**HPC DME 1.10.0 Release Notes**

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| Version: 1.11.0  Date: March 1, 2019  ==============================================================  **Contents**  ==============================================================  1.0 HPC 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 HPC DME Introduction**  ==============================================================  The NCI Data Management Environment (DME) offers open-ended storage and management of large scientific research datasets. It provided capabilities for storing, managing, transferring and sharing data across different systems securely and efficiently. It eliminates the need to maintain redundant copies of data and provides the ability to annotate, retrieve, transfer and share datasets for further research, analysis, and collaboration.  Data are stored as objects, which are organized into collections (folders). A collection might have one or more sub-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 stores and associates user defined metadata with any registered data at different levels of the data life cycle, enabling the user to easily locate the data through enhanced search capabilities and download them from the archive. A Division/Office/Center (DOC) can define its own metadata structure and data hierarchy rules, and grant permission to users on a need-to-know basis.  ==============================================================  **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  ==============================================================  **3.0 New Features and Updates**  ==============================================================  The following features enhancements and bug fixes have been incorporated in this release:  **Enhancements:**  **REST API:**  HPCDATAMGM-1049: Added the capability to register a file from an AWS S3 bucket to the Archive. A new API (version 2) to register a file is now available. The new version provides the ability to synchronously register a file from local machine, asynchronously register a file from a Globus endpoint, asynchronously register a file from an S3 endpoint, or request an upload URL.  This provides the ability to synchronously download a file to the users machine, asynchronously download a file to an S3 bucket, or download to a Globus endpoint. For details, please refer to section 5.26 of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx).  The current version to download a file is being deprecated and will be removed in a future release.  HPCDATAMGM-1050: Added the capability to transfer multiple files or collections from an AWS S3 bucket to the Archive. A new API (version 2) to perform bulk registrations is now available. The new version will provide the ability to asynchronously register a set of files or collections from one or more Globus endpoints, as well as from one or more AWS S3 endpoints. For details, please refer to section 5.29 of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx).  The current version to download a collection (to a Globus endpoint) will be deprecated and will be removed in a future release.  HPCDATAMG-1053: Bookmarks added to a group with now automatically get associated with all the users in the group. Thus when a bookmark is added to a group, all users in that group will also get that bookmark. When a user is added to a group, the user will get all the bookmarks already in that group.  To add a bookmark to a group, use the same API that is used to add a bookmark to a User. For additional details, please refer to section 5.56 of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx).  **Bug Fixes:**  HPCDATAMGM-1025: Fixed issue of the ‘Fake path’ string getting prepended to the file name after browsing the file in the GUI while performing registrations.  HPCDATAMGM-1026: Fixed issue of incorrect error message being displayed when trying to register a file that already exists.  HPCDATAMGM-1023: Fixed ordering of dropdown lists on the Reports page.  HPCDATAMGM-1025: Fixed layout of columns on the permissions page.  **Operational/Performance Improvements:**  HPCDATAMGM-1052: Added an internal API to refresh (reload) configuration data from the database. This will enable updates to configuration data (including data hierarchy, collection and object metadata validation rules) and setup of new configuration data to be performed without requiring system restart.  HPCDATAMGM-1055: Reduced the status check interval for pre-signed URL upload from once a minute to every 20 seconds. This will enable scripts calling this command to wait less to obtain confirmation of upload.  ==============================================================  **4.0 Bug Reports and Support**  ==============================================================  For issues, questions or suggestions, please email ncidatavault@nih.gov  ==============================================================  **5.0 Documentation**  ==============================================================  For instructions on how to use the Web User Interface, please visit <https://wiki.nci.nih.gov/display/DMEdoc/DME+User+Guide>  For the CLU command usage instructions, please refer to the DME User Guide located at  <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_User_Guide.docx>  For details on the REST API, please 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 (for Web Interface only presently)  <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> |