | New    | Normal   | Replication includes "down" nodes as replication targets   | Chris Jones   | 2018-07-04 11:29 | d1_replication        |
| 8641 | Infrastructure | Bug     | New    | Normal   | Any change to SystemMetadata causes a new replication task to be generated without consideration of the object replicability | Chris Jones   | 2018-07-04 12:28 | d1_replication        |
| 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        |
| 8655 | Infrastructure | Bug     | New    | High     | Synchronization died with OOM  |               | 2018-07-13 11:24 |                       |
| 8657 | Log Reporting  | Bug     | New    | Normal   | Log aggregation service not recording logs for the MNs - urn:node:TDAR and urn:node:OTS_NDC                                  |               | 2018-07-16 21:36 | d1_log_aggregation    |
| 8686 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor failed with NPE  | Rob Nahf      | 2018-08-24 01:35 | d1_indexer            |
| 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            |
| 8698 | CN REST        | Bug     | New    | Normal   | CN Performance degradation   |               | 2018-09-13 21:05 | d1_cn_rest            |
| 8722 | Infrastructure | Bug     | New    | High     | Object in search index but systemmetadata is not available.  | Jing Tao      | 2018-10-03 17:48 |                       |
| 8724 | Infrastructure | Bug     | New    | Normal   | index out of bounds error in PortalCertificateManager  | Rob Nahf      | 2018-10-02 19:11 | d1_portal             |
| 8731 | Infrastructure | Bug     | New    | Normal   | Indexing solr client method is building query with too many ORs, causing errors  | Rob Nahf      | 2018-10-04 22:25 | d1_indexer            |
| 8733 | CN REST        | Bug     | New    | Normal   | Exception handling in ForesiteResourceMap needs improvement  | Jing Tao      | 2018-10-12 20:09 | d1_cn_index_processor |
| 8740 | CN REST        | Bug     | New    | Normal   | CN resolve service returning 404 for some pids   |               | 2019-01-22 18:41 | cn_metacat            |
| 8783 | Infrastructure | Bug     | New    | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeIdRoundRobin   | Rob Nahf      | 2019-04-02 20:10 | d1_synchronization    |
| 8815 | Infrastructure | Bug     | New    | Normal   | Investigate and fix failed sync/harvest of doi:10.18739/A2CH48   |               | 2019-06-04 23:26 |                       |
| 8821 | Infrastructure | Bug     | New    | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN   | Jing Tao      | 2019-06-19 00:06 |                       |
| 8822 | Infrastructure | Bug     | New    | Low      | Account queries in STAGE-2 failing from web browser  |               | 2019-06-19 01:44 |                       |
| 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    |
| 8843 | Member Nodes   | Bug     | New    | Normal   | Server certificate is expired  |               | 2019-10-08 15:14 |                       |

| #    | Project        | Tracker | Status      | Priority  | Subject  | Assignee       | Updated          | Category          |
|------|----------------|---------|-------------|-----------|--|----------------|------------------|-------------------|
| 8844 | Member Nodes   | Bug     | New         | Normal    | Server certificate is expired  |                | 2019-10-08 18:27 |                   |
| 8845 | Member Nodes   | Bug     | New         | Normal    | Server is returning a 500 error.   |                | 2019-10-08 15:20 |                   |
| 8846 | Member Nodes   | Bug     | New         | Normal    | TFRI node unresponsive   |                | 2019-10-08 15:26 |                   |
| 8850 | Infrastructure | Bug     | New         | Normal    | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong        | Jing Tao       | 2019-11-06 18:32 | d1_indexer        |
| 8860 | CN REST        | Bug     | New         | Normal    | /token endpoint doesn't set a content-type and character encoding                  |                | 2020-02-29 01:00 | d1_portal         |
| 8866 | Infrastructure | Bug     | New         | Normal    | Java client tools should set a custom user agent string                            |                | 2020-07-15 22:43 |                   |
| 8867 | CN REST        | Bug     | New         | High      | CNCore.listChecksumAlgorithms() returns incorrect list                             | Jing Tao       | 2020-08-06 00:06 | d1_cn_rest        |
| 7139 | Python GMN     | Task    | In Review   | Normal    | modify postgres schema   | Dave Vieglais  | 2016-03-25 01:27 |                   |
| 7140 | Python GMN     | Task    | In Review   | Normal    | Resolve sids to pids   | Dave Vieglais  | 2016-03-25 01:27 |                   |
| 3624 | Infrastructure | Task    | Testing     | Normal    | Update CN index processing to support ESRI FGDC metadata format                    | Skye Roseboom  | 2013-03-05 23:27 | d1_indexer        |
| 4210 | Infrastructure | Task    | Testing     | Immediate | Metacat does not set serialVersion correctly in CNodeService archive() or delete() | Chris Jones    | 2013-12-20 16:12 | Metacat           |
| 5531 | Infrastructure | Task    | Testing     | Normal    | Provide overview of replication process for MN implementors                        | Matthew Jones  | 2014-10-02 17:21 | Documentation     |
| 5836 | Member Nodes   | Task    | Testing     | Normal    | GBIF: Verify that MN passes the Web Tester   | Rob Nahf       | 2018-09-26 19:57 |                   |
| 6378 | Infrastructure | Task    | Testing     | Normal    | code up the new strategy   | Rob Nahf       | 2016-06-22 16:53 | d1_replication    |
| 7120 | Java Client    | Task    | Testing     | Normal    | Fix DataPackage.insertRelationship() to handle any URI for external identifiers    | Chris Jones    | 2015-06-04 21:48 | d1_libclient_java |
| 7137 | Python GMN     | Task    | Testing     | Normal    | Add support for V2 urls  | Dave Vieglais  | 2016-03-25 01:27 |                   |
| 7138 | Python GMN     | Task    | Testing     | Normal    | Create new view functions  | 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 |
| 7686 | Member Nodes   | Task    | Testing     | High      | tDAR - Enable URL links out to data from search results                            | Ben Leinfelder | 2016-09-27 15:56 |                   |
| 8026 | Infrastructure | Task    | Testing     | High      | Portal reaches the maximum capacity in a pool                                      | Jing Tao       | 2017-03-14 00:36 | d1_portal_servlet |
| 907  | Infrastructure | Task    | In Progress | Normal    | unify d1_integration for multiple environments and test languages                  | Rob Nahf       | 2012-10-16 21:34 | d1_integration    |
| 1035 | Infrastructure | Task    | In Progress | Normal    | Develop reference architecture documents   | Bruce Wilson   | 2011-03-03 19:26 | Documentation     |
| 1047 | Infrastructure | Task    | In Progress | Normal    | Write Authentication system specification  | Matthew Jones  | 2014-10-01 20:47 |                   |
| 1048 | Infrastructure | Task    | In Progress | Normal    | Write authorization system specification   | Matthew Jones  | 2014-10-01 20:47 |                   |
| 1061 | Infrastructure | Task    | In Progress | Normal    | Identify approach to IdentityMapping   | Matthew Jones  | 2014-10-01 20:47 |                   |
| 1159 | Infrastructure | Task    | In Progress | Normal    | Add description of Group creation and management to design specs.                  | Matthew Jones  | 2014-10-01 20:47 |                   |
| 1467 | Infrastructure | Task    | In Progress | Normal    | Complete d1_schema changes for Authz and Authn.                                    | Matthew Jones  | 2014-10-01 20:47 | Documentation     |
| 1479 | CN REST        | Task    | In Progress | Normal    | Design web UI for validating newly created identities                              | Ben Leinfelder | 2015-01-19 22:59 |                   |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee          | Updated          | Category               |
|------|----------------|---------|-------------|----------|--|-------------------|------------------|------------------------|
| 1556 | Infrastructure | Task    | In Progress | High     | Interns mailing list   |                   | 2011-05-12 23:02 |                        |
| 2169 | Infrastructure | Task    | In Progress | Normal   | Design content and layout for status page                                | Dave Vieglais     | 2012-03-14 20:40 | d1_monitor             |
| 2585 | Infrastructure | Task    | In Progress | Normal   | Update Use Case 09   | Skye Roseboom     | 2014-09-11 15:47 | d1_replication         |
| 2642 | Infrastructure | Task    | In Progress | Normal   | Try installing GMN according to the setup instructions                   | Andrew Pippin     | 2012-07-06 16:25 | d1_mn_GMN              |
| 2827 | Infrastructure | Task    | In Progress | Normal   | nesting groups requires schema change*                                   | Dave Vieglais     | 2015-06-25 22:00 | d1_schemas             |
| 2956 | Infrastructure | Task    | In Progress | Normal   | content-checking tests for MNs entering an environment                   | Rob Nahf          | 2014-10-01 22:04 | d1_integration         |
| 3046 | Infrastructure | Task    | In Progress | Normal   | Create utility to update ORE maps with invalid date formats              | Ben Leinfelder    | 2012-08-14 23:41 |                        |
| 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      |
| 3109 | Infrastructure | Task    | In Progress | Normal   | PISCO/LTER revision history with SBC documents                           | Ben Leinfelder    | 2012-07-31 01:34 |                        |
| 3114 | Infrastructure | Task    | In Progress | Normal   | Release D1_CLIENT_CLI and prepare for version 2                          | Andrew Pippin     | 2012-08-02 17:27 |                        |
| 3185 | Member Nodes   | Task    | In Progress | Normal   | Make initial contact with FRAMES for participation as a MN               | Dave Vieglais     | 2012-09-05 02:12 |                        |
| 3220 | Member Nodes   | Task    | In Progress | Normal   | contact iEcolab to determine possible MN role                            | Ben Leinfelder    | 2013-10-01 17:53 |                        |
| 3332 | Infrastructure | Task    | In Progress | Normal   | Revise use cases and add sample code                                     | Dave Vieglais     | 2014-09-24 18:27 | Documentation          |
| 3419 | Infrastructure | Task    | In Progress | Normal   | CNRead.describe() does not return Content-Length header                  | Chris Jones       | 2013-02-21 18:41 | Metacat                |
| 3610 | Infrastructure | Task    | In Progress | Normal   | Include ESRI-specific FGDC metadata schema in object format list         | Chris Jones       | 2013-07-03 00:23 | Environment.Production |
| 3721 | Java Client    | Task    | In Progress | Normal   | add resource map validation routine to libclient_java                    | Rob Nahf          | 2015-02-11 20:42 | d1_libclient_java      |
| 3864 | Infrastructure | Task    | In Progress | Normal   | Release CCI 1.2.1 Features   | Chris Jones       | 2013-09-12 20:04 | Environment.Production |
| 3868 | Member Nodes   | Task    | In Progress | Normal   | Verify TFRI node is running NTP  | Ben Leinfelder    | 2013-08-05 17:25 |                        |
| 3905 | Infrastructure | Task    | In Progress | Normal   | Sort out shell logins for splunk system                                  | Bruce Wilson      | 2013-08-23 13:27 | Support Operations     |
| 3978 | Infrastructure | Task    | In Progress | Normal   | Add a CN reporting script that summarizes spatial data for the dashboard | Chris Jones       | 2014-03-31 17:41 | d1_dashboard           |
| 4045 | Member Nodes   | Task    | In Progress | Normal   | Conversation with Laura/Mike re USGS ScienceBase planning                | Laura Moyers      | 2014-05-30 19:45 |                        |
| 4046 | Member Nodes   | Task    | In Progress | Normal   | Laura to check with Mike re USGS-NWRC planning                           | Laura Moyers      | 2013-11-03 21:43 |                        |
| 4053 | Infrastructure | Task    | In Progress | Normal   | Architect OPeNDAP MN   | Dave Vieglais     | 2013-10-06 20:11 | mn.OPeNDAP             |
| 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 |                        |
| 4136 | Infrastructure | Task    | In Progress | Normal   | Make cosmetic changes to the distribution map                            | Chris Jones       | 2014-03-31 17:41 | d1_dashboard           |
| 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            |
| 4189 | Infrastructure | Task    | In Progress | Normal   | Update dataoneErrors.xsd to match the documentation                      | Dave Vieglais     | 2017-01-14 00:24 | d1_schemas             |
| 4192 | Infrastructure | Task    | In Progress | Normal   | Notify MN implementations of the discrepancy in exception definition     | Dave Vieglais     | 2014-09-24 18:28 | Management             |
| 4246 | Infrastructure | Task    | In Progress | Normal   | Determine why cn-stage-ucsb-1 LDAP syncrepl is failing                   | Michael Campfield | 2014-10-31 17:42 | Environment.Stage1     |



| #    | Project          | Tracker | Status      | Priority | Subject   | Assignee            | Updated          | Category               |
|------|------------------|---------|-------------|----------|---|---------------------|------------------|------------------------|
| 4671 | Java Client      | Task    | In Progress | Normal   | suggest updating the following versions:  |                     | 2015-02-11 20:08 |                        |
| 4672 | Java Client      | Task    | In Progress | Normal   | mvn dependencies:analyse shows transitive dependencies:   |                     | 2015-02-11 20:08 |                        |
| 4714 | Infrastructure   | Task    | In Progress | Normal   | Refresh client certificate for MN urn:node:TFRI   | Chris Jones         | 2014-09-24 18:14 | Environment.Production |
| 4715 | Infrastructure   | Task    | In Progress | Normal   | Refresh client certificate for urn:node:CLOAKN  | Chris Jones         | 2014-09-24 18:14 |                        |
| 4716 | Infrastructure   | Task    | In Progress | Normal   | refresh client certificate for urn:node:DRYAD   | Chris Jones         | 2014-09-24 18:14 | Environment.Production |
| 4719 | Infrastructure   | Task    | In Progress | Normal   | Replace CN client certificate   | Chris Jones         | 2014-09-24 18:14 | Environment.Production |
| 5449 | Member Nodes     | Task    | In Progress | Normal   | Resolve resource map issues for LTER-Europe   | Chris Jones         | 2014-06-20 17:59 |                        |
| 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 |                        |
| 5455 | Member Nodes     | Task    | In Progress | Normal   | Contact Line Pouchard to re-open discussion about PURL as a potential MN                              | Bruce Wilson        | 2015-11-19 19:17 |                        |
| 6025 | Infrastructure   | Task    | In Progress | Normal   | Implement support for CCI v2.0 in Python stack  | Roger Dahl          | 2014-08-01 15:49 |                        |
| 6026 | Infrastructure   | Task    | In Progress | Normal   | d1_common CCI 2.0 support   | Roger Dahl          | 2014-08-01 15:49 | d1_common_python       |
| 6033 | Infrastructure   | Task    | In Progress | Normal   | d1_libclient_python CCI 2.0 support   | Roger Dahl          | 2014-08-11 16:22 | d1_libclient_python    |
| 6034 | Infrastructure   | Task    | In Progress | Normal   | d1_client_cli CCI 2.0 support   | Roger Dahl          | 2014-08-11 16:23 | d1_client_cli          |
| 6053 | Member Nodes     | Task    | In Progress | Normal   | Update science metadata files to include ORNL schema type   | Ranjeet Devarakonda | 2014-11-24 14:57 |                        |
| 6372 | Infrastructure   | Task    | In Progress | Normal   | rehabilitate ReplicationManager "unit" tests  | Rob Nahf            | 2016-06-22 16:53 | d1_replication         |
| 6375 | Infrastructure   | Task    | In Progress | Normal   | Refactor out dependency on a working CN   | Rob Nahf            | 2016-06-22 16:53 | d1_replication         |
| 6382 | Member Nodes     | Task    | In Progress | Normal   | ICMBIO: Determine feasibility   | Laura Moyers        | 2015-11-19 17:21 |                        |
| 6396 | Infrastructure   | Task    | In Progress | Normal   | embed jetty server in d1_integration to run WebTests locally  | Rob Nahf            | 2014-10-01 20:34 | MNWebChecker           |
| 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             |
| 6927 | Member Nodes     | Task    | In Progress | Normal   | R2R: Register any new object formats in all environments  | Roger Dahl          | 2017-01-19 01:16 |                        |
| 7102 | Member Nodes     | Task    | In Progress | Normal   | Create test server certificate for test.piscoweb.org  | Dave Vieglais       | 2015-05-14 18:28 |                        |
| 7148 | OGC-Slender Node | Task    | In Progress | Normal   | Determine formatId for science metadata   | Dave Vieglais       | 2015-09-22 16:27 |                        |
| 7181 | Python Libraries | Task    | In Progress | Normal   | add d1_libclient_python implementation  | Dave Vieglais       | 2016-04-21 22:37 | d1_libclient_python    |
| 7466 | Infrastructure   | Task    | In Progress | Normal   | Some objects not accessible on the CN via REST API  | Chris Jones         | 2015-11-05 16:11 | Metacat                |
| 7498 | Search UI        | Task    | In Progress | Normal   | Search UI deployments need to be automated  | Chris Jones         | 2015-11-21 00:36 | MetacatUI              |
| 7505 | Member Nodes     | Task    | In Progress | Normal   | Correct generous access policies  | Roger Dahl          | 2018-07-02 20:39 |                        |
| 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 |
| 7612 | Infrastructure   | Task    | In Progress | Normal   | Contact ORNLDAAC  | Laura Moyers        | 2016-02-11 18:02 | Environment.Production |
| 7890 | Infrastructure   | Task    | In Progress | Normal   | configure jenkins-ucsb-1 apache server to host ubuntu repositories                                    | Rob Nahf            | 2017-04-19 19:12 |                        |
| 7929 | Member Nodes     | Task    | In Progress | Normal   | Archive content for SEAD  |                     | 2016-11-09 17:11 |                        |

| #    | Project        | Tracker | Status      | Priority | Subject  | Assignee       | Updated          | Category            |
|------|----------------|---------|-------------|----------|--|----------------|------------------|---------------------|
| 7930 | Member Nodes   | Task    | In Progress | Normal   | verify obsolescence in tDAR sandbox  | Dave Vieglaiss | 2016-12-01 23:47 |                     |
| 7958 | Infrastructure | Task    | In Progress | Normal   | CN sometimes sends invalid submitSynchronizationFailed document to MN                  | Rob Nahf       | 2017-01-04 17:23 | d1_synchronization  |
| 8079 | Infrastructure | Task    | In Progress | Normal   | prototype durable task processing for d1_index_processor                               | Rob Nahf       | 2017-04-26 05:45 | d1_indexer          |
| 8080 | Infrastructure | Task    | In Progress | Normal   | ioslate queue creation logic from processing logic from the queue definition logic     | Rob Nahf       | 2017-05-09 22:55 | d1_indexer          |
| 8086 | Infrastructure | Task    | In Progress | Normal   | upgrade Spring dependencies  | Rob Nahf       | 2019-07-25 20:32 | d1_indexer          |
| 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  |
| 8378 | Member Nodes   | Task    | In Progress | Normal   | (OTS) replicate data   | Amy Forrester  | 2018-07-31 18:49 |                     |
| 8469 | CN REST        | Task    | In Progress | Normal   | evaluate if ORCID API will continue to work after 1.2 is deprecated                    | Jing Tao       | 2018-03-22 16:54 | d1_portal_servlet   |
| 8498 | Member Nodes   | Task    | In Progress | Normal   | SANParks metacat not responding to harvest requests                                    | Matthew Jones  | 2019-04-15 18:09 |                     |
| 8522 | Member Nodes   | Task    | In Progress | Normal   | CAFF: MN Communications  | Amy Forrester  | 2018-04-11 14:48 |                     |
| 8523 | Member Nodes   | Task    | In Progress | Normal   | CAFF: Technical Requirements & Design Planning   | Amy Forrester  | 2018-06-14 14:21 |                     |
| 8566 | Member Nodes   | Task    | In Progress | Normal   | Test Registration  | Rob Nahf       | 2019-04-16 17:17 |                     |
| 8633 | Member Nodes   | Task    | In Progress | Normal   | DAAC: Re-Training & Re-Deployment Planning   | Amy Forrester  | 2018-07-02 14:53 |                     |
| 8728 | Member Nodes   | Task    | In Progress | Normal   | Initial Communications (NCAR)  | Amy Forrester  | 2018-10-04 17:24 |                     |
| 8739 | Infrastructure | Task    | In Progress | Normal   | Attempting to set ulimit results in error on UCSB systems                              | Jing Tao       | 2018-11-08 15:10 | d1_process_daemon   |
| 8750 | Member Nodes   | Task    | In Progress | Normal   | reconnect eLTER MN to DataONE  | Roger Dahl     | 2018-11-28 16:59 |                     |
| 8775 | Infrastructure | Task    | In Progress | Normal   | Make taxonomic rank fields in Solr index non-case-sensitive                            | Bryce Mecum    | 2019-03-11 23:35 |                     |
| 8824 | Infrastructure | Task    | In Progress | High     | Install Apache 2.4.39 and disable TLSv1.3 on CNs                                       | Dave Vieglaiss | 2019-06-19 12:11 |                     |
| 5835 | Member Nodes   | Task    | Ready       | Normal   | GBIF: Local Testing  | Rob Nahf       | 2019-01-24 16:53 |                     |
| 817  | Infrastructure | Task    | New         | Low      | Integration testing: Make Java and Python stack return values equal for each function. | Roger Dahl     | 2012-10-08 18:47 |                     |
| 925  | Infrastructure | Task    | New         | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                        |                | 2011-10-31 20:32 | d1_client_ONEDrive  |
| 991  | Infrastructure | Task    | New         | Low      | implement HEAD /resolve/<guid>   |                | 2010-10-13 22:02 |                     |
| 995  | Infrastructure | Task    | New         | Normal   | implement JSON formatted OLLs  |                | 2010-10-25 16:45 |                     |
| 1001 | Infrastructure | Task    | New         | Normal   | Link documentation living with projects into ArchitectureDocs                          |                | 2010-10-21 14:55 |                     |
| 1073 | Infrastructure | Task    | New         | Normal   | Design client application authentication redirection approach                          | Matthew Jones  | 2014-10-01 20:47 | d1_identity_manager |
| 1225 | Infrastructure | Task    | New         | Normal   | Configure Hudson Metacat build   |                | 2011-01-13 14:41 | Metacat             |
| 1226 | Infrastructure | Task    | New         | Normal   | Verify that cn buildout is using the hudson generated Metacat war                      |                | 2011-01-13 14:57 | d1_cn_buildout      |
| 1227 | Infrastructure | Task    | New         | Normal   | configure Hudson to build Mercury for deployment to a CN                               | Dave Vieglaiss | 2011-01-13 15:16 | d1_mercury          |

| #    | Project        | Tracker | Status | Priority | Subject  | Assignee      | Updated          | Category      |
|------|----------------|---------|--------|----------|--|---------------|------------------|---------------|
| 1234 | Infrastructure | Task    | New    | Normal   | Record performance metrics for member nodes                  |               | 2011-01-15 02:52 |               |
| 1236 | Infrastructure | Task    | New    | Normal   | Highly variable response times from cn.dataone.org           |               | 2011-01-17 16:34 | d1_cn_service |
| 1331 | Infrastructure | Task    | New    | Normal   | Possibly combine MN_crud.create() and MN_crud.update()       |               | 2011-02-09 22:44 |               |
| 1332 | Infrastructure | Task    | New    | Normal   | Possibly remove MN_crud.update()                             |               | 2011-02-09 22:50 |               |
| 1333 | Infrastructure | Task    | New    | Normal   | traceInformation -> trace                                    |               | 2011-02-09 22:46 |               |
| 1334 | Infrastructure | Task    | New    | Normal   | Completely remove detailCode                                 |               | 2011-02-09 22:51 |               |
| 1335 | Infrastructure | Task    | New    | Normal   | Local caching of the d1 schema.                              |               | 2011-02-09 22:56 |               |
| 1339 | Infrastructure | Task    | New    | Normal   | "common" -> "base" or "foundation"                           |               | 2011-02-09 23:19 |               |
| 1411 | Infrastructure | Task    | New    | Normal   | Vendor Specific Extensions                                   |               | 2011-03-08 16:59 |               |
| 1412 | CN REST        | Task    | New    | Normal   | MN health check performed by CN                              | Robert Waltz  | 2015-01-19 23:06 |               |
| 1414 | Infrastructure | Task    | New    | Normal   | How to represent additional Node attributes.                 |               | 2011-03-09 06:16 |               |
| 1442 | DataONE API    | Task    | New    | Normal   | Identify monitoring and logging use cases and requirements   | Dave Vieglais | 2015-01-19 23:06 |               |
| 1443 | DataONE API    | Task    | New    | Normal   | Identify operational requirements for monitoring and logging | Dave Vieglais | 2015-01-19 23:06 |               |
| 1471 | Infrastructure | Task    | New    | Normal   | Define implicit curator role at Member Nodes.                | Matthew Jones | 2014-10-01 20:47 |               |
| 1472 | Infrastructure | Task    | New    | Normal   | Explain revocation policies via MN curator.                  | Matthew Jones | 2014-10-01 20:47 |               |
| 1473 | Infrastructure | Task    | New    | Normal   | Make default access policy explicit in Authz docs.           | Matthew Jones | 2014-10-01 20:47 |               |
| 1474 | Infrastructure | Task    | New    | Normal   | Design verification process for new accounts                 | Matthew Jones | 2014-10-01 20:47 |               |
| 1481 | Infrastructure | Task    | New    | Normal   | Clarify spec that groups can own objects                     | Matthew Jones | 2014-10-01 20:47 |               |
| 1482 | Infrastructure | Task    | New    | Normal   | Design mechanism to collapse two accounts into one           | Matthew Jones | 2014-10-01 20:47 |               |
| 1484 | Infrastructure | Task    | New    | Normal   | Decide on format for Principals                              | Matthew Jones | 2014-10-01 20:47 |               |
| 1485 | Infrastructure | Task    | New    | Normal   | Clean up authn requirements listing                          | Matthew Jones | 2014-10-01 20:47 |               |
| 1494 | Infrastructure | Task    | New    | Normal   | Create sequence diagrams for Authentication services.        | Matthew Jones | 2014-10-01 20:47 |               |

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