**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-1158: Enhanced the Web Application to enable transfer of data from the archive to AWS S3 buckets in the cloud (this is in addition to the current capability to do the same through the REST API and CLU). For additional information, refer to the Wiki User Guide at [Downloading Data via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Downloading+Data+via+the+GUI).  HPCDAMMG-1154: Updated the Enroll User API to no longer require the first name and last name in the request parameter set. This will now be obtained directly from NIH AD (LDAP) based on the user identifier supplied. For additional information, refer to section 5.5 of the DME API specification at <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx>  HPCDATAMGM-1153: Enhanced the Set Permissions API to create the user account for which the permissions are being set, if the account does not exist in DME. The account will be created only if the specified userId maps to an existing account in NIH AD (LDAP). The DOC of the new account will be the same as that of the API invoker. For additional information, refer to section 5.19 (for Collection Permission) and section 5.45 (for Data Permissions) of the DME API specification at <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx>.  HPCDATAMGM-1160: Enhanced the Add/Update Bookmark API to create the user account for whom the bookmark is being created, if the account does not exist in DME. The account will be created only if the specified userId maps to an existing account in NIH AD (LDAP). The DOC of the new user will be the same as that of the API invoker. For additional information, refer to section 5.57 (for Add Bookmark) and 5.58 (for Update Bookmark) of the DME API specification at <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx>.  HPCDATAMGM-924, 1038: Linked the Download page on the Web Application to the Globus site, so that the Globus endpoint and destination path of the data can be obtained directly from Globus instead of manually entered. For additional information, refer to the Wiki User Guide at [Downloading Data via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Downloading+Data+via+the+GUI).  HPCDATAMGM-1012: Re-designed the Manage Permissions page on the Web Application to make it more intuitive and user friendly. For additional information, refer to the Wiki User Guide at [Managing Permissions via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Managing+Permissions+via+the+GUI)  HPCDATAMGM-997: Updated the Web Application to provide guidance on selecting the parent collection type while registering a file or a collection. An information icon that displays the data hierarchy of the selected archive graphically will be available next to the Base Path field on the Register screen. For additional information, refer to the Wiki User Guide at [Registering Data via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Registering+Data+via+the+GUI).  HPCDATAMGM-998: Updated the right click menu on the Browse Screen to disable menu items not applicable for data files.  **Bug Fixes/Misc. Updates:**  HPCDATAMGM-1113: Server Error is received from the Get Collection and Get DataObject APIs when the invoker has requested the permission setting in the result, but does not have any permissions.  HPCDATAMGM-1152: Group Admins can incorrectly create users in a DOC other than the one to which the Group Admin belongs.  HPCDATAMGM-1156: User should get an error upfront while trying to register a data file to a collection that can contain only sub-collections.  HPCDATAMGM-1159: CLU receives incorrect error when trying to delete a collection that does not exist.  HPCDATAMGM-1157: Background color of a screen changes when a modal dialog is opened and closed on it.  HPCDATAMGM-1095, 1097, 1098, 1143 – Updated headers and section labels in the Browse, Reports, and Admin screens on the DME Web Application for clarity.  HPCDATAMGM-1032: Updated the Subscribe Notifications page to remove the notification ‘Data Transfer Upload in staging archive’ from the list of notification types to which a USER or GROUP\_ADMIN can subscribe.  ==============================================================  **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> |