**Data Management Environment (DME) Release Notes**

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Data are stored as objects, which are organized into collections (folders), and a collection might have one or more subcollections within it. A collection can be identified by a custom collection type such as Project, Study, Sample, and so on, the default being collection type 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  v2.2.0 – October 16, 2020  v2.3.0 – December 29, 2020  v2.4.0 – January 26, 2021  v2.5.0 - February 25, 2021  v2.6.0 - March 31, 2021  ==============================================================  **3.0 New Features and Updates**  ==============================================================  The following features, enhancements, and bug fixes have been incorporated in this Release:  **Functional/GUI Enhancements:**  HPCDATAMGM-1440:Enhanced the DME web application to enable removal of batch permissions for a user. The group administrator will now be able to remove access to a set of files or collections for a user or group by setting the 'none' permission through the Bulk Permissions page. Previously, 'none' could be set only for a single file or collection. For details, refer to [Managing Permissions in Bulk via the GUI](https://wiki.nci.nih.gov/x/CwvvGQ).  HPCDATAMGM-1433: Enhanced the *dm\_register\_dataobject\_presigned* command line utility (CLU) to archive a single file to an AWS S3 location using presigned URL. Previously, only archival to Cloudian could be performed using this CLU. For details on using this CLU, refer to [Using dm\_register\_dataobject\_presigned](https://wiki.nci.nih.gov/x/KohzFw).  **Misc/Bug Fixes:**  HPCDATAMGM-1436: Fixed error message during Globus download to remove internal implementation detail and provide information that will enable users to fix their Globus endpoint setting.  HPCDAMAMGM-1438: Rearranged the action icons (Browse to home, Bookmarks, Browse to path), on the Browse screen of the DME web application so that they are more easily accessible. These will now be displayed left justified on the horizontal menu bar on the page.  HPCDATAMGM-1428: Updated the Register Bulk Data page on the DME web application to not display any information about the selected Globus endpoint if no file or folder was specified by the user. This was done to eliminate confusion when an error message is displayed on submitting a registration request without the file or folder selections.  HPCDATAMGM-1439: Fixed issue with Get Collection and Get Data File REST APIs returning null when an invalid path was specified in the request. These now return an error message indicating that the specified file or collection path is invalid. For details on the Get Collection and Get Data File APIs, refer to section 5.20 and 5.33 of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx).  ==============================================================  **4.0 Bug Reports and Support**  ==============================================================  For issues, questions or suggestions, contact [ncidatavault@nih.gov](mailto: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>.  ==============================================================  **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>  DME GitHub Home Page  <https://github.com/CBIIT/HPC_DME_APIs>  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/> |
| Globus:  <https://www.globus.org> |