**HPC DME 1.4.0 Release Notes**

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| Release Name: HPCDME-1.4.0  Version 1.4.0  November 6, 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  v1.4.0 - November 6, 2017  ================================================================                        3.0 New Features and Updates  ================================================================  This release had made several API, Web UI, Client Utility improvements and bug fixes.  **Web UI Features:**   * **Bookmark path**: Bookmark browsed path in the browse page. * **Metadata policies by Base Path:** Updates to UI to support metadata policies by DOC Base path. Following pages are updated:   + Create / Update User   + Summary Reports   + Create collection / Data file   + Browse * **Navigate by Collection URL**: Navigate to a collection details by using its URL. * **Search**: Search all levels by default for data object search in the GUI * **Browse:** Scroll back to clicked location on Browse * **Download:** Enable download of subset of collections or data objects in one action * **Track Download tasks:** Check status on download tasks with summary information exposed for the overall task ID.   **CLI Utility:**   * Option to register metadata only * Confirmation from the user before registration * Process collection metadata if there is a corresponding file with the name <directory>.metadata.json   **API:**   * **Globus Application Account:** Use Globus Application Account to enable data transfers between HPC DME API and User Globus Endpoint. This replaces HPC DME Service account limited with account expiration. * **Download Tasks:** API to get active and inactive download tasks list * **Metadata Policies by Base Path:** Allow to set metadata policies by DOC Base path. Each DOC may have more than one base path. * **Register:** Register list of data objects * Process asynchronous upload and download requests in chronological order * Checksum: Validate 1st hop data transfer with client provided checksum value   **Issues:**   * [HPCDATAMGM-849](https://tracker.nci.nih.gov/browse/HPCDATAMGM-849) - Cancel button on Collection, data file registration * HPCDATAMGM-759 - Group creation for system administrators at UAT and Wb GUI Production * [HPCDATAMGM-834](https://tracker.nci.nih.gov/browse/HPCDATAMGM-834) - Cannot create a collection under DOC base path * [HPCDATAMGM-833](https://tracker.nci.nih.gov/browse/HPCDATAMGM-833) - Handle Globus file\_not\_found * [HPCDATAMGM-832](https://tracker.nci.nih.gov/browse/HPCDATAMGM-832) - Collection registered with 2 different collection\_type system metadata * [HPCDATAMGM-824](https://tracker.nci.nih.gov/browse/HPCDATAMGM-824) - Register a collection or data file through UI not working properly   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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