**DME 1.23.0 Release Notes**

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| Version: 1.23.0  Date: March 9, 2020  ==============================================================  **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  v1.20.0 – December 2, 2019  v1.21.0 – January 9, 2020  v1.22.0 – February 6, 2020  v1.23.0 – March 9, 2020  ==============================================================  **3.0 New Features and Updates**  ==============================================================  The following features, enhancements, and bug fixes have been incorporated in this release:  **Enhancements:**  HPCDATAMGM-1252: Added new REST API to enable users to cancel download requests for list of collections and list of objects. For details, refer to section 5.46 of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx).  HPCDATAMGM-1215: Added the ability to cancel download requests (for collections, list of collections and list of objects) through the web application GUI. A cancel icon will now be available on the Download Task page for ongoing requests. For additional information, refer to the [Viewing Download Status](https://wiki.nci.nih.gov/display/DMEdoc/Viewing+Download+Status) page.  HPCDATAMGM-1217: Added the ability to upload data from an S3 bucket to the archive through the web application GUI. This will be available as an additional option in the Register Bulk Data menu. For additional information, refer to [Uploading Data in Bulk via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Uploading+Data+in+Bulk+via+the+GUI) page.  HPCDATAMGM-1249: Enhanced the web application GUI to also display the optional metadata names in the list of metadata to input during collection or data object registration. Presently only mandatory metadata names are is displayed. For additional information, refer to [Creating an Empty Collection via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Creating+an+Empty+Collection+via+the+GUI) and [Registering a Data File via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Registering+a+Data+File+via+the+GUI) pages.  **Misc. Updates/Bug Fixes:**  HPCDAMAMGM-1204: Added URL in the usage information of a CLU command to provide a pointer to detailed information. This URL will point to the corresponding DME User Guide wiki page and will be present at the end of the usage information that is displayed when the user types the name of the CLU command.  HPCDATAMGM-1232: Fixed the issue of the Add Bookmark CLU returning an OK (201) response for a user Id that does not belong to an NIH A/D account, even though the user was not created. For information on the Add Bookmark CLU command, [Adding a Bookmark and Permissions via the CLU](https://wiki.nci.nih.gov/display/DMEdoc/Adding+a+Bookmark+and+Permissions+via+the+CLU) page.  HPCDATAMGM-1259: Fixed issue of the Cancel Collection Download API taking a long time to remove the download request from the download queue.    **Operational/Performance Improvements:**  HPCDATAMGM-1262: Fixed issue with pre-signed URL uploads taking a long time to record completion on Cloudian, even though the file was already uploaded. This was occurring on about 50% of the transactions.  HPCDATAMGM-1255: Added auditing of synchronous downloads in the Download Task Results table of the DME database.    HPCDATAMGM-1257: Added system configuration to limit file size for synchronous downloads and uploads. This is currently configured to 5GB.  ==============================================================  **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> |