**HPC DME 1.9.0 Release Notes**

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| Version: 1.9.0  Date: November 20, 2018  ================================================================  **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  ================================================================  **3.0 New Features and Updates**  ================================================================  The following features enhancements and bug fixes have been incorporated in this release:  **Enhancements:**  **Web UI:**  HPCDATAMGM-1006 – Added ability to register bulk data with metadata from the UI. The metadata can be input through a spreadsheet. The details, please refer to [Registering Data in Bulk via the GUI](https://wiki.nci.nih.gov/display/DMEdoc/Registering+Data+in+Bulk+via+the+GUI) section on the Wiki User Guide.  **CLI/CLU:**  HPCDATAMGM-1007 – Added CLU for bulk move/rename of files and collection. For details, please refer to the [DME User Guide](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_User_Guide.docx)  .  **REST API:**  HPCDATAMGM-1034 – Added ability to provide metadata for parent and higher level collections in the Register Collection, Register Data File and Bulk Data File Registration APIs. For details, please refer to the sections 5.14, 5.24 and 5.25 respectively of the [DME API Specification](https://github.com/CBIIT/HPC_DME_APIs/blob/master/doc/guides/HPC_API_Specification.docx)  **Bug Fixes:**  HPCDATAMGM-972 –Cleaned up log file generation in the CLU working directory as follows:   * Removed generation of log files hpc.log and hpc-http3\*. * The full path of the log file hpc-cli.log can be specified in the **hpc.log.file** property of the hpcdme.properties file. * The full path of the parent directory of the result and error files can be specified in the **hpc.error-log.dir** property of the hpcdme.properties file.   HPCDATAMGM-1004 – Fixed issue with default level not being set to All while executing searches through CLU. This was causing 204 result code to be generated when searching for a data object using parent metadata. Results were obtained only when the level was explicitly set to 1.  ================================================================  **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.  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> |