

## Issues

| #    | Project      | Tracker      | Status | Priority | Subject                                                                     | Assignee         | Updated          | Category |
|------|--------------|--------------|--------|----------|-----------------------------------------------------------------------------|------------------|------------------|----------|
| 7052 | Member Nodes | MNDeployment | New    | Low      | BaMBa - Brazilian Marine Biodiversity Database                              | Laura Moyers     | 2015-11-19 17:03 |          |
| 3480 | Member Nodes | MNDeployment | New    | Low      | Globe.gov                                                                   | Laura Moyers     | 2018-04-17 17:23 |          |
| 7758 | Member Nodes | MNDeployment | New    | Low      | Polar Rock Repository (PRR) at Ohio State                                   |                  | 2018-04-17 17:28 |          |
| 3258 | Member Nodes | MNDeployment | New    | Low      | CitSci.org MN                                                               | Bruce Wilson     | 2018-04-17 17:19 |          |
| 8009 | Member Nodes | MNDeployment | New    | Low      | Geometabolome                                                               | Laura Moyers     | 2018-04-17 17:22 |          |
| 3683 | Member Nodes | MNDeployment | New    | Low      | Purdue University Libraries                                                 |                  | 2018-04-17 17:30 |          |
| 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 |          |
| 6359 | Member Nodes | MNDeployment | New    | Low      | SiBBR                                                                       | Laura Moyers     | 2015-11-19 17:20 |          |
| 3680 | Member Nodes | MNDeployment | New    | Low      | Federal University of Pernambuco, Brazil                                    | Laura Moyers     | 2015-11-19 19:34 |          |
| 3684 | Member Nodes | MNDeployment | New    | Low      | Branner Earth Sciences Library - Stanford University                        | Laura Moyers     | 2015-11-19 19:04 |          |
| 3633 | Member Nodes | MNDeployment | New    | Low      | Bay Delta Member Node                                                       | Laura Moyers     | 2015-11-19 19:44 |          |
| 3176 | Member Nodes | MNDeployment | New    | Low      | QUT member node                                                             | Matthew Jones    | 2018-04-17 17:30 |          |
| 3241 | Member Nodes | MNDeployment | New    | Low      | ALA - Atlas of Living Australia member node                                 |                  | 2018-04-17 17:14 |          |
| 7163 | Member Nodes | MNDeployment | New    | Low      | UN Environmental Programme World Conservation Monitoring Centre (UNEP WCMC) | Bruce Wilson     | 2016-04-04 17:17 |          |
| 7549 | Member Nodes | MNDeployment | New    | Low      | COS - the Center for Open Science                                           | Laura Moyers     | 2018-04-17 17:20 |          |
| 3628 | Member Nodes | MNDeployment | New    | Low      | Harvard Filtered Push MN                                                    | William Michener | 2015-11-20 03:14 |          |
| 3690 | Member Nodes | MNDeployment | New    | Low      | Digital Library of Vertebrate Morphology, University of Texas               | Laura Moyers     | 2015-11-19 17:53 |          |
| 3520 | Member Nodes | MNDeployment | New    | Low      | ARCTOS Collaborative Collection Management Solution                         | Dave Vieglaiss   | 2018-04-17 17:18 |          |
| 3235 | Member Nodes | MNDeployment | New    | Low      | LITS - Long-Term Individual base Time Series project member node            |                  | 2018-04-17 17:23 |          |
| 7973 | Member Nodes | MNDeployment | New    | Low      | Alaska Energy Data Gateway                                                  | Amy Forrester    | 2018-04-17 17:21 |          |
| 3685 | Member Nodes | MNDeployment | New    | Low      | National SocioEnvironmental Synthesis Center                                | Laura Moyers     | 2015-11-19 17:58 |          |
| 7145 | Member Nodes | MNDeployment | New    | Low      | PlutoF                                                                      |                  | 2018-04-17 17:26 |          |
| 3691 | Member Nodes | MNDeployment | New    | Low      | National Institute for Amazon Research                                      |                  | 2018-04-17 17:25 |          |
| 7851 | Member Nodes | MNDeployment | New    | Low      | CESAB - Center for Synthesis and Analysis for Biodiversity                  | Laura Moyers     | 2018-04-17 17:19 |          |
| 3519 | Member Nodes | MNDeployment | New    | Low      | Prairie Research Institute                                                  | Dave Vieglaiss   | 2015-11-19 17:00 |          |
| 3240 | Member Nodes | MNDeployment | New    | Low      | AZGS - Arizona Geological Survey member node                                |                  | 2018-04-17 17:18 |          |
| 8259 | Member Nodes | MNDeployment | New    | Normal   | Neotoma Paleocology Database                                                | Amy Forrester    | 2018-04-09 21:14 |          |
| 8561 | Member Nodes | MNDeployment | New    | Normal   | PRISM Climate Data                                                          |                  | 2018-04-18 16:37 |          |

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| 7050 | Member Nodes          | MNDeployment | New    | Normal   | USDA ARS                                                                              |                  | 2015-04-17 17:27 |          |
| 8294 | Testing MN Management | MNDeployment | New    | Normal   | Test Node 2                                                                           |                  | 2018-02-08 15:28 |          |
| 6379 | Member Nodes          | MNDeployment | New    | Normal   | ICMBio                                                                                | Bruce Wilson     | 2015-11-19 17:21 |          |
| 3236 | Member Nodes          | MNDeployment | New    | Normal   | UCNRS member node                                                                     | Mark Schildhauer | 2013-01-30 20:59 |          |
| 8555 | Member Nodes          | MNDeployment | New    | Normal   | NGEE Arctic                                                                           |                  | 2018-04-18 16:27 |          |
| 3844 | Member Nodes          | MNDeployment | New    | Normal   | Oregon Explorer program at OSU                                                        | Laura Moyers     | 2015-11-19 17:22 |          |
| 8557 | Member Nodes          | MNDeployment | New    | Normal   | Physical Oceanography Distributed Active Archive Center                               |                  | 2018-04-18 16:32 |          |
| 8539 | Member Nodes          | MNDeployment | New    | Normal   | NASA Distributed Active Archive Center at National Snow & Ice Data Center (NASA DAAC) |                  | 2018-04-10 19:19 |          |
| 7512 | Member Nodes          | MNDeployment | New    | Normal   | ECOSCOPE - Network of Research Observatories on Biodiversity                          | Laura Moyers     | 2016-07-22 12:40 |          |
| 8563 | Member Nodes          | MNDeployment | New    | Normal   | Scripps Institute of Oceanography Explorer                                            |                  | 2018-04-18 16:40 |          |
| 3219 | Member Nodes          | MNDeployment | New    | Normal   | iEcolab member node                                                                   | Ben Leinfelder   | 2015-11-19 18:01 |          |
| 3239 | Member Nodes          | MNDeployment | New    | Normal   | "Nitrous Oxide emissions Network" member node                                         |                  | 2018-04-17 17:13 |          |
| 7924 | Member Nodes          | MNDeployment | New    | Normal   | LTER-Spain network                                                                    | Laura Moyers     | 2016-11-21 14:49 |          |
| 3211 | Member Nodes          | MNDeployment | New    | Normal   | Taiwan Ecological Research Network member node                                        | Ben Leinfelder   | 2014-02-20 21:58 |          |
| 5457 | Member Nodes          | MNDeployment | New    | Normal   | NSIDC- National Snow and Ice Data Center                                              | Bruce Wilson     | 2018-04-10 19:12 |          |
| 8550 | Member Nodes          | MNDeployment | New    | Normal   | ESGF - Earth System Grid Federation                                                   |                  | 2018-04-17 19:58 |          |
| 8552 | Member Nodes          | MNDeployment | New    | Normal   | GLCF - Global Land Cover Facility                                                     |                  | 2018-04-17 20:01 |          |
| 8562 | Member Nodes          | MNDeployment | New    | Normal   | PSD Climate and Weather Data                                                          |                  | 2018-04-18 16:39 |          |
| 8462 | Testing MN Management | MNDeployment | New    | Normal   | Test MN ticket                                                                        |                  | 2018-03-01 20:57 |          |
| 7552 | Member Nodes          | MNDeployment | New    | Normal   | iDigBio - Integrated Digitized Biocollections                                         | Laura Moyers     | 2016-01-05 23:45 |          |
| 8030 | Member Nodes          | MNDeployment | New    | Normal   | UCAR Research Data Archive                                                            | Laura Moyers     | 2018-04-16 17:39 |          |
| 8551 | Member Nodes          | MNDeployment | New    | Normal   | Forest Service Research Data Archive                                                  |                  | 2018-04-17 20:00 |          |
| 8558 | Member Nodes          | MNDeployment | New    | Normal   | PDC - Polar Data Catalogue                                                            |                  | 2018-04-18 16:33 |          |
| 8554 | Member Nodes          | MNDeployment | New    | Normal   | SEDAC - NASA Socioeconomic Data and Applications Center                               |                  | 2018-04-17 20:05 |          |
| 8549 | Member Nodes          | MNDeployment | New    | Normal   | Earth Resources Observation and Science Center                                        |                  | 2018-04-17 19:55 |          |
| 8188 | Member Nodes          | MNDeployment | New    | Normal   | Ag Data Commons                                                                       | Rebecca Koskela  | 2017-09-22 23:06 |          |
| 3681 | Member Nodes          | MNDeployment | New    | Normal   | EPA's Atlantic Ecology Division                                                       | Laura Moyers     | 2016-06-23 00:10 |          |
| 4296 | Member Nodes          | MNDeployment | New    | Normal   | Sierra Nevada Global Change Observatory Member Node                                   | Laura Moyers     | 2017-01-30 17:01 |          |

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| 7551 | Member Nodes          | MNDeployment | New         | Normal   | FAO - Food and Agriculture Organization of the UN                                       | Laura Moyers   | 2015-12-15 15:08 |          |
| 8553 | Member Nodes          | MNDeployment | New         | Normal   | MVCO - Martha's Vineyard Coastal Observatory                                            |                | 2018-04-17 20:03 |          |
| 8556 | Member Nodes          | MNDeployment | New         | Normal   | OAFlux (WHOI)                                                                           |                | 2018-04-18 16:30 |          |
| 8559 | Member Nodes          | MNDeployment | New         | Normal   | PMM - Precipitation Measurement Missions                                                |                | 2018-04-18 16:35 |          |
| 8548 | Member Nodes          | MNDeployment | New         | Normal   | Earthdata powered by EOSDIS                                                             |                | 2018-04-17 19:51 |          |
| 8560 | Member Nodes          | MNDeployment | New         | Normal   | PPS - Precipitation Processing System                                                   |                | 2018-04-18 16:36 |          |
| 7553 | Member Nodes          | MNDeployment | New         | Normal   | OOI - Ocean Observatories Initiative                                                    | Laura Moyers   | 2018-01-25 17:51 |          |
| 8461 | Testing MN Management | MNDeployment | New         | Normal   | MEOW - Monitoring Ecosystems & Oceans in Wales                                          |                | 2018-03-22 20:45 |          |
| 3664 | Member Nodes          | MNDeployment | New         | High     | Landcare Research New Zealand                                                           | Laura Moyers   | 2015-11-19 19:39 |          |
| 6853 | Member Nodes          | MNDeployment | New         | High     | OBIS (Ocean Biogeographic Information System)                                           | Laura Moyers   | 2015-11-19 17:46 |          |
| 7296 | Member Nodes          | MNDeployment | Planning    | Normal   | GCOOS                                                                                   | Monica Ihli    | 2018-04-16 15:53 |          |
| 8254 | Member Nodes          | MNDeployment | Planning    | Normal   | ABDS - Arctic Biodiversity Data Service (CAFF)                                          | Amy Forrester  | 2019-09-17 14:31 |          |
| 7865 | Member Nodes          | MNDeployment | Planning    | Normal   | Hydroshare (CUAHSI)                                                                     | John Evans     | 2019-09-17 14:33 |          |
| 3230 | Member Nodes          | MNDeployment | Planning    | Normal   | ARM - Atmospheric Radiation Measurement member node                                     | John Evans     | 2019-11-25 20:10 |          |
| 8839 | Member Nodes          | MNDeployment | Planning    | Normal   | CMU KiltHub via Figshare                                                                | Roger Dahl     | 2019-09-24 17:48 |          |
| 4730 | Member Nodes          | MNDeployment | Testing     | Normal   | Global Biodiversity Information Facility                                                | Dave Vieglaiss | 2018-09-26 19:45 |          |
| 3234 | Member Nodes          | MNDeployment | Testing     | Normal   | CyVerse (iPlant) member node                                                            | Rob Nahf       | 2019-03-05 18:36 |          |
| 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 |          |
| 8721 | Member Nodes          | MNDeployment | Operational | Normal   | IEDA_US Antarctic Program Data Center (Interdisciplinary Earth Data Alliance)           | Dave Vieglaiss | 2019-05-14 13:46 |          |
| 3557 | Member Nodes          | MNDeployment | Operational | Normal   | LTER Network                                                                            | Roger Dahl     | 2018-09-25 17:17 |          |
| 7895 | Member Nodes          | MNDeployment | Operational | Normal   | Pangaea                                                                                 | Monica Ihli    | 2018-12-04 14:58 |          |
| 3213 | Member Nodes          | MNDeployment | Operational | Normal   | University of Illinois, Chicago member node                                             | Jing Tao       | 2020-01-23 22:42 |          |
| 7629 | Member Nodes          | MNDeployment | Operational | Normal   | Arctic Data Center - Data and Software about the Arctic                                 | Matthew Jones  | 2018-01-10 17:53 |          |
| 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 |          |
| 7969 | Member Nodes          | MNDeployment | Operational | Normal   | FEMC (Forest Ecosystem Monitoring Cooperative) - was VMC Vermont Monitoring Cooperative | Monica Ihli    | 2019-08-27 17:22 |          |
| 3529 | Member Nodes          | MNDeployment | Operational | Normal   | Replication instance at ORC                                                             | Dave Vieglaiss | 2018-08-31 15:21 |          |
| 8186 | Member Nodes          | MNDeployment | Operational | Normal   | ESS-DIVE, including CDIAC                                                               | Matthew Jones  | 2018-12-04 14:57 |          |

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| 3530 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UCSB                                            | Dave Vieglaiss | 2018-08-31 15:22 |          |
| 3201 | Member Nodes | MNDeployment | Operational | Normal   | Taiwan Forestry Research Institute                                      | Amy Forrester  | 2019-10-08 15:26 |          |
| 3687 | Member Nodes | MNDeployment | Operational | Normal   | Montana State University Institute on Ecosystems                        | Amy Forrester  | 2019-10-08 15:29 |          |
| 8704 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_Marine-Geo Digital Library (Interdisciplinary Earth Data Alliance) | Dave Vieglaiss | 2019-05-14 13:47 |          |
| 3560 | Member Nodes | MNDeployment | Operational | Normal   | Cornell Lab of Ornithology eBird                                        | Laura Moyers   | 2018-08-06 21:12 |          |
| 6957 | Member Nodes | MNDeployment | Operational | Normal   | NRDC - Nevada Research Data Center                                      | Amy Forrester  | 2019-10-08 18:39 |          |
| 8544 | Member Nodes | MNDeployment | Operational | Normal   | Chinese Ecosystem Research Network                                      | Amy Forrester  | 2018-12-04 14:56 |          |
| 6401 | Member Nodes | MNDeployment | Operational | Normal   | NM EPSCoR                                                               | Roger Dahl     | 2019-03-05 18:13 |          |
| 3531 | Member Nodes | MNDeployment | Operational | Normal   | Gulf of Alaska Data Portal                                              | Laura Moyers   | 2018-05-15 17:40 |          |
| 3748 | Member Nodes | MNDeployment | Operational | Normal   | PPBIO Member Node                                                       | Jing Tao       | 2018-08-31 15:20 |          |
| 6674 | Member Nodes | MNDeployment | Operational | Normal   | OTS - Neotropical Data Center                                           | Jing Tao       | 2019-06-10 13:03 |          |
| 8772 | Member Nodes | MNDeployment | Operational | Normal   | metaGRIL                                                                | Jing Tao       | 2019-10-08 17:16 |          |
| 3172 | Member Nodes | MNDeployment | Operational | Normal   | Replication instance at UNM                                             | Dave Vieglaiss | 2018-08-31 15:22 |          |
| 3559 | Member Nodes | MNDeployment | Operational | Normal   | ONEShare                                                                | Amy Forrester  | 2019-09-03 16:40 |          |
| 3228 | Member Nodes | MNDeployment | Operational | Normal   | NCEI - National Centers for Environmental Information                   | Dave Vieglaiss | 2019-07-08 16:28 |          |
| 7956 | Member Nodes | MNDeployment | Operational | Normal   | Environmental Data Initiative (EDI)                                     | Laura Moyers   | 2018-11-13 19:14 |          |
| 5451 | Member Nodes | MNDeployment | Operational | Normal   | Cary Institute (via Figshare)                                           | Monica Ihli    | 2019-04-17 21:39 |          |
| 8035 | Member Nodes | MNDeployment | Operational | Normal   | IEDA_EarthChem Library (Interdisciplinary Earth Data Alliance)          | Dave Vieglaiss | 2019-05-06 14:25 |          |
| 4700 | Member Nodes | MNDeployment | Operational | Normal   | IARC (International Arctic Research Center) Data Archive                | Amy Forrester  | 2019-10-08 15:20 |          |
| 6708 | Member Nodes | MNDeployment | Operational | Normal   | NEON - National Ecological Observatory Network                          | Bruce Wilson   | 2019-06-06 19:52 |          |
| 3708 | Member Nodes | MNDeployment | Operational | Normal   | Minnesota Population Center                                             | Laura Moyers   | 2018-08-06 19:43 |          |
| 7842 | Member Nodes | MNDeployment | Operational | Normal   | Research Workspace                                                      | Roger Dahl     | 2018-08-14 17:05 |          |
| 6562 | Member Nodes | MNDeployment | Operational | Normal   | BCO-DMO                                                                 | Laura Moyers   | 2021-12-04 00:47 |          |
| 6548 | Member Nodes | MNDeployment | Operational | High     | R2R Repository                                                          | Monica Ihli    | 2018-07-26 13:49 |          |
| 6544 | Member Nodes | MNDeployment | Operational | High     | TERN Australia (powered by AEKOS)                                       | Bruce Wilson   | 2019-05-22 14:21 |          |
| 3558 | Member Nodes | MNDeployment | Operational | High     | CDL Merritt                                                             | Laura Moyers   | 2018-08-23 17:05 |          |
| 3556 | Member Nodes | MNDeployment | Operational | High     | ESA Data Registry                                                       | Amy Forrester  | 2019-10-08 15:28 |          |
| 6485 | Member Nodes | MNDeployment | Operational | High     | The Digital Archaeology Record (tDAR)                                   | Laura Moyers   | 2019-10-09 02:24 |          |
| 3232 | Member Nodes | MNDeployment | Operational | High     | LTER-EUROPE                                                             | Laura Moyers   | 2018-11-21 16:58 |          |
| 3554 | Member Nodes | MNDeployment | Operational | High     | KNB                                                                     | Jing Tao       | 2018-08-31 15:16 |          |
| 3555 | Member Nodes | MNDeployment | Operational | High     | SANParks                                                                | Laura Moyers   | 2018-05-09 21:19 |          |
| 3221 | Member Nodes | MNDeployment | Operational | High     | EDAC member node                                                        | Amy Forrester  | 2018-08-31 15:15 |          |

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| 3238 | Member Nodes | MNDeployment | Operational | High      | Idaho Northwest Knowledge Network member node                                                        | Amy Forrester   | 2019-10-08 15:14 |          |
| 3553 | Member Nodes | MNDeployment | Operational | High      | PISCO                                                                                                | Laura Moyers    | 2018-01-10 01:13 |          |
| 3118 | Member Nodes | MNDeployment | Operational | Urgent    | Dryad Member Node                                                                                    | Laura Moyers    | 2019-03-05 18:37 |          |
| 3521 | Member Nodes | MNDeployment | Operational | Immediate | SEAD Member Node                                                                                     | Laura Moyers    | 2019-06-05 17:46 |          |
| 7048 | Member Nodes | MNDeployment | Deferred    | Low       | USGS Regional Climate Centers                                                                        | Laura Moyers    | 2016-06-17 19:32 |          |
| 7962 | Member Nodes | MNDeployment | Deferred    | Low       | Alaska EPSCoR                                                                                        | Rebecca Koskela | 2018-04-13 18:28 |          |
| 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 Vieglaiss  | 2017-01-31 14:54 |          |
| 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 |          |
| 5453 | Member Nodes | MNDeployment | Deferred    | Normal    | Dataverse                                                                                            | Laura Moyers    | 2018-07-24 16:41 |          |
| 3203 | Member Nodes | MNDeployment | Deferred    | Normal    | PELD member node                                                                                     | Matthew Jones   | 2016-06-17 19:32 |          |
| 4083 | Member Nodes | MNDeployment | Deferred    | Normal    | Forest Research Institute Malaysia (FRIM)                                                            | Laura Moyers    | 2016-06-17 19:31 |          |
| 7757 | Member Nodes | MNDeployment | Deferred    | Normal    | GINA - Geographic Information Network of Alaska                                                      | Roger Dahl      | 2018-08-31 15:22 |          |
| 3964 | Member Nodes | MNDeployment | Deferred    | Normal    | EU BON Member Node                                                                                   | Bruce Wilson    | 2016-10-24 20:49 |          |
| 3689 | Member Nodes | MNDeployment | Deferred    | Normal    | University of South Carolina, Computer Science Department                                            |                 | 2018-08-31 15:26 |          |
| 3686 | Member Nodes | MNDeployment | Deferred    | Normal    | Movebank for Animal Tracking Data                                                                    | Laura Moyers    | 2013-12-05 19:31 |          |
| 4115 | Member Nodes | MNDeployment | Deferred    | Normal    | UTK Institutional Repository                                                                         |                 | 2018-04-17 17:32 |          |
| 374  | Requirements | Requirement  | New         | Low       | (Requirement) Periodic Reporting to Sponsor                                                          |                 | 2010-03-16 18:11 |          |
| 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 |          |
| 337  | Requirements | Requirement  | New         | Low       | (Requirement) Deploy three coordinating nodes                                                        |                 | 2010-03-17 15:14 |          |
| 581  | Requirements | Requirement  | New         | Low       | (Requirement) System supports multiple types of science metadata                                     |                 | 2010-04-20 20:45 |          |
| 468  | Requirements | Requirement  | New         | Low       | (Requirement) Design the cyberinfrastructure for the project.                                        |                 | 2010-03-25 16:51 |          |
| 383  | Requirements | Requirement  | New         | Low       | (Requirement) System supports data storage                                                           |                 | 2010-03-16 21:35 |          |
| 580  | Requirements | Requirement  | New         | Low       | (Requirement) All software developed on the project should be open source                            | Dave Vieglaiss  | 2010-04-15 22:57 |          |

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| 431 | Requirements | Requirement | New    | Low      | (Requirement) Software developed for infrastructure should be implemented according to specifications |              | 2010-03-25 14:44 |                |
| 389 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on the ORNL DAAC                                          |              | 2010-03-25 14:46 |                |
| 632 | Requirements | Requirement | New    | Low      | (Requirement) Monitor the DataONE infrastructure                                                      |              | 2010-05-28 20:10 |                |
| 388 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on Dryad                                                  |              | 2010-03-24 13:36 |                |
| 412 | Requirements | Requirement | New    | Low      | (Requirement) Identifiers always refer to the same object                                             |              | 2010-03-25 15:41 |                |
| 386 | Requirements | Requirement | New    | Low      | (Requirement) Deploy at least three Member Nodes                                                      |              | 2010-03-17 13:39 |                |
| 410 | Requirements | Requirement | New    | Low      | (Requirement) The infrastructure must support long term preservation of Data                          |              | 2010-03-25 15:41 |                |
| 409 | Requirements | Requirement | New    | Low      | (Requirement) Develop a reference implementation of the Member Node stack                             |              | 2010-03-25 13:57 |                |
| 385 | Requirements | Requirement | New    | Low      | (Requirement) Support arbitrary unique identifiers                                                    |              | 2010-03-16 22:09 |                |
| 433 | Requirements | Requirement | New    | Low      | (Requirement) Data and metadata is replicated to at least one other member node                       |              | 2010-03-25 03:11 |                |
| 408 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Coordinating Node software stack                                            |              | 2010-03-25 15:44 |                |
| 371 | Requirements | Requirement | New    | Low      | (Requirement) Provide a suite of collaboration tools and instruction on how to use them               |              | 2010-03-16 20:06 |                |
| 387 | Requirements | Requirement | New    | Low      | (Requirement) Implement a Member Node based on Metacat                                                |              | 2010-10-06 22:00 |                |
| 339 | Requirements | Requirement | New    | Low      | (Requirement) Web presence to provide publicly accessible information about the project               |              | 2010-03-16 17:36 |                |
| 822 | Requirements | Requirement | New    | High     | (Requirement) Object access and manipulation should be responsive                                     | Dave Viegla  | 2010-09-06 20:27 | d1_common_java |
| 390 | Requirements | Requirement | New    | High     | (Requirement) Consistent mechanism for identifying users                                              | Dave Viegla  | 2010-09-06 20:50 | Requirement    |
| 821 | Requirements | Requirement | New    | High     | (Requirement) Sponsor required functionality                                                          | Dave Viegla  | 2010-09-06 03:28 | d1_common_java |
| 391 | Requirements | Requirement | New    | High     | (Requirement) Enable different classes of users commensurate with their roles.                        | Dave Viegla  | 2010-09-06 20:51 | Requirement    |
| 592 | Requirements | Requirement | New    | High     | DataONE needs to synchronize metadata between MNs and CNs                                             | Robert Waltz | 2010-09-06 02:28 | d1_cn_service  |
| 820 | Requirements | Requirement | New    | High     | (Requirement) Common API for authentication and authorization operations                              | Dave Viegla  | 2010-09-06 21:23 | Requirement    |
| 777 | Requirements | Requirement | New    | High     | (Requirement) Authorization rules should support common permission levels                             | Dave Viegla  | 2010-09-06 20:49 | Requirement    |
| 795 | Requirements | Requirement | New    | High     | (Requirement) System must support revocation of user permissions                                      | Dave Viegla  | 2010-08-29 20:45 | Requirement    |
| 411 | Requirements | Requirement | New    | High     | (Requirement) The infrastructure must survive destruction of one or more data storage nodes           | Dave Viegla  | 2010-09-06 03:10 | d1_common_java |

| #    | Project        | Tracker     | Status      | Priority | Subject                                                                                                                                              | Assignee       | Updated          | Category                |
|------|----------------|-------------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------|
| 772  | Requirements   | Requirement | New         | High     | (Requirement) Authentication services should be compatible with existing infrastructure and applications                                             | Dave Vieglaiss | 2010-08-11 07:54 | 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             |
| 318  | Requirements   | Requirement | New         | High     | (Requirement) Sponsor required Y1 functionality                                                                                                      | Dave Vieglaiss | 2010-09-06 03:24 | d1_common_java          |
| 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             |
| 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             |
| 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             |
| 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             |
| 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             |
| 765  | Requirements   | Requirement | New         | High     | (Requirement) Tools can access an API for authn and authz                                                                                            | Dave Vieglaiss | 2010-09-06 20:30 | Requirement             |
| 764  | Requirements   | Requirement | New         | High     | (Requirement) Authentication and access control should be consistently available                                                                     | Dave Vieglaiss | 2010-09-06 20:32 | Requirement             |
| 393  | Requirements   | Requirement | New         | High     | (Requirement) Access control rule evaluation must be highly scalable and responsive.                                                                 | Dave Vieglaiss | 2010-09-06 20:27 | Requirement             |
| 763  | Requirements   | Requirement | New         | High     | (Requirement) Authentication and authorization services are geographically replicated                                                                | Dave Vieglaiss | 2010-09-06 20:52 | Requirement             |
| 384  | Requirements   | Requirement | New         | High     | (Requirement) Enable efficient mechanisms for users to discover content                                                                              | Dave Vieglaiss | 2010-09-06 03:58 | d1_common_java          |
| 762  | Requirements   | Requirement | New         | High     | (Requirement) User identities can be derived from existing institutional directory services                                                          | Dave Vieglaiss | 2010-09-06 03:01 | Requirement             |
| 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             |
| 392  | Requirements   | Requirement | New         | High     | (Requirement) Identity and access control should be interoperable across datanets                                                                    | Dave Vieglaiss | 2010-09-06 20:31 | Requirement             |
| 317  | Requirements   | Requirement | In Progress | Low      | (Requirement) Identifiers for all objects                                                                                                            | Dave Vieglaiss | 2010-03-15 22:12 |                         |
| 6067 | Infrastructure | Decision    | New         | Normal   | Should we configure Dependency Analyzer Plugin in Jenkins?                                                                                           | Robert Waltz   | 2014-08-22 03:58 | Environment.Development |
| 6392 | Infrastructure | Decision    | New         | Normal   | CN getChecksum REST API design review                                                                                                                | Dave Vieglaiss | 2014-09-18 17:09 | Requirement             |
| 8616 | Infrastructure | Decision    | New         | Normal   | Consider expanding isotc211's indexing component's keyword XPath to cover topicCategories                                                            |                | 2018-06-15 00:13 |                         |

| #    | Project        | Tracker  | Status      | Priority | Subject                                                                                                                                                              | Assignee       | Updated          | Category               |
|------|----------------|----------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|------------------------|
| 8601 | Infrastructure | Decision | New         | Normal   | Decide on a URI space for DataONE resources                                                                                                                          |                | 2018-07-18 21:42 |                        |
| 8774 | Infrastructure | Decision | New         | Normal   | Add new CN format for MPEG-2 or update video/mpeg format to cover MPEG-2                                                                                             |                | 2019-03-08 16:03 |                        |
| 3099 | Infrastructure | Decision | New         | Normal   | ONE-Mercury display of data set citation                                                                                                                             | Dave Vieglaiss | 2012-07-23 21:24 | d1_mercury             |
| 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 |                        |
| 8693 | Infrastructure | Decision | In Progress | Low      | Support Google Dataset Search on search.dataone.org via partial server side rendering                                                                                |                | 2019-06-06 23:53 |                        |
| 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 |
| 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 |                        |
| 8187 | Member Nodes   | Support  | New         | Normal   | EZID DOI resolvable URLs failing for 14 PISCO objects                                                                                                                |                | 2017-09-19 22:12 |                        |
| 3762 | Infrastructure | Feature  | New         | Low      | DataONE software download statistics                                                                                                                                 | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard           |
| 5322 | MN Dashboard   | Feature  | New         | Normal   | Add support for right, left keys on dashboard detail pages                                                                                                           | Skye Roseboom  | 2015-04-29 22:47 |                        |
| 6484 | MN Dashboard   | Feature  | New         | Normal   | Provide paging/scrolling on MN table                                                                                                                                 | Skye Roseboom  | 2015-04-29 22:47 |                        |
| 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 |                        |
| 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 |                        |
| 1873 | Infrastructure | Feature  | New         | Normal   | Postprocessing tool for log reporting                                                                                                                                |                | 2014-10-02 17:06 | d1_log_aggregation     |
| 5516 | MN Dashboard   | Feature  | New         | Normal   | Date formatting                                                                                                                                                      | Skye Roseboom  | 2015-04-29 22:48 |                        |
| 5515 | MN Dashboard   | Feature  | New         | Normal   | Add number of MNs to overview display                                                                                                                                | 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 |                        |
| 6499 | Infrastructure | Feature  | New         | Normal   | define and implement addFormat() method                                                                                                                              | Rob Nahf       | 2016-06-22 16:51 | Architecture Design    |
| 5145 | Infrastructure | Feature  | New         | Normal   | Consider including cert subject(s) in NotAuthorized exceptions                                                                                                       | Chris Jones    | 2014-09-25 17:44 | d1_cn_service          |
| 8780 | Infrastructure | Feature  | New         | Normal   | Develop support for DataCite 4.0 and 4.1 and 4.2                                                                                                                     | Dave Vieglaiss | 2019-03-30 20:38 | d1_indexer             |



| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                                       | Assignee        | Updated          | Category            |
|------|----------------|---------|-------------|----------|-------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|---------------------|
| 7032 | MN Dashboard   | Feature | New         | Normal   | Add anchor to the MN dashboard for "upcoming MNs"                                                                             | Skye Roseboom   | 2015-04-09 17:52 |                     |
| 8583 | DataONE API    | Feature | New         | Normal   | Provide some mechanism for diagnosing correctness of MN certificates                                                          | Dave Vieglaiss  | 2018-05-02 03:18 |                     |
| 4051 | Infrastructure | Feature | New         | Normal   | MN Stack supporting Fedora Commons                                                                                            |                 | 2014-10-02 21:39 | mn.Fedora           |
| 4038 | Infrastructure | Feature | New         | Normal   | change default replication implementation                                                                                     | Matthew Jones   | 2014-10-01 21:26 | d1_replication      |
| 8065 | Infrastructure | Feature | New         | Normal   | Add service to re-populate Hazelcast map for node attributes                                                                  |                 | 2018-01-09 19:10 |                     |
| 8184 | Infrastructure | Feature | New         | Normal   | a feature indicates to restart tomcat when hazelcast client died                                                              | Jing Tao        | 2017-09-14 19:14 | Metacat             |
| 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      |
| 8058 | Infrastructure | Feature | New         | Normal   | Allow "upcoming" nodes to appear in the node list                                                                             | Robert Waltz    | 2017-04-03 18:33 | d1_cn_service       |
| 8053 | Infrastructure | Feature | New         | Normal   | add funding award number to index                                                                                             | Peter Slaughter | 2019-03-04 19:36 | dataone-cn-index    |
| 8107 | Infrastructure | Feature | New         | Normal   | Improved Node Synchronization Feedback - Leveraging MNRead.synchronizationFailed()                                            |                 | 2017-06-27 16:46 | Architecture Design |
| 8210 | Infrastructure | Feature | New         | Normal   | Generate daily reports by member node of discrepancies between CN vs MN content                                               |                 | 2017-10-25 18:50 |                     |
| 7876 | Infrastructure | Feature | New         | Normal   | Create a new admin page for Metacat admins to register schemas                                                                | Jing Tao        | 2016-12-21 09:11 | Metacat             |
| 7312 | Java Client    | Feature | New         | Normal   | Restart connection manager                                                                                                    |                 | 2015-08-24 17:24 | d1_libclient_java   |
| 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       |
| 6497 | Python GMN     | Feature | In Progress | Normal   | V2 GMN Support                                                                                                                | Dave Vieglaiss  | 2016-03-25 01:27 |                     |
| 6369 | Java Client    | Feature | In Progress | Normal   | ResourceMapFactory.parseResourceMap does not return aggregated resources                                                      | Rob Nahf        | 2015-02-11 20:56 | d1_libclient_java   |
| 6854 | Infrastructure | Feature | In Progress | Normal   | add testAssumptionFailure to run listener                                                                                     | Rob Nahf        | 2016-01-26 22:30 | d1_integration      |
| 2540 | Infrastructure | Feature | In Progress | Normal   | add generateIdentifier() method to MNStorage API                                                                              | Dave Vieglaiss  | 2014-10-02 17:54 | Documentation       |
| 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             |
| 8822 | Infrastructure | Bug     | New         | Low      | Account queries in STAGE-2 failing from web browser                                                                           |                 | 2019-06-19 01:44 |                     |
| 4303 | Infrastructure | Bug     | New         | Low      | Fix potential bug where an object could be created and accepted for replication simultaneously.                               | Roger Dahl      | 2016-04-21 22:38 | d1_mn_GMN           |
| 4301 | Python GMN     | Bug     | New         | Low      | In the GMN integration tester, add test to check that Last-Modified, Content-Length and Content-Type fields are set correctly | Roger Dahl      | 2016-04-21 22:38 |                     |
| 4300 | Infrastructure | Bug     | New         | Low      | Create more appropriate "create" entry in the LogRecord for replicas                                                          | Roger Dahl      | 2016-04-21 22:38 | d1_mn_GMN           |

| #    | Project        | Tracker | Status | Priority | Subject                                                                                         | Assignee       | Updated          | Category              |
|------|----------------|---------|--------|----------|-------------------------------------------------------------------------------------------------|----------------|------------------|-----------------------|
| 7698 | Infrastructure | Bug     | New    | Low      | Exclude SLF4J jars in d1_solr_extensions.jar                                                    |                | 2016-03-28 16:22 | d1_cn_solr_extensions |
| 7684 | DataONE API    | Bug     | New    | Low      | Call to MNStorage.update() via REST API returns java.lang.StackOverflowError                    |                | 2016-03-21 23:07 |                       |
| 8642 | Infrastructure | Bug     | New    | Normal   | Replication tasks apparently not deleted from backing store in a timely fashion                 | Dave Vieglaiss | 2018-07-05 12:11 | d1_replication        |
| 8698 | CN REST        | Bug     | New    | Normal   | CN Performance degradation                                                                      |                | 2018-09-13 21:05 | d1_cn_rest            |
| 8686 | Infrastructure | Bug     | New    | Normal   | d1-index-task-processor failed with NPE                                                         | Rob Nahf       | 2018-08-24 01:35 | d1_indexer            |
| 8866 | Infrastructure | Bug     | New    | Normal   | Java client tools should set a custom user agent string                                         |                | 2020-07-15 22:43 |                       |
| 7178 | Infrastructure | Bug     | New    | Normal   | duplicate replica information on mn-demo-5                                                      | Robert Waltz   | 2015-07-01 20:14 | d1_replication        |
| 6041 | Infrastructure | Bug     | New    | Normal   | obsoletedBy field serialized with newline after pid                                             | Robert Waltz   | 2014-09-25 17:36 |                       |
| 6060 | Infrastructure | Bug     | New    | Normal   | dataone-cn-index install should fail if subtasks fail                                           | Robert Waltz   | 2016-08-10 20:58 | d1_cn_buildout        |
| 6011 | Infrastructure | Bug     | New    | Normal   | Synchronization fails from max_syncobjectqueue_size                                             | Robert Waltz   | 2016-01-05 17:52 | d1_synchronization    |
| 8361 | Infrastructure | Bug     | New    | Normal   | index processor throws unhandled NPE if task systemMetadata is null                             | Rob Nahf       | 2018-03-22 16:54 | d1_indexer            |
| 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    |
| 6615 | Infrastructure | Bug     | New    | Normal   | Apt-get doesn't work on mn-sandbox-unm-1                                                        |                | 2014-11-18 18:45 |                       |
| 6044 | Infrastructure | Bug     | New    | Normal   | Indexer needs port 5432 open to localhost during postinst                                       | Robert Waltz   | 2015-01-06 18:17 | d1_cn_buildout        |
| 6070 | Infrastructure | Bug     | New    | Normal   | CNs missing GOA objects                                                                         | Robert Waltz   | 2016-08-10 20:56 | d1_synchronization    |
| 5739 | CN REST        | Bug     | New    | Normal   | LDAP upgrades fail with purge of dataone-cn-os-core                                             | Robert Waltz   | 2015-01-19 23:05 |                       |
| 5582 | Infrastructure | Bug     | New    | Normal   | xinetd not supported via debian install                                                         | Robert Waltz   | 2014-10-02 19:27 | d1_cn_buildout        |
| 5321 | Infrastructure | Bug     | New    | Normal   | Multiple Hazelcast Client connections to same storage instance                                  | Robert Waltz   | 2016-08-10 20:58 | d1_process_daemon     |
| 8733 | CN REST        | Bug     | New    | Normal   | Exception handling in ForesiteResourceMap needs improvement                                     | Jing Tao       | 2018-10-12 20:09 | d1_cn_index_processor |
| 8783 | Infrastructure | Bug     | New    | Normal   | synchronization re-created 26k map entries in SyncQueueFacade.nodeIdRoundRobin                  | Rob Nahf       | 2019-04-02 20:10 | d1_synchronization    |
| 8724 | Infrastructure | Bug     | New    | Normal   | index out of bounds error in PortalCertificateManager                                           | Rob Nahf       | 2018-10-02 19:11 | d1_portal             |
| 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    |
| 8860 | CN REST        | Bug     | New    | Normal   | /token endpoint doesn't set a content-type and character encoding                               |                | 2020-02-29 01:00 | 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            |

| #    | Project        | Tracker | Status | Priority | Subject                                                                                                                      | Assignee       | Updated          | Category                |
|------|----------------|---------|--------|----------|------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------|
| 6542 | Infrastructure | Bug     | New    | Normal   | Unable to add metadata document on mndemo8                                                                                   |                | 2014-10-30 16:30 | Environment.Development |
| 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     |
| 8603 | Infrastructure | Bug     | New    | Normal   | log aggregation incorrectly assigning location information                                                                   | Dave Vieglaiss | 2018-06-07 20:52 | d1_log_aggregation      |
| 8821 | Infrastructure | Bug     | New    | Normal   | Object doi:10.18739/A2610VR7Z fails to index on CN                                                                           | Jing Tao       | 2019-06-19 00:06 |                         |
| 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      |
| 7291 | Python GMN     | Bug     | New    | Normal   | pypi distribution does not have all files                                                                                    | Roger Dahl     | 2016-04-14 14:57 |                         |
| 8228 | Infrastructure | Bug     | New    | Normal   | Excessive replicas requested by integration test                                                                             | Rob Nahf       | 2018-03-02 21:52 | d1_integration          |
| 8570 | Infrastructure | Bug     | New    | Normal   | index task not generated for a newly synchronized object                                                                     | Jing Tao       | 2018-04-20 20:51 | d1_indexer              |
| 8541 | Infrastructure | Bug     | New    | Normal   | index shutdown threw exception                                                                                               | Rob Nahf       | 2018-04-12 16:44 | d1_indexer              |
| 8043 | Infrastructure | Bug     | New    | Normal   | The origin field for EML documents isn't properly extracted when references are used                                         | Jing Tao       | 2019-02-12 18:45 | d1_indexer              |
| 4211 | Infrastructure | Bug     | New    | Normal   | Potential race condition between archive and replication                                                                     | Chris Jones    | 2014-09-25 17:19 | d1_cn_service           |
| 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          |
| 8815 | Infrastructure | Bug     | New    | Normal   | Investigate and fix failed sync/harvest of doi:10.18739/A2CH48                                                               |                | 2019-06-04 23:26 |                         |
| 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       |
| 8850 | Infrastructure | Bug     | New    | Normal   | v2.3.11 RdfXmlSubprocessor / HttpService.getDocumentBySeriesId can be wrong                                                  | Jing Tao       | 2019-11-06 18:32 | d1_indexer              |
| 6791 | Infrastructure | Bug     | New    | Normal   | Building d1_log_aggregation doesn't trigger downstream builds                                                                |                | 2015-01-31 00:32 | Support Operations      |
| 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 |                         |
| 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              |
| 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          |
| 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          |
| 8843 | Member Nodes   | Bug     | New    | Normal   | Server certificate is expired                                                                                                |                | 2019-10-08 15:14 |                         |
| 4067 | Infrastructure | Bug     | New    | Normal   | Validate Node stream in MultipartHttpServletRequest in register and updateNodeCapabilities.                                  | Robert Waltz   | 2016-08-10 21:01 | d1_cn_service           |

| #    | Project        | Tracker | Status | Priority | Subject                                                                                                                             | Assignee        | Updated          | Category            |
|------|----------------|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|---------------------|
| 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 |                     |
| 8740 | CN REST        | Bug     | New    | Normal   | CN resolve service returning 404 for some pids                                                                                      |                 | 2019-01-22 18:41 | cn_metacat          |
| 8844 | Member Nodes   | Bug     | New    | Normal   | Server certificate is expired                                                                                                       |                 | 2019-10-08 18:27 |                     |
| 6755 | Python CLI     | Bug     | New    | Normal   | python CLI install instructions fail                                                                                                | Roger Dahl      | 2018-01-09 02:44 |                     |
| 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             |
| 7688 | Infrastructure | Bug     | New    | Normal   | LogAggregation unable to change BaseURLs upon updateNodeCapabilities notification                                                   | Dave Vieglais   | 2018-01-02 12:02 | d1_log_aggregation  |
| 8379 | Infrastructure | Bug     | New    | Normal   | remove or improve AuthLdap.getGroups logging statement                                                                              | Jing Tao        | 2018-02-27 16:51 | Metacat             |
| 6765 | Java Client    | Bug     | New    | Normal   | jibx-maven-plugin incompatible with Java 8                                                                                          | Rob Nahf        | 2015-01-19 23:17 |                     |
| 8215 | Infrastructure | Bug     | New    | Normal   | Consider how Subjects are compared (e.g. HTTP vs. HTTPS ORCID URIs)                                                                 |                 | 2017-11-07 22:11 |                     |
| 8196 | Infrastructure | Bug     | New    | Normal   | Duplicated replicas in the system metadata                                                                                          | Jing Tao        | 2017-10-18 17:19 | d1_replication      |
| 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          |
| 8093 | Infrastructure | Bug     | New    | Normal   | resource map index processing is inefficient (2sec / referenced object)                                                             | Rob Nahf        | 2017-05-10 20:00 | d1_indexer          |
| 8161 | Infrastructure | Bug     | New    | Normal   | d1-processing Out of Memory Error                                                                                                   | Dave Vieglais   | 2018-02-20 16:19 | d1_process_daemon   |
| 8069 | Infrastructure | Bug     | New    | Normal   | Name from ORCID incorrectly parsed                                                                                                  | Ben Leinfelder  | 2017-04-12 20:28 | d1_portal_servlet   |
| 3700 | Infrastructure | Bug     | New    | Normal   | MNodeService.replicate will not request new object if existing on MN                                                                | Chris Jones     | 2015-01-06 19:43 | Metacat             |
| 8046 | Infrastructure | Bug     | New    | Normal   | Mutable Member Nodes orphan unhosted objects                                                                                        |                 | 2017-03-15 17:40 | Architecture Design |
| 8045 | Infrastructure | Bug     | New    | Normal   | certificateLocation not seeming to be utilized                                                                                      | Rob Nahf        | 2017-03-14 20:45 | d1_libclient_java   |
| 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 |                     |
| 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 |                     |
| 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  |
| 8052 | Infrastructure | Bug     | New    | Normal   | Geohashed value is incorrect                                                                                                        | Peter Slaughter | 2017-04-07 22:06 | d1_indexer          |
| 3658 | DataONE API    | Bug     | New    | Normal   | Deleting objects breaks obsoletes chain traversal                                                                                   | Chris Jones     | 2015-01-19 22:29 |                     |
| 4142 | Infrastructure | Bug     | New    | Normal   | dataone-cn-processdaemon prerm needs to be reconfiguration friendly                                                                 | Robert Waltz    | 2016-08-10 20:58 | d1_cn_buildout      |
| 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          |

| #    | Project          | Tracker | Status | Priority | Subject                                                                                                                                 | Assignee       | Updated          | Category             |
|------|------------------|---------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|----------------------|
| 7918 | CN REST          | Bug     | New    | Normal   | SEAD object only partially synchronized - missing autogen.2016092916012224122 document from /var/metacat/documents                      | Dave Vieglaiss | 2016-10-21 18:00 | cn_metacat           |
| 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   |
| 7825 | Infrastructure   | Bug     | New    | Normal   | Hazelcast service stops working after a while                                                                                           | Jing Tao       | 2016-06-07 18:53 | 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       |
| 7954 | Infrastructure   | Bug     | New    | Normal   | SyncFailedTask:submitSynchronizationFailed does not provide cert when connecting to MN                                                  | Roger Dahl     | 2017-04-19 18:55 | d1_synchronization   |
| 7759 | Python GMN       | Bug     | New    | Normal   | GMN docs refer to /portal for identity management                                                                                       | Roger Dahl     | 2017-03-28 16:45 |                      |
| 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 |                      |
| 7687 | CN REST          | Bug     | New    | Normal   | Synchronization unable to change BaseURLs upon updateNodeCapabilities notification                                                      | Rob Nahf       | 2016-07-22 19:22 | d1_synchronization   |
| 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   |
| 7699 | Infrastructure   | Bug     | New    | Normal   | alter scripts that backup postgresql db                                                                                                 |                | 2017-05-09 17:33 | dataone-cn-os-core   |
| 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  |
| 7578 | DataONE API      | Bug     | New    | Normal   | Fix 404 link to d1_instance_generator folder in documentation                                                                           |                | 2016-01-08 22:01 | api_documentation    |
| 7528 | DataONE API      | Bug     | New    | Normal   | Incorrect argument name documented for CNCORE.reserveldentifier                                                                         |                | 2015-12-08 19:51 | api_documentation    |
| 7440 | CN REST          | Bug     | New    | Normal   | Non-discernable error during synchronization affecting (mostly) urn:node:mnTestAEKOS - "Client is shutdown."                            |                | 2015-10-20 14:46 |                      |
| 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        |
| 7489 | CN REST          | Bug     | New    | Normal   | processing daemon common-logging misconfigured                                                                                          | Robert Waltz   | 2016-01-21 17:18 | d1_cn_process_daemon |
| 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       |
| 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  |
| 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 |                      |
| 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  |

| #    | Project        | Tracker | Status      | Priority | Subject                                                                                                     | Assignee       | Updated          | Category                |
|------|----------------|---------|-------------|----------|-------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------|
| 8867 | CN REST        | Bug     | New         | High     | CNCore.listChecksumAlgorithms() returns incorrect list                                                      | Jing Tao       | 2020-08-06 00:06 | d1_cn_rest              |
| 8722 | Infrastructure | Bug     | New         | High     | Object in search index but systemmetadata is not available.                                                 | Jing Tao       | 2018-10-03 17:48 |                         |
| 8655 | Infrastructure | Bug     | New         | High     | Synchronization died with OOM                                                                               |                | 2018-07-13 11:24 |                         |
| 8500 | Infrastructure | Bug     | New         | High     | Geohash not calculated properly                                                                             | Jing Tao       | 2018-03-14 17:06 | d1_indexer              |
| 8622 | Member Nodes   | Bug     | New         | High     | IOE repository is not responding                                                                            | Amy Forrester  | 2019-03-05 20:54 |                         |
| 8076 | Infrastructure | Bug     | New         | High     | sysmeta can not be retrieved for some objects                                                               | Dave Vieglaiss | 2017-04-22 01:54 | dataone-cn-rest-service |
| 3675 | Infrastructure | Bug     | New         | High     | package relationships not available for archived objects                                                    | Rob Nahf       | 2018-09-21 21:01 | d1_indexer              |
| 7919 | Infrastructure | Bug     | New         | High     | unloadable system metadata in CNs by Hazelcast                                                              |                | 2016-11-01 19:30 | Metacat                 |
| 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 |                         |
| 7738 | Python GMN     | Bug     | New         | High     | GMN perpetually retries system metadata updates after failures                                              | Roger Dahl     | 2016-04-14 14:26 |                         |
| 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 |                         |
| 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           |
| 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              |
| 6614 | Python GMN     | Bug     | In Progress | Normal   | GMN describe not returning DescribeResponse for IARC MN                                                     | Roger Dahl     | 2016-04-21 22:37 |                         |
| 6062 | Infrastructure | Bug     | In Progress | Normal   | Jenkins not cascading builds in trunk                                                                       | Robert Waltz   | 2016-08-10 20:56 | Environment.Development |
| 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       |
| 8735 | Infrastructure | Bug     | In Progress | Normal   | NPE in IndexTask causes indexing job to fail                                                                | Rob Nahf       | 2018-10-18 18:33 | d1_indexer              |
| 3122 | Infrastructure | Bug     | In Progress | Normal   | asterisk in search term                                                                                     | Skye Roseboom  | 2014-10-02 18:02 | d1_mercury              |
| 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      |
| 3047 | Infrastructure | Bug     | In Progress | Normal   | Metacat allows whitespace in Identifiers                                                                    | Ben Leinfelder | 2018-11-13 21:44 |                         |
| 6789 | Java Client    | Bug     | In Progress | Normal   | Read API calls to the CN are hanging                                                                        | Rob Nahf       | 2016-05-07 07:59 |                         |
| 8571 | Infrastructure | Bug     | In Progress | Normal   | IndexTool can't index a data object                                                                         | Jing Tao       | 2018-04-23 20:13 | d1_indexer              |
| 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 |
| 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      |
| 7967 | Infrastructure | Bug     | In Progress | Normal   | The CN is not following the xml schema definition when creating dataone exceptions                          | Dave Vieglaiss | 2018-05-23 18:13 | Architecture Design     |

| #    | Project          | Tracker | Status      | Priority | Subject                                                                                        | Assignee       | Updated          | Category                      |
|------|------------------|---------|-------------|----------|------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------------|
| 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 |                               |
| 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            |
| 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                    |
| 7570 | Infrastructure   | Bug     | In Progress | Normal   | Search UI requests cause Out of Memory Error                                                   | Jing Tao       | 2017-04-26 21:01 | d1_indexer                    |
| 7523 | Infrastructure   | Bug     | In Progress | Normal   | D1Client no longer updates stale NodeList                                                      | Rob Nahf       | 2016-04-19 22:27 | d1_libclient_java             |
| 8195 | Infrastructure   | Bug     | In Progress | High     | Tomcat out of memory error                                                                     | Dave Vieglaiss | 2017-12-26 20:01 |                               |
| 3492 | Infrastructure   | Bug     | In Progress | Urgent   | Invalid PIDs in production (whitespace)                                                        | Jing Tao       | 2017-04-27 15:31 | Support Operations            |
| 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             |
| 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             |
| 991  | Infrastructure   | Task    | New         | Low      | implement HEAD /resolve/<guid>                                                                 |                | 2010-10-13 22:02 |                               |
| 7162 | Python GMN       | Task    | New         | Low      | Member node does not check with coordinating node before replicating                           |                | 2015-06-05 23:49 |                               |
| 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 |                               |
| 1585 | Infrastructure   | Task    | New         | Low      | add exec-maven-plugin to trigger python integration tests at verify phase.                     | Rob Nahf       | 2012-10-16 21:32 |                               |
| 3333 | Infrastructure   | Task    | New         | Low      | Generalize mk_* scripts for host name                                                          | Dave Vieglaiss | 2012-10-11 18:50 | Support Operations            |
| 1559 | Java Client      | Task    | New         | Low      | Refactor d1_libclient_java echo tests                                                          | Rob Nahf       | 2015-02-11 19:49 | d1_libclient_java             |
| 3156 | Infrastructure   | Task    | New         | Low      | Design Review: resource map indexing strategy                                                  | Skye Roseboom  | 2012-08-27 18:51 | d1_indexer                    |
| 8723 | Member Nodes     | Task    | New         | Low      | tDAR: Implemented IP Whitelisting on tDAR systems / Impacts to reporting                       | Amy Forrester  | 2018-10-02 16:51 |                               |
| 3763 | Infrastructure   | Task    | New         | Low      | Visualize PyPI download statistics for Python components                                       | Roger Dahl     | 2014-10-01 21:32 | d1_dashboard                  |
| 2286 | Infrastructure   | Task    | New         | Low      | Change Exceptions.InvalidToken to Exceptions.InvalidSession                                    | Dave Vieglaiss | 2014-10-02 17:21 | Documentation                 |
| 2281 | Infrastructure   | Task    | New         | Low      | Possibly update the Identity Management and Authenticated Session Management doc               | Matthew Jones  | 2014-10-01 20:47 | Authentication, Authorization |
| 7821 | Python Libraries | Task    | New         | Low      | Verify Expect: 100-Continue header on POST or PUT requests                                     | Roger Dahl     | 2016-06-03 19:58 | d1_libclient_python           |
| 2147 | Infrastructure   | Task    | New         | Low      | The Python stack does not support Unicode supplementary characters (above 0xffff)              | Roger Dahl     | 2012-04-16 03:50 | d1_common_python              |

| #    | Project        | Tracker | Status | Priority | Subject                                                                                             | Assignee       | Updated          | Category            |
|------|----------------|---------|--------|----------|-----------------------------------------------------------------------------------------------------|----------------|------------------|---------------------|
| 3468 | Infrastructure | Task    | New    | Normal   | Explore how CN.listObject can effectively use auto-incremented key                                  | Ben Leinfelder | 2013-01-08 18:35 | Documentation       |
| 3467 | Infrastructure | Task    | New    | Normal   | MN.listObject should use auto-incremented key                                                       | Ben Leinfelder | 2013-01-08 18:31 | Metacat             |
| 2033 | Infrastructure | Task    | New    | Normal   | Document hardware / CN administrators and their contact info                                        | Dave Vieglaiss | 2014-09-24 18:29 | Management          |
| 3466 | Infrastructure | Task    | New    | Normal   | Add synthetic key to systemMetadata table                                                           | Ben Leinfelder | 2013-01-08 18:30 |                     |
| 3465 | Infrastructure | Task    | New    | Normal   | Improve Metacat listObject slicing                                                                  | Ben Leinfelder | 2013-01-08 18:54 | Metacat             |
| 2031 | Infrastructure | Task    | New    | Normal   | Document the structure and interconnections of VM host hardware at UCSB                             | Nick Outin     | 2014-09-24 18:29 | Hardware            |
| 1073 | Infrastructure | Task    | New    | Normal   | Design client application authentication redirection approach                                       | Matthew Jones  | 2014-10-01 20:47 | d1_identity_manager |
| 3438 | Infrastructure | Task    | New    | Normal   | Evaluate utility of schema.org                                                                      |                | 2012-12-21 16:15 | Documentation       |
| 2029 | Infrastructure | Task    | New    | Normal   | Document VM specifications for replication MNs                                                      | Dave Vieglaiss | 2014-09-24 18:29 | Management          |
| 7184 | Infrastructure | Task    | New    | Normal   | Create an Ansible script that can replace a server certificate                                      | Nick Outin     | 2015-06-15 15:10 | Support Operations  |
| 3410 | Member Nodes   | Task    | New    | Normal   | Develop a Redmine Cheatsheet to help with a wider REDMine user community interacting with MN issues | John Cobb      | 2012-11-30 19:36 |                     |
| 6514 | Infrastructure | Task    | New    | Normal   | Reharvest all Records to build initial cache                                                        | Robert Waltz   | 2015-01-13 15:56 | d1_log_aggregation  |
| 6688 | Member Nodes   | Task    | New    | Normal   | FTGEN: Verify MN Content and Services in Testing Environment                                        |                | 2014-12-04 20:07 |                     |
| 7199 | Python GMN     | Task    | New    | Normal   | Implement support for token authentication approach                                                 | Dave Vieglaiss | 2016-03-25 01:27 |                     |
| 8369 | Infrastructure | Task    | New    | Normal   | Verify operation and transfer DNS                                                                   | Dave Vieglaiss | 2018-02-15 17:40 |                     |
| 3380 | Infrastructure | Task    | New    | Normal   | Upgrade d1_client_hzpeek to Hazelcast 2.x                                                           | Dave Vieglaiss | 2012-12-12 16:50 |                     |
| 2028 | Infrastructure | Task    | New    | Normal   | Document VM specifications for CNs                                                                  | Dave Vieglaiss | 2014-09-24 18:29 | Management          |
| 3374 | Member Nodes   | Task    | New    | Normal   | Move kepler-library.org Metacat to new server                                                       | Ben Leinfelder | 2012-11-08 00:31 |                     |
| 6398 | Infrastructure | Task    | New    | Normal   | update MNWebTest operations docs                                                                    | Rob Nahf       | 2014-10-01 20:34 | MNWebChecker        |
| 3373 | Infrastructure | Task    | New    | Normal   | If id contains "/", the MNode.getSystemMetadata method fails.                                       |                | 2012-11-06 02:05 |                     |
| 2018 | Infrastructure | Task    | New    | Normal   | document DataONE CA operations procedures                                                           | Matthew Jones  | 2012-04-23 17:53 | Support Operations  |
| 1986 | Infrastructure | Task    | New    | Normal   | Update UC04 to use correct CN method for determining if a PID exists                                | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 3357 | Infrastructure | Task    | New    | Normal   | Address ISet iterator bug that only iterates over a subset of the ISet                              | Ben Leinfelder | 2012-12-12 16:54 | Metacat             |
| 7176 | Infrastructure | Task    | New    | Normal   | Develop textual documentation for certificate management                                            | Dave Vieglaiss | 2015-06-10 01:33 | Documentation       |
| 1983 | Infrastructure | Task    | New    | Normal   | UC04 describes MNCORE.ping() with discovery capability                                              | Dave Vieglaiss | 2014-10-02 17:21 | Documentation       |
| 6380 | Member Nodes   | Task    | New    | Normal   | ICMBIO: Initial Preparation                                                                         |                | 2015-11-19 17:21 |                     |
| 6693 | Member Nodes   | Task    | New    | Normal   | FTGEN: Establish DataONE user identity in Production                                                |                | 2014-12-04 20:07 |                     |



| #    | Project          | Tracker | Status | Priority | Subject                                                                                                         | Assignee       | Updated          | Category           |
|------|------------------|---------|--------|----------|-----------------------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|
| 7177 | Infrastructure   | Task    | New    | Normal   | Develop video documentation for certificate management                                                          | Dave Vieglaiss | 2015-06-10 01:33 | Documentation      |
| 7229 | Python GMN       | Task    | New    | Normal   | non-standard server certificate locations                                                                       | Roger Dahl     | 2016-04-21 22:37 |                    |
| 6686 | Member Nodes     | Task    | New    | Normal   | FTGEN: Establish DataONE user identity in Testing Environment                                                   |                | 2014-12-04 20:07 |                    |
| 3328 | Infrastructure   | Task    | New    | Normal   | Enable a data preview from the search results page                                                              | Chris Jones    | 2012-10-23 19:34 | d1_mercury         |
| 995  | Infrastructure   | Task    | New    | Normal   | implement JSON formatted OLLs                                                                                   |                | 2010-10-25 16:45 |                    |
| 6367 | Infrastructure   | Task    | New    | Normal   | Update drive firmware on P2-1 UCSB SAN Array                                                                    | Nick Outin     | 2014-09-08 20:19 | Hardware           |
| 3315 | Infrastructure   | Task    | New    | Normal   | CNRead.query() - POST in addition to GET                                                                        | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 7167 | OGC-Slender Node | Task    | New    | Normal   | Generate system metadata for science metadata                                                                   | Dave Vieglaiss | 2015-06-08 18:58 |                    |
| 3314 | Infrastructure   | Task    | New    | Normal   | CNRead.getQueryEngineDescription() - REST URL                                                                   | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 6167 | Infrastructure   | Task    | New    | Normal   | Docs for CNRead.search() say "SOLR" in capital but actual API expects "solr" in lower case                      | Dave Vieglaiss | 2014-10-02 17:21 | Documentation      |
| 3313 | Infrastructure   | Task    | New    | Normal   | Configure indexer to handle inline eml data                                                                     | Skye Roseboom  | 2012-10-08 21:01 | d1_indexer         |
| 3308 | Infrastructure   | Task    | New    | Normal   | Document the process for removing content contributed from a specific member node and/or the entire member node | Dave Vieglaiss | 2014-03-14 18:29 | Support Operations |
| 1890 | Infrastructure   | Task    | New    | Normal   | Comply with Maven Central requirements for publishing artifacts                                                 | Matthew Jones  | 2011-10-27 21:39 |                    |
| 1001 | Infrastructure   | Task    | New    | Normal   | Link documentation living with projects into ArchitectureDocs                                                   |                | 2010-10-21 14:55 |                    |
| 6687 | Member Nodes     | Task    | New    | Normal   | FTGEN: Configure SSL Certificates for Testing Environment                                                       |                | 2014-12-04 20:07 |                    |
| 7168 | OGC-Slender Node | Task    | New    | Normal   | Generate system metadata for data objects                                                                       | Dave Vieglaiss | 2015-06-08 18:59 |                    |
| 3260 | Member Nodes     | Task    | New    | Normal   | Scope out the implementation of a CitSci.org MN                                                                 | Bruce Wilson   | 2012-09-20 20:51 |                    |
| 6048 | Member Nodes     | Task    | New    | Normal   | Fix 404 NotFound errors on the EDORA MN                                                                         | Jim Green      | 2014-11-24 14:57 |                    |
| 2791 | Infrastructure   | Task    | New    | Normal   | verify on dev machines                                                                                          | Dave Vieglaiss | 2012-05-21 17:41 | d1_cn_buildout     |
| 1808 | Infrastructure   | Task    | New    | Normal   | MNAuthorization.isAuthorized() -> assertAuthorized()                                                            |                | 2011-10-04 16:08 |                    |
| 7127 | DataONE API      | Task    | New    | Normal   | Finalize CNAuthentication interface                                                                             | Dave Vieglaiss | 2015-05-21 19:31 | api_documentation  |
| 7155 | OGC-Slender Node | Task    | New    | Normal   | Design the connector, including sources of key information                                                      | Dave Vieglaiss | 2015-06-05 11:42 |                    |
| 1671 | Infrastructure   | Task    | New    | Normal   | Need folder for DUG, accessible by DUG members                                                                  | Matthew Jones  | 2011-07-12 12:09 | Support Operations |
| 6689 | Member Nodes     | Task    | New    | Normal   | FTGEN: Register MN in Testing Environment                                                                       |                | 2014-12-04 20:07 |                    |
| 8576 | Search UI        | Task    | New    | Normal   | Remove Code Changes Specific to Appearance of Data Citation for PANGAEA formatID                                | Monica Ihli    | 2018-04-30 13:29 |                    |
| 5884 | Member Nodes     | Task    | New    | Normal   | GBIF: Verify Science Metadata is returned with the correct HTTP Content-Type                                    |                | 2016-07-02 12:45 |                    |

| #    | Project               | Tracker | Status | Priority | Subject                                                                                              | Assignee       | Updated          | Category           |
|------|-----------------------|---------|--------|----------|------------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|
| 8362 | Infrastructure        | Task    | New    | Normal   | Add the indication that the cn account list is sliced                                                |                | 2018-02-12 17:48 |                    |
| 1762 | Infrastructure        | Task    | New    | Normal   | Sketch CN components and associations                                                                | Dave Vieglaiss | 2014-10-02 17:40 |                    |
| 6694 | Member Nodes          | Task    | New    | Normal   | FTGEN: Configure SSL Certificates for Production                                                     |                | 2014-12-04 20:07 |                    |
| 7169 | OGC-Slender Node      | Task    | New    | Normal   | Enable tracking of obsoletes / obsoleted by for data objects                                         | Dave Vieglaiss | 2015-06-08 19:01 |                    |
| 7256 | Python Libraries      | Task    | New    | Normal   | add cnclient.synchronize method                                                                      | Roger Dahl     | 2016-04-21 22:37 |                    |
| 1660 | Infrastructure        | Task    | New    | Normal   | Refactor REST calls so that mandatory args are part of the URL and optional args are key/value pairs |                | 2011-06-28 21:35 |                    |
| 8344 | Testing MN Management | Task    | New    | Normal   | MN Communications                                                                                    |                | 2018-02-22 19:47 |                    |
| 6569 | Infrastructure        | Task    | New    | Normal   | configure jobs for tag 1.0.1, 1.0.0 and 0.9.0                                                        | Rob Nahf       | 2014-11-14 17:56 |                    |
| 8341 | Testing MN Management | Task    | New    | Normal   | Initial Communications                                                                               |                | 2018-02-22 19:14 |                    |
| 1651 | Infrastructure        | Task    | New    | Normal   | Update Metacat ResourceHandler to field the PUT call on /formats/fmtid                               |                | 2016-06-22 16:51 |                    |
| 5865 | Member Nodes          | Task    | New    | Normal   | GBIF: Log record access                                                                              |                | 2016-07-02 12:45 |                    |
| 3216 | Member Nodes          | Task    | New    | Normal   | Contact GEO BON for possible MN                                                                      | Matthew Jones  | 2012-09-05 03:29 |                    |
| 5841 | Member Nodes          | Task    | New    | Normal   | GBIF: SSL Certificates                                                                               |                | 2019-01-28 14:40 |                    |
| 8356 | Testing MN Management | Task    | New    | Normal   | Formal Announcement                                                                                  |                | 2018-02-23 19:06 |                    |
| 925  | Infrastructure        | Task    | New    | Normal   | Test for correct response to invalid input: CCI.ITK.FUSE-client                                      |                | 2011-10-31 20:32 | d1_client_ONEDrive |
| 8353 | Testing MN Management | Task    | New    | Normal   | Implement in Production                                                                              |                | 2018-02-08 15:29 |                    |
| 1650 | Infrastructure        | Task    | New    | Normal   | Update d1_cn_service ProxyCNCoreService and CNCoreController to include addFormat()                  |                | 2016-06-22 16:51 |                    |
| 5988 | Infrastructure        | Task    | New    | Normal   | Determine cause of ldap "server not responding" errors between prod CNs                              | Jing Tao       | 2014-07-22 23:18 | Hardware           |
| 8355 | Testing MN Management | Task    | New    | Normal   | Mutual Acceptance                                                                                    |                | 2018-02-08 15:28 |                    |
| 8354 | Testing MN Management | Task    | New    | Normal   | Register in Production                                                                               |                | 2018-02-08 15:28 |                    |
| 3212 | Member Nodes          | Task    | New    | Normal   | Collect metadata for the Taiwan TERN member node                                                     | Matthew Jones  | 2014-02-20 21:58 |                    |
| 8351 | Testing MN Management | Task    | New    | Normal   | Display as Upcoming                                                                                  |                | 2018-02-08 15:28 |                    |
| 8350 | Testing MN Management | Task    | New    | Normal   | Test Registration                                                                                    |                | 2018-02-08 15:28 |                    |
| 8349 | Testing MN Management | Task    | New    | Normal   | Develop or Implement MN Software                                                                     |                | 2018-02-08 15:28 |                    |

| #    | Project        | Tracker | Status | Priority | Subject                                                                                          | Assignee          | Updated          | Category               |
|------|----------------|---------|--------|----------|--------------------------------------------------------------------------------------------------|-------------------|------------------|------------------------|
| 3210 | Member Nodes   | Task    | New    | Normal   | Collect application metadata for the AKN member node                                             | Ben Leinfelder    | 2013-01-08 19:23 |                        |
| 1649 | Infrastructure | Task    | New    | Normal   | Update Metacat's CNCOREImpl to include addFormat()                                               |                   | 2016-06-22 16:51 |                        |
| 6684 | Member Nodes   | Task    | New    | Normal   | FTGEN: Register any new object formats in all environments                                       |                   | 2014-12-04 20:07 |                        |
| 7103 | Member Nodes   | Task    | New    | Normal   | Create a new test certificate for mnStagePISCO                                                   | Dave Vieglaiss    | 2015-05-14 18:29 |                        |
| 1648 | Java Client    | Task    | New    | Normal   | Update d1_libclient_java ObjectFormatCache to include addFormat()                                |                   | 2016-06-22 16:51 | d1_libclient_java      |
| 6166 | Infrastructure | Task    | New    | Normal   | CNRead.getChecksum() returns Content-Type of text/csv while it should be an xml type             | Chris Jones       | 2014-08-29 15:04 | d1_cn_service          |
| 3208 | Member Nodes   | Task    | New    | Normal   | Collate node application metadata for the BIOTA - FAPESP MN                                      | Matthew Jones     | 2015-12-03 19:36 |                        |
| 6168 | Infrastructure | Task    | New    | Normal   | CNAuthorization.setRightsHolder() returns 500 ServiceFailure                                     | Chris Jones       | 2014-08-29 16:01 | d1_cn_service          |
| 6250 | Infrastructure | Task    | New    | Normal   | CN methods return 500 ServiceFailure when called with bogus test data and without certificates   | Chris Jones       | 2014-08-29 18:59 | d1_cn_service          |
| 5498 | Infrastructure | Task    | New    | Normal   | Determine the cause of the Jun2014 cn-orc-1 out of memory issue                                  | Michael Campfield | 2014-10-31 19:11 | Environment.Production |
| 3204 | Member Nodes   | Task    | New    | Normal   | Collate MN metadata for review                                                                   | Mike Frame        | 2015-12-03 19:36 |                        |
| 1647 | Java Client    | Task    | New    | Normal   | Update d1_common_java ObjectFormatServiceImpl to include addFormat()                             |                   | 2016-06-22 16:51 | d1_common_java         |
| 7104 | Infrastructure | Task    | New    | Normal   | Event index reindexing shouldn't require re-harvest from MNs                                     |                   | 2015-07-09 15:34 | d1_log_aggregation     |
| 5454 | Member Nodes   | Task    | New    | Normal   | Evaluate dataverse potential MN                                                                  | Bruce Wilson      | 2014-05-29 19:30 |                        |
| 1646 | Infrastructure | Task    | New    | Normal   | Add addFormat() to the CNCORE API                                                                |                   | 2016-06-22 16:51 |                        |
| 8614 | Member Nodes   | Task    | New    | Normal   | BCO-DMO: testing the member node                                                                 | Matthew Jones     | 2018-06-13 15:48 |                        |
| 6376 | Infrastructure | Task    | New    | Normal   | test the new strategy against working ReplicationManager test                                    | Rob Nahf          | 2016-06-22 16:53 | d1_replication         |
| 1961 | Infrastructure | Task    | New    | Normal   | Types.ErrorMessage - does not exist                                                              | Dave Vieglaiss    | 2014-10-02 17:21 | Documentation          |
| 8587 | Member Nodes   | Task    | New    | Normal   | Add DataONE Logo to SanParks website                                                             | Jing Tao          | 2018-05-09 21:19 |                        |
| 5313 | Java Client    | Task    | New    | Normal   | enable remote deployment of product packages from Hudson / Jenkins                               | Rob Nahf          | 2015-02-11 20:34 |                        |
| 3181 | Member Nodes   | Task    | New    | Normal   | Contact PFRP as potential MN                                                                     | Matthew Jones     | 2013-01-30 21:00 |                        |
| 6389 | Infrastructure | Task    | New    | Normal   | The version of com.googlecode.foresite-toolkit is 1.0-SNAPSHOT on the d1_libclient_java releases |                   | 2014-09-18 00:42 |                        |
| 6685 | Member Nodes   | Task    | New    | Normal   | FTGEN: Local Testing                                                                             |                   | 2014-12-04 20:07 |                        |
| 6394 | Infrastructure | Task    | New    | Normal   | Resolve SSL certificate connection errors for UNM Epscor Tier 4 MN in development                | Chris Jones       | 2014-09-18 18:39 | Support Operations     |
| 3371 | Infrastructure | Task    | New    | Normal   | unmarshalTypeFromFile method is using FileReader                                                 |                   | 2012-10-29 19:15 |                        |

| #    | Project          | Tracker | Status | Priority | Subject                                                                 | Assignee          | Updated          | Category               |
|------|------------------|---------|--------|----------|-------------------------------------------------------------------------|-------------------|------------------|------------------------|
| 6397 | Infrastructure   | Task    | New    | Normal   | test that it works from standalone .war                                 | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker           |
| 7096 | CN REST          | Task    | New    | Normal   | Unexpectedly closed streams / disconnects on UNM network                | Dave Vieglaiss    | 2015-05-12 17:49 |                        |
| 6399 | Infrastructure   | Task    | New    | Normal   | set up release practice for the MNWebTester .war                        | Rob Nahf          | 2014-10-01 20:34 | MNWebChecker           |
| 6478 | Infrastructure   | Task    | New    | Normal   | move mncheck VM to a different VMhost                                   | Dave Vieglaiss    | 2014-10-01 20:34 | MNWebChecker           |
| 6483 | Infrastructure   | Task    | New    | Normal   | DataONE xsede VM at ORC                                                 | Michael Campfield | 2014-10-24 10:54 |                        |
| 7123 | Python Libraries | Task    | New    | Normal   | Send Authorization header carrying authentication token                 | Roger Dahl        | 2016-04-21 22:37 | d1_libclient_python    |
| 5137 | Infrastructure   | Task    | New    | Normal   | Fix DataONE CA chain file location in cn-buildout                       | Chris Jones       | 2014-04-25 15:06 | d1_cn_buildout         |
| 5136 | Infrastructure   | Task    | New    | Normal   | Change DNS seetings on all DataONE VMs                                  | Chris Jones       | 2014-05-08 03:16 | Environment.Production |
| 6511 | Java Client      | Task    | New    | Normal   | remove the deprecated MultipartRequestHandler class from d1_common_java | Rob Nahf          | 2015-02-11 20:04 | d1_common_java         |
| 5122 | Member Nodes     | Task    | New    | Normal   | Verify/update information in TFRI's node registration                   | Chris Jones       | 2014-04-18 16:51 |                        |
| 3177 | Member Nodes     | Task    | New    | Normal   | Contact operators                                                       | Matthew Jones     | 2012-09-05 01:46 |                        |
| 3411 | Member Nodes     | Task    | New    | Normal   | Collate documents of relevance to MN deployment and operation           | Dave Vieglaiss    | 2012-12-01 18:33 |                        |
| 5121 | Member Nodes     | Task    | New    | Normal   | Fix DryadDataFile instance documents with no dcterms:creator element    | Chris Jones       | 2014-04-30 19:25 |                        |
| 4723 | Infrastructure   | Task    | New    | Normal   | MN recognition of CN                                                    | Dave Vieglaiss    | 2014-10-02 17:21 |                        |
| 3175 | Infrastructure   | Task    | New    | Normal   | Include dataoneTypes.xsd in Metacat registered schemas                  | Chris Jones       | 2012-10-05 14:23 | Metacat                |

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