**HPC DME 1.3.0 Release Notes**

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| Release Name: HPCDME-1.3.0  Version 1.3.0  September 15, 2017  ================================================================                              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 HPC DME, High Performance Computing Data Management Environment, is an adaptable and open ended data storage environment supporting storage and management of biomedical and informatics data, produced from various lab or clinical systems. HPC DME provides capabilities for storing, managing, transferring and sharing data across different systems securely and efficiently.  Users can store data objects on HPC DME object archive, share and transfer their data such that they do not have to redistribute or maintain copies of the data on other systems. HPC DME stores and associates user defined metadata to any registered data at different levels of data life cycle, enabling the environment not only to help identify the data but also to enhance the search and download data files (from archive) capabilities.  ================================================================                        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  ================================================================                        3.0 New Features and Updates  ================================================================  This release had made several API, Web UI, Client Utility improvements and bug fixes.  **Web UI Features:**   * **Create Collection**: Create a collection and its associated metadata. Collection metadata form is displayed based on defined metadata policies. Validation is done before submitting collection to the API. * **Register Data file:** Register a data file synchronously along with its metadata. Data file metadata form is displayed based on defined metadata policies. Form validation is done before uploading data file to the API. * **Browse Pop-up Menu**: Pop-up menu to conveniently add collection or data file to populate destination path. * **Task Id**: Display asynchronous download Task Id to track.   **CLI Utility:**   * **Include/Exclude**: The utility provides option to include or exclude files based on simple expression pattern to synchronously register files from a folder and its subfolders. * **Parse Metadata files**: The utility processes metadata file (with extension .metadata.json) co-located with the data file.   **API:**   * **Non-blocking downloads:** Immediate response for asynchronous download request for collections independent on the collection size (number of dataObjects and sub-collections). Added retry mechanism to Globus – effectively eliminated failures * **Globus Authentication:** Upgraded API to use Globus Auth2 authentication for asynchronous data transfers * **Automated testing and reporting:** Added scripts to run automated DICE tests at scheduled intervals and send consolidated report via email * **Notifications:** One single notification for all files in a collection download. Download/Upload notification use endpoint name instead of UUID.   Issues:   * [HPCDATAMGM-778](https://tracker.nci.nih.gov/browse/HPCDATAMGM-778) - Browse by entered path * [HPCDATAMGM-834](https://tracker.nci.nih.gov/browse/HPCDATAMGM-834) - Cannot create a collection under DOC base path * [HPCDATAMGM-824](https://tracker.nci.nih.gov/browse/HPCDATAMGM-824) - Register a collection or data file through UI not working properly * [HPCDATAMGM-813](https://tracker.nci.nih.gov/browse/HPCDATAMGM-813) - INTEGRATED\_SYSTEM\_ERROR * [HPCDATAMGM-811](https://tracker.nci.nih.gov/browse/HPCDATAMGM-811) - Non-blocking asynchronous download * [HPCDATAMGM-762](https://tracker.nci.nih.gov/browse/HPCDATAMGM-762) - Cannot subscribe to notification * [HPCDATAMGM-779](https://tracker.nci.nih.gov/browse/HPCDATAMGM-779) - Bookmark browse path * [HPCDATAMGM-759](https://tracker.nci.nih.gov/browse/HPCDATAMGM-759) - Group creation for system administrators at UAT and Web GUI Production * [HPCDATAMGM-771](https://tracker.nci.nih.gov/browse/HPCDATAMGM-771) - Last updated data time   Additional details about these supported features and use scenarios for HPC DME release can be found at HPC DME General Training on the project GitHub:  <https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/training/HPC_DME_General_Training.docx>  ================================================================                     4.0 Bug Reports and Support  ================================================================  The preferred approach is to first search the HPC Agile Board for your issue or feature enhancement if you have the access privilege (<https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=244>).  When there is no entry in the JIRA Tracker, feel free to post your question to the Tracker.  Users are welcome to email their problem or feature request through email to: [HPC\_DME\_Admin@nih.gov](mailto:HPC_DME_Admin@nih.gov).  ================================================================                          5.0 Documentation  ================================================================  The HPC DME Server API, User Guide, Admin Guide documentation, and related documentation can be found on the project's GitHub:  <https://github.com/CBIIT/HPC_DME_APIs/tree/master/doc/guides>  Training related documentation and presentation may be found on the following GitHub directory:  <https://github.com/CBIIT/HPC_DME_APIs/tree/master/doc/training>  ================================================================                          6.0 References  ================================================================  The following URLs access web pages relevant to HPC DME.  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/> |
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