**DME 2.1.0 Release Notes**

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| Version: 2.1.0  Date: September 24, 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 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  v1.24.0 – April 1, 2020  v1.25.0 – May 8, 2020  v1.26.0 – June 4, 2020  v1.27.0 – July 8, 2020  v2.0.0 – August 27, 2020  v2.1.0 – September 24, 2020  ==============================================================  **3.0 New Features and Updates**  ==============================================================  The following features, enhancements, and bug fixes have been incorporated in this release:  **Enhancements:**  HPCDATAMGM-1313: Enhanced the Manage Registration Tasks page and Download Tasks page of the DME Web Application to display the status of the asynchronous bulk transfers requested by all users in a DOC if the logged on user is a System Admin or Group Admin. For details, refer to the following pages:   * [Viewing Registration Status](https://wiki.nci.nih.gov/x/v4tbG) * [Viewing Download Status](https://wiki.nci.nih.gov/x/x4tbG)   HPCDATAMGM-1366: Attached DOCs to groups to enable a any of a DOC's group admins to manage any of its groups, while at the same time preventing access to group admins from other DOCs. For details, refer to the following pages:   * [Adding a Group via the GUI](https://wiki.nci.nih.gov/x/A4epFg) * [Updating a Group via the GUI](https://wiki.nci.nih.gov/x/BYepFg)   HPCDATAMGM-1359:Enhanced the Query Data Object APIs to optionally return the metadata of the ancestor collections. A new query param *returnParent* has been added which if set to true will return the metadata of the ancestor collection metadata of the matched data objects, else it will continue to return the metadata of the matched data objects as before.  This option can be leveraged by third party applications/GUIs to perform the search at the data object level but display metadata at the collection level. For details, refer to sections 5.36 and 5.37 of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx).  HPCDATAMGM-1352: Enhance *dm\_register\_directory* CLU command to optionally extract metadata from image files being uploaded. Presently TIFF and BMP types are supported. For details, refer to [Registering Directory Contents from Your File System via the CLU](https://wiki.nci.nih.gov/x/-xpGFw).  HPCDATAMGM-1355. Added copy icon against the path name in the Details view page to enable the path of a file or collection to be copied easily. For details, refer to the following pages:   * [Viewing Metadata via the GUI](https://wiki.nci.nih.gov/x/jQSYFg) * [Subscribing to Notifications for a Specific Collection](https://wiki.nci.nih.gov/x/xpzRFg)   **Misc. Updates/Bug Fixes:**  HPCDAMAMGM-1364: Fixed issue with some files being re-downloaded post server restart during collection download, causing a ‘file already exists with the same destination path" message being displayed to the user.  HPCDATAMGM-1364: Fixed issue with collection download cancellation request not taking effect for all files in the collection if interrupted by a server restart.  HPCDATAMGM-1346: Fixed issue of a blank folder being created at the Globus destination endpoint when the path specified in the *Globus Endpoint (Destination) Path* field on the Globus Download screen of the DME Web Application has a space at the end of it.  HPCDAMGM-1362: Fixed issue of the *From date* search input field’s Calendar being is cut off on the top in the Reports screen of the DME Web Application.  HPCDAMAMGM-1360: Setup new global DME ID as system generated metadata for third applications to locate a specific dataset for providing URL access to their GUI.  HPCDATAMGM-1354*:* Updated the *dm\_get\_dataobject CLU* to return the extracted metadata attributes in a separate section of the response JSON.  HPCDATAMGM-1356: Repositioned the *Browse to home*, *Bookmarks*, and *Browse to path* icons to the center of the Browse page.  HPCDATAMGM-1347, 1349, 1350, 1357, 1358: Performed GUI cleanup including streamlining screen headings, label cleanups and color contrast adjustment for clarity.  **Operational/Performance Improvements:**  HPCDATAMGM-1330: Compute size for collections in HPC\_DOWNLOAD\_TASK\_RESULT table.  ==============================================================  **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> |