**DME 1.19.0 Release Notes**

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| Version: 1.19.0  Date: November 8, 2019  ==============================================================  **Contents**  ==============================================================  1.0 DME Introduction  2.0 Release History  3.0 New Features and Updates  4.0 Bug Reports and Support  5.0 Documentation  6.0 References  ==============================================================  **1.0 DME Introduction**  ==============================================================  The NCI Data Management Environment (DME) offers open-ended storage and management of large scientific research datasets. It eliminates the need to maintain redundant copies of large heterogenous data and provides the ability to annotate, retrieve, and share datasets for further research, analysis, and collaboration.  The NCI Data Vault serves as the archive store for these datasets. It provides scalable, virtualized, high-reliability storage that is transparent to the end user. Data are stored as objects, which are organized into collections (folders), and a collection might have one or more collections within it. A collection can be identified by a custom collection type such as Project, Study, Sample, and so on, the default being Folder.  DME provides an entry point to archive data to the NCI Data Vault, and to manage, transfer, access, and share data across disparate systems securely and efficiently. DME allows you to associate user-defined metadata to registered data at different points in the data life cycle. In addition, DME offers search capabilities to identify this data. A Division/Office/Center (DOC) can define its own metadata structure and data hierarchy rules, and grant permission to users as needed.  If you have an NIH account, the NCI Data Vault team can give you access to DME. For access requests or any other questions, contact [NCIDataVault@mail.nih.gov](mailto:NCIDataVault@mail.nih.gov).  ==============================================================  **2.0 Release History**  v1.0.0 - December 28, 2016  v1.1.0 - May 15, 2017  v1.2.0 - June 23, 2017  v1.3.0 - September 15, 2017  v1.4.0 - November 6, 2017  v1.5.0 - December 11, 2017  v1.6.0 - February 7, 2018  v1.7.0 – March 29, 2018  v1.7.1 – May 21, 2018  v1.7.2 - June 12, 2018  v1.7.3 - July 24, 2018  v1.8.0 - September 28, 2018  v1.9.0 – November 20, 2018  v1.10.0 – December 18, 2018  v1.11.0 – March 1, 2019  v1.12.0 – April 1, 2019  v1.13.0 – May 3, 2019  v1.14.0 – June 4, 2019  v1.15.0 – July 9, 2019  v1.16.0 – August 21, 2019  v1.17.0 – September 13, 2019  v1.18.0 – October 11, 2019  v1.19.0 – November 8, 2019  ==============================================================  **3.0 New Features and Updates**  ==============================================================  The following features, enhancements, and bug fixes have been incorporated in this release:  **Enhancements:**  HPCDATAMGM-1012: Redesigned the Manage Permissions page to make it more intuitive and user friendly, and replaced userId search with autocomplete on userId, first name and last name.  HPCDATAMGM-998: Updated the right click menu on the Browse Screen to disable menu items not applicable for data files.  HPCDATAMGM-1141: Added CLU commands to download list of collections or data objects to a Globus Endpoint or AWS S3 Bucket. For additional information, refer to the Wiki user Guide at [Downloading Data via the CLU](https://wiki.nci.nih.gov/display/DMEdoc/Downloading+Data+via+the+CLU)  HPCDATAMGM-1142: Added CLU command to search for data objects by metadata, and optionally specify a collection hierarchy to search in. For additional information, refer to the Wiki User Guide at [Searching for Data via the CLU](https://wiki.nci.nih.gov/display/DMEdoc/Searching+for+Data+via+the+CLU)  HPCDATAMGM-938: Added the ability to export all the paths and metadata (parent and self) displayed in the detailed search results in the web application. Users can also choose to restrict the metadata displayed and export visible columns only. For additional information, refer to the Wiki Guide at [Exporting Search Results via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Exporting+Search+Results+via+the+GUI).  HPCDATAMGM-1009, 1135: Added the ability to view and edit the criteria of a saved search through the web application. The edited search criteria can be saved under the same or a new name. For additional information, refer to the Wiki User Guide at [Using Search Results and Other Lists in the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Using+Search+Results+and+Other+Lists+in+the+GUI).  HPCDATAMGM- 992, 1139: Replaced the following icons and hover over text to improve clarity of function:   * The existing ‘Browse’ icon in the Detail View page, which takes the user back to the Browse page for the current path. * The existing ‘Refresh’ icon on the left side toolbar of the Browse page, which replaces the current data hierarchy being displayed with that of the user’s Base Path.   HPCDATAMGM- 1150: Extended the REST API for query for data objects to optionally narrow the search to a specified collection hierarchy. The collection hierarchy to search in will be provided as a URL param in the API. For additional information, refer to section 5.30 of the DME API specification at <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx>.  **Bug Fixes:**  HPCDATAMGM-1113: Server Error is received from the Get Collection and Get DataObject APIs when the invoker has requested the permission status in the result, but does not have any permissions on the data.  HPCDATAMGM-1148: Collection and File list download combine data from multiple folders into one when the name of the immediate parent is the same. To resolve this, while downloading list of collections/data-objects, the full hierarchy of the collection/file will be created under the destination folder. There will be no change to the behavior for single collection/file download, these will continue to be downloaded directly to the specified destination folder.  HPCDATAMGM-1138: The task IDs displayed on the Download page of the web application are not hyperlinked for list of collections and list of data objects are not hyperlinked.  HPCDATAMGM-1144: Group Admins are unable to delete a file through the web application even though the ownership and age of the file conforms to the delete requirements.  HPCDATAMGM-1013: Unhelpful error from a stack trace is displayed while trying to create a bookmark with % sign through the web application. This has been replaced with a user-friendly message.  HPCDATAMGM-1140: When Refresh Node is performed on a collection on the Browse screen of the web application, folders which were previously opened but closed later are re-opened, causing the position of the scrollbar to change.  **Deprecated APIs/CLU Commands:**  The following CLU command have been deprecated, and will be removed in the next release (slated for the end of 1st week of November). .   * dm\_download\_async (Please use dm\_download\_dataobject\_globus and dm\_download\_collection\_globus instead) * dm\_download\_s3 (Please use dm\_download\_dataobject\_s3 and dm\_download\_collection\_s3 instead)   For additional information please refer to the Wiki User Guide at [Downloading Data via the CLU](https://wiki.nci.nih.gov/display/DMEdoc/Downloading+Data+via+the+CLU).  ==============================================================  **4.0 Bug Reports and Support**  ==============================================================  For issues, questions or suggestions, contact ncidatavault@nih.gov  ==============================================================  **5.0 Documentation**  ==============================================================  For instructions on how to use the Web User Interface or Command Line Utilities (CLU), visit <https://wiki.nci.nih.gov/display/DMEdoc/DME+User+Guide>  For details on the REST API, refer to the API Specification located at  <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx>  Training related documentation and presentation is available at:  <https://github.com/CBIIT/HPC_DME_APIs/tree/master/doc/training>  ==============================================================  **6.0 Resources**  ==============================================================  The following URLs access web pages relevant to HPC DME.  DME User Guide  <https://wiki.nci.nih.gov/display/DMEdoc/DME+User+Guide>  HPC DME GitHub Home Page  <https://github.com/CBIIT/HPC_DME_APIs>  NCI HPC DME Agile JIRA Board Home Page:  <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=244>  iRODS Open Source Data Management Software home page:  <https://irods.org/>  IBM Cleversafe Object Storage:  <https://www.ibm.com/cloud-computing/products/storage/object-storage/why-cos/> |
| Globus:  <https://www.globus.org> |