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

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| **Release 2.24.0: September 29, 2022**  ==============================================================  **Contents**  ==============================================================   1. DME Overview 2. Release History 3. New Features and Updates 4. Important Notes 5. Bug Reports and Support 6. Documentation 7. References   ============================================================== DME Overview ==============================================================  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 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).  ============================================================== 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  v2.7.0 - April 30, 2021  v2.8.0 - May 28, 2021  v2.9.0 - June 30, 2021  v2.10.0 - July 28, 2021  v2.11.0 - August 27, 2021  v2.12.0 - September 21, 2021  v2.13.0 - October 29, 2021  v2.14.0 - November 29, 2021  v2.15.0 - December 20, 2021  v2.16.0 - January 31, 2022  v2.17.0 - February 25, 2022  v2.18.0 - March 23, 2022  v2.19.0 - April 14, 2022  v2.20.0 - May 17, 2022  v2.21.0 - June 15, 2022  v2.22.0 - July 28, 2022  v2.23.0 - August 30, 2022  v2.24.0 - September 29, 2022  ============================================================== New Features and Updates ==============================================================  The following features, enhancements, and bug fixes have been incorporated in this Release:  **Functional/GUI Enhancements:**  HPCDATAMGM-1626: Enhanced the save search capability of the DME web application to allow users to optionally receive automated email containing exported search results from one or more saved searches on a recurring basis. Users can receive this notification weekly or monthly by selecting the appropriate option on the Save Searches dialog box. For details, refer to [Saving a Search via the GUI](https://wiki.nci.nih.gov/x/n4pNG).  HPCDATAMGM-1615: Enhanced the Download Task page of the DME web application. Previously, for a collection list download request, the page displayed only the list of *objects* that completed or failed. Now the page also displays the list of *collections* that completed or failed. For details, refer to [Viewing the Details of a Download Task](https://wiki.nci.nih.gov/x/moLrHQ).  HPCDATAMGM-1653: Updated the Base Path Report in the Reports page of the DME web application to display the *Archive Summary* field. This field consists of the name of the storage provider, name of the storage bucket, and the size of the data within it. For details, refer to [Viewing a Base Path Report](https://wiki.nci.nih.gov/x/XwyYFg).  **Improvements and Bug Fixes:**  HPCDATAMGM-1658: Enhanced the My Searches table on the Dashboard page of the DME web application to add a new column to display the frequency at which users receive exported search results from saved searches. Also re-designed the table to remove the Edit column and instead add corresponding icons to the *Search Name* column. Also replaced each Delete link in the Delete column with a corresponding icon. For details, refer to [Saving a Search via the GUI.](https://wiki.nci.nih.gov/x/n4pNG)  HPCDATAMGM-1575: Fixed issue with the total size of the parent and ancestor collections showing null in the file details panel on the Browse page when the user navigates back to the Browse page from the Collection Details page.  HPCDATAMGM-1661: Fixed the *Collection Path* column in the Data Owner Report in the Reports page to display the logical path of the collection instead of the actual iRODS path.  HPCDATAMGM-1646: Redesigned the migration scheduler to enable the migration task to be parallelized on multiple servers. This enables scaling of the migration task depending on the need.  ============================================================== Important Notes ==============================================================  Release 2.22.0 updated the DME API server keystore.  If you are using command line utilities (CLU), before running any commands, update your public key at **utils/hpc-client/keystore/keystore-prod.jks** from GitHub master if you did not update it after Release 2.22.0.  ============================================================== Bug Reports and Support ==============================================================  For issues, questions or suggestions, contact [ncidatavault@nih.gov](mailto:ncidatavault@nih.gov).  ============================================================== 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>.  ============================================================== 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/> |
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| Globus:  <https://www.globus.org> |