Release Notes — Muse release

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1.0

Detailed listing for Muse 2600 Release

1.1 Main features in Muse Release 2.6.0.0

Release Date: 2012-06-26

Muse 2.6.0.0 is the full release of the Partner Source Factory. This allows a Partner to license a Partner Source Factory Product consisting of 1) a Distributed Source Factory, and 2) a Partner Source Build Environment which allows Partners to build their own Source Packages.

The Partner Source Build Environment comprises tools to write and test new Connectors and Source Package Configuration files, and tools to build and upload them as Source Packages for distribution from the partner's local instance of the Distributed Source Factory to customer applications. Existing utilities including the Automated Source Update tool may be run against the local Source Factory. The tools are those that have been in use by MuseGlobal programmers for a number of years, but all have been substantially improved for ease of use and to correct minor bugs.

The Distributed Source Factory is updated from both the Global Source Factory and the Partner Source Build Environment.

While working on the Partner Source Factory product, a number of general Source Factory efficiencies and improvements have been introduced, including improvements to the underlying XML DB Management System and XQueries. This provides faster updates, amonst other improvements.

This is the first Muse release to have had full functionality testing under Java 1.7, in addition to Java 1.6. A number of small changes were made to ensure compatability.

Requests for orders for new Sources may now be sent directly from an 'Order New Source' form in the MCAA (Muse Console for Application Administrion) and related consoles.

The ASU (Automated Source Update) task has had a number of improvements for speed and efficiency

On shutdown, it was possible for Tomcat to shut down before the eXist database had time to exit completely. This could lead to corruption in the eXist database. An added variable in the Embedded Tomcat script now ensures that the eXist database will shut down cleanly first

Harvesting and Alerts functionality have had many improvements, including application interface changes for managing alerts.

New Muse Mobile application using JQueryMobiledevice

New Muse Foundation application based on JQuery

There is now a complete separation between installing Muse and installing Muse Proxy. Muse Proxy is no longer included in the Muse Installation package, and may be installed only from the Muse Proxy installer.

A few of the more noteworthy changes are mentioned below. To view a full listing of all bug fixes and new functionality included in Muse 2.6.0.0 use the Detailed Changes link.

The main changes are described below. Use the Detailed changes link to see a full listing of all changes.

1.1.1 Muse Statistics Monitor

1   Added new Muse Monitor analysis modules to analyze Muse Proxy statistics logs, including bandwidth and 95 percentile.

2   Added support for Application Bandwidth sampling from Muse Web Bridge.

3   Bug fixes including correction to the 'last month' statistics geneneration for 31 day months.

4   Changes to methods of writing the CSV output files now provide consistent handling from all modules. In some cases the handling of statistics where queries use quotes, and multiword queries , could cause problems in the output file.

5   Many additional small improvements

1.1.2 Muse Administrator and Consoles

1   The actions that deal with critical files are now synchronized in Muse Admin.

2   Changes to handling non-search Source Packages (e.g. writers) to make them more self-contained and consistent with Search sources. Note, this requires a patch to be used after upgrading to Muse 2600. This is an MCAA patch to be applied over all Muse applications. It transforms INSERT modules to WRITER modules.

3   MCAA: When a Source Package is backed up the size (in bytes) is reported on succesful completion.

4   MCAA: Application patches may now be installed from a local file, in addiiton to a remote file

5   MCAA: New configuration parameter for enabling/disabling Patron Pin in application interface displays

6   MCAA: New Report containing details of applications is available (found under 'Source Audit'). This includes creation date, application used as a template, and version information. Associated filters allow for including applications based on creation and expiry date, and base template used.

7   MCAA: Protocol-aware Source editing templates for simpler Source configuration

8   MCAA: Useablility improvements including making mandatory fields more immediately re cognisable.

9   MCAA: The link "Defunct with Replacement" under "Applications->Application->Source Actions -> Mark" was renamed "Sources with Replacement".; The link "Use Replacement for Defunct Source(s)" from the "Select one or more Sources to:" panel was renamed "Use Replacement for the Source(s)"; For sources having production status "Defunct with Replacement" the label under the Source name is now "Defunct. Use ${SOURCE_ID}."; For sources having production status "Duplicate" label under the Source name is now "Duplicate. Use ${SOURCE_ID}.".

10   Updating Sources has been improved to use a 3-way merge for configuration profiles to ensure that a field from an old profile is kept if and only if it was customized. In order to check if a field was customized the current value from disk is compared with the old source profile stored in SP profile. If the old SP profile is not available, then 2-way merge is performed. In this case, fields that start with ${MODULES_HOME} or ${APPLICATION_HOME} are not merged in the new profile.

11   Improvement to cleanup of tmp files. The ${MUSE_HOME}/admin/tmp directory is used to create various temporary files by Muse Admin servlet. Normally, the temporary files are deleted when user sessions are closed or servlet is destroyed. But, in some cases deleting these files failed(e.g. JVM is killed or files are in use).

12   MCAA: Added configuration option to include saving the result set as a PDF as an application interface choice.

13   MCAA: Content Mining thesauri can be editied through the concole. New Content Mining keys can be added using Update interface

14   Added "Edit" functionality in the "Update Interface" screen, to all modules available in MCAA console. It allows users to edit the name of the module as it appears in the application interface.

15   All lists displayed in the MCAA interface are now paginated. Added filters on all lists.

16   All sections from MCAA console were revised and added messaging functionality in order to inform users about the result (fail, successful, other) of the current operation (update, import, export, etc).

17   Added "Edit" functionality in the "Update Interface" screen, to all modules available in MCAA console. It allows users to edit the name of the module as it appears in the application interface.

18   All lists displayed in the MCAA interface are now paginated. Added filters on all lists.

19   All sections of the MCAA console were revised to add messaging functionality to inform users if

the current operation has is successful or has failed..

1.1.3 Muse Setup

1 New Partner Source Factory products inlcuded in Setup

1.1.4 Muse Source Factory

1 Added a new filter to search by Protocol in the Source Factory Web Interface

2 Many changes for Partner Source Factory, including enforcement of unique Source IDs.

3 Many improvements and small fixes

1.1.5 Muse Applications and Connectors (Miscellaneous)

1 Updated the profile.xml template file as well as the ${APPLICATION_HOME}/profile.xml for all Muse Maintained applications from ${MUSE_HOME}/home directory to contain the VENDOR and PRODUCT metavariables. This allows a partner to override the Muse Vendor and Product names with Vendor or customer-specific names.

2 The SIP2 connector now allows for vendor extensions and variations from the standard.

3 New Writer modules for updated RefWorks and QuickBib modules

1.1.6 Muse Core

1 Support for mulitple Meters in an application

2 Many improvements to alerts and harvesting mechanisms and configurations

3 MediaDownloader improvements In case of large feeds. Too many URLs were parsed and stored internally waiting for DownloaderThreads to process them. This was fixed by adding a pause when too many URLs are queued in the main memory. Processing resumes as places in the processing queue become available.

4 The previous ICE implementation contained workarounds when PPMS,PWMS (Personal User Profiles, Workrooms) and GAMS (Global Authentication Management System) were not used by the system. This resulted in a performance drop. To prevent this, new flags may be set to true only when they are actually needed.

1.1.7 Muse Web Bridge

1 Flags for disabling the PPMS, PWMS can be set to false if they are not required in the Web Bridge, as for the ICE server. With these flags set to false in the configuration file the system no

longer tries to create the internal objects leading to an increased performance.

1.1.8 Muse Control Center

1   Rationalisation of directory structure for easier maintenance of Control Center Tasks.. Stylesheets and form folders now have the task name as a prefix.

2   Support for SSL in connections to Infobase. Fix to SMTP over SSL

3   New Control Center Tasks for Partner Source factory

4   Additional email configuration option – retries.

5   Many user interface improvements

1.1.9 Muse Source Package Assistant

1   Many small fixes and improvements including additional 'Help'

1.1.10 Muse Source Package Testing tool

1   Updated the help mechanism for the SPTesting tool to use the JavaHelp library. The functionality added required a "Help..." button in the toolbar of the SPTesting tool. By clicking on this button the help window will be displayed with information about the currently active section of the tool.

1.1.11 Muse Search Query Translator Generator (SQTG)

1   Support for generating XML Queries – previously hand coded.

2.0

Detailed listing for Muse 2500 Release

2.1 Main features in Muse Release 2.5.0.0

Release Date: 2010-10-18

This release contains a number of fundamental changes to provide a state of the art foundation for both federated search and harvesting applications.

The most immediately noticeable change is the replacement of the Muse HTTP Server with an embedded Apache Tomcat server, to take advantage of the many reliability and memory optimization im provements in more recent Tomcat releases. Muse Setup installs the server configured ready for use as a direct replacement for the Muse HTTP Server.

The XML DBMS used for the Local and Global Infobases, Personal Users, and User Workrooms has been upgraded to use the latest version of eXist, 1.4. IMPORTANT NOTE: An upgrade to Muse Release 2.5.0.0 from an earlier version requires the DBMS to be converted to use eXist 1.4 prior to running the ICE server after a Muse Release upgrade is installed.

The other major change is that support for the older series of Administration Consoles (Muse Ad ministrator Console, (Muse Setup and Muse Designer Console) is discontinued. Only the Muse Console for Application Administration (MCAA) and consoles based on this are now supported. The earlier series of consoles are now deprecated, and the Installer replaces them with the MCAA consoles. Users attempting to access them will be presented with a notification page. Many improvements to the MCAA are included in the release, including the ability to replace defunct sources with their designated equivalents through the Console.

The Automatic Source Update task, which provides a scheduled service to ensure that the applications are kept up to date with the latest versions of Source Packages, has a number of efficiency improvements which provide a substantially faster completion. At the same time, changes have been made to the Muse

Control Center to make configuration for additional applications and Sources more automatic, while still providing the ability to override the automatic configuration.

Support for alternative Data Models throughout the software is one of the biggest changes in this release and will be of interest to partners wanting to search or harvest from non-bibliographic data.

Other internal changes include many improvements to the Muse Connectors Generator and other source building tools, resulting in more consistent connector builds across many types of connectors and protocols, and faster update times for HTTP connectors. Source Packages now include a metadata file containing information about the Source Packages. This allows Source Packages to become more fully self-contained, rather than using external files such as Search.xml.

The main changes are described below. Use the Detailed changes link to see a full listing of all changes.

2.1.1 Muse Core and Modules: Support for alternative data models

1   In previous releases the majority of the records returned by Muse connectors were based on Bib liographic data models. This was extended to include fields for data from a number of more specialised connectors. As the number of specialised connectors covering non-bibliographic data has grown, the need for mechanisms to support the use of more appropriate data models became apparent. The ability to build or include additional data models allows for connectors covering a variety of data to be mapped and built as easily as the more traditional bibliographic connectors. The support for alternative data models extends to core modules such as Ranking Keys, as well as User Interfaces. The existing data model with full coverage of Bibliographic data and some additional fields continues to be the default data model, and the majority of existing customers will notice no change.

2   Improvements to the output side of Muse Harvesting including additional filter, writer and validation modules. A new Record Tracking System for use in certain types of Harvesting and Record processing applications, allows for more flexible reprocessing workflows.

2.1.2 Muse Administration Console changes

1   The Source Problem Report form in the MCAA now includes an option to attach a file (screenshot etc) to the Problem Report directly from the Console.

2   The MCAA offers now the possibility to replace defunct sources with their designated equivalents through the Console.

2.1.3 Muse Control Center

1   A number of improvements to the Muse Control Center User Interface have been included in this release, among them improved layout and organisation of tabs for Source Checker and

Automatic Source Update (ASU) task configuration, and additional Help text.

2   ASU task: A number of improvements have been made to the ASU task. Changes to the algorithm have resulted in a considerably shorter execution time.

3   An option has been added to ensure that modulesutil.jar file is updated in all applications. It is no longer dependant on a Source Package being updated. Improvements have been made to the selection of sources and applications, including automatic inclusion of all new sources on an application unless overridden manually.

2.1.4 Muse Setup

1   For partners licensing use of either the Muse Web Bridge or the Muse Admin API, Muse Setup mow installs Communication Interface Kit products: 1.Muse Web Bridge Communication Interface Kit which includes testXMLAPI tool and Muse Web Bridge Communication Interface.pdf manual and 2.Muse Admin Communication Interface Kit which includes MuseAmin Client tool. Previously, the components were not part of the Muse Setup Installer and were distribute only manually.

2   Additional configuration script files have been added to hold the parameters for the startup scripts for Muse ICE Server, the Embedded Apache Tomcat installation, Muse Proxy and Muse Bridges. This ensures that local configurations are not overwritten during a Muse upgrade.

2.1.5 Statistics Monitor

1   The "All Excel XML" and "All csv" Muse Statistics Monitor modules can now work with very large log files (up to 8GB).Changed the location of MuseLogAnalysis.xml from $MUSE_HOME\monitor\support\ to $MUSE_HOME\monitor\.

2   Improvements to aggregating statistics from multiple servers.

By excluding internal user processes, more accurate end user and login failures statistics are produced.

3.0

Detailed listing for Muse 2400 Release

3.1 Main features in Muse Release 2.4.0.0

The main items in this release are outlined below. This release incorporates Bug Fixes and New Features from Muse 2.3.3.0 recompiled to make use of Java 1.6, together with a small number or additional items. For details of all items refer the full listings under Details.

3.1.1 Applications

1   A Harvesting Foundation application has been added to the series of Muse base Foundation ap plications, for use where harvesting or buzzmeter functionality is licensed. t provides additional configuration options for setting up and managing this functionality.

2   Version information has been introduced to the Muse Foundation applications.

3   A new screen to make use of new Source-specific limits functionality has been added to the internal Foundation demo application. Note that this is not yet supported in the released Muse Foundation.

3.1.2 General Efficiency improvements

1   Code in a number of areas has been tightened up to maximize throughput on heavily-used systems.

2   Muse Proxy changes to streamline MNM rewriting to use less memory and fewer rewrites.

3.1.3 Statistics Monitor

1   Larger statistics files can now be handled in Excel by splitting them across workbooks.

2   Command line parameters allow for files from a number of locations to be analyzed together, in the same way as the Graphical Interface.

3   The last used directory is retained for use in the next Statistics Monitor session.

3.1.4 Bridges and API

1   A new tool, TestXMLAPI, was created to provide a simple GUI client to test action commands and associated parameters and see the response records. It is intended to be used in conjunction with the Muse Web Bridge Communications Interface documentation by anyone licensed to use the API.

3.1.5 Muse Source Factory

1   Added the Home URL to the SAR (Source Admin record) used in the main Sources listing in the Source Factory Interface. Previously only the Search URL, and the Host URL were available in the record detail.

2   Changes to the Source Repacker and Test History records have improved Source upload times.

3   Rationalized Production Statuses and prevented download of SP with status other than Released.

3.1.6 Muse Test procedures

1   Improvements to Test Factory to speed up testing, allowing for testing on additional browsers.

2   Created additional benchtests for high load testing.

3.1.7 ICE Server

1   Allow for multiple ProxyPac entries to provide failover proxy servers.

2   Changes to ICE server responses to pass back both Error Codes and Error Keys in response messages.

3   Parameters to a Search action may now include individual queries for some sources. This allows for use of different limiters, for example, to be sent to some sources, according to the capability of individual sources.

3.1.8 Admin and Consoles

1   It is now possible to configure "Banded Retrieval' completely through the Console.

2   All Console interface text has been moved to external files, allowing for customization or translation.

3   Tightened up all Console code to ensure complete Unicode compliance, allowing for use of Greek or Chinese, for example, in parameters and queries (other than in IDs).

4   Allows for SSL connections between the Admin Bridge and ICE server.

4.0

Detailed listing for Muse 2330 Build

4.1 Main features in Muse Build 2.3.3.0

The main items in this release are outlined below. This release includes Bug Fixes and New Features from Muse Builds 2.3.2.1 and 2.3.2.2 in addition to 2.3.3.0. For additional items and information refer to the full listings under Details.

4.1.1 Applications

1   A Harvesting Foundation application has been added to the series of Muse base Foundation ap plications, for use where harvesting or buzzmeter functionality is licensed. t provides additional configuration options for setting up and managing this functionality.

2   Version information has been introduced to the Muse Foundation applications.

3   A screen to make use of new Source-specific limits functionality has been added to the Foundation application.

4.1.2 General Efficiency improvements

1   Code in a number of areas has been tightened up to maximize throughput on heavily-used systems.

2   Muse Proxy changes to streamline MNM rewriting to use less memory and fewer rewrites.

4.1.3 Statistics Monitor

1   Larger statistics files can now be handled in Excel by splitting them across workbooks.

2   Command line parameters allow for files from a number of locations to be analyzed together, in the same way as the Graphical Interface.

3   The last used directory is retained for use in the next Statistics Monitor session.

4.1.4 Bridges and API

1   A new tool, TestXMLAPI, was created to provide a simple GUI client to test action commands and associated parameters and see the response records. It is intended to be used in conjunction with the Muse Web Bridge Communications Interface documentation by anyone licensed to use the API.

4.1.5 Muse Source Factory

1   Added the Home URL to the SAR (Source Admin record) used in the main Sources listing in the Source Factory Interface. Previously only the Search URL, and the Host URL were available in the record detail.

2   Changes to the Source Repacker and Test History records have improved Source upload times.

3   Rationalized Production Statuses and prevented download of SP with status other than Released.

4.1.6 Muse Test procedures

1   Improvements to Test Factory to speed up testing.

2   Created additional benchtests for high load testing.

4.1.7 ICE Server

1   Allow for multiple ProxyPac entries to provide failover proxy servers.

2   Changes to ICE server responses to pass back both Error Codes and Error Keys in response messages.

3   Parameters to a Search action may now include individual queries for some sources. This allows for use of different limiters, for example, to be sent to some sources, according to the capability of individual sources.

4.1.8 Admin and Consoles

1   It is now possible to configure "Banded Retrieval' completely through the Console.

2   All Console interface text has been moved to external files, allowing for customization or translation.

3   Tightened up all Console code to ensure complete Unicode compliance, allowing for use of Greek or Chinese, for example, in parameters and queries (other than in IDs).

4   Allows for SSL connections between the Admin Bridge and ICE server.

5.0

Detailed listing for Muse 2320 Build

5.1 Main features in Muse Build 2.3.2.0

5.1.1 Muse Admin

This release provides new functionality in the Muse Console for Application Administration (MCAA) and associated Consoles to allow for easier administration where large numbers of customer applications are supported on a single Muse Installation.

1. The list of applications may be displayed page by page, with 'skip' functionality available to move between pages.

2. The number of applications listed per page may be changed.

3. The list of applications is searchable, within the application full name, and by application ID. A list of Application IDs may be entered, and partial or full matches are supported.

4. An Export to CSV option in the Source Test output window in the MCAA now provides a reord of the results of a Source test.

5. SSL may now be used for communication between the Source Factory and the MCAA.

5.1.2 ICE Server

Changes have been made to the way that temporary result sets files are cleaned up. Previously, the cleanup only took place when there was no active session for a given application. On heavily used systems, this could result in very large numbers of temporary files, with a subsequent decline in performance. Now, files associated with a session are removed from the index as soon as a session is closed. A low priority thread subsequently cleans up those files from the disk.

5.1.3 Muse Modules

New functionality allows a Search to check each included Source to identify any Limiters (e.g. Full Text, Peer Review, Language or Date limiters) sent as part of the search that are not supported by that Source. This information may be made available to the user as part of the Search Progress display. An optional configuration allows the search to terminate for any source where a limiter is not supported. The default configuration allows the search to run, ignoring the unsupported Limiter. The option may be configured through the NCAA. Source Packages with support for this capability have been available since January 10th. Older Source Packages must be updated to take advantage of this functionality. The full listing of changes and bug fixes in this release may be found under the detailed changes listings for Builds 2320.

6.0

Detailed listing for Muse 2302 Build

6.1 Main features in Muse Build 2.3.0.2

A new 'self-cleaning' cache is now used to hold internal stylesheets. The cumulative effect of caching styesheets could lead to OutOfMemory errors over time. This was previously available as Patch 080611-ICE-ICEXslUtil-Cache.

An improvement to the Muse Control Center has been included in this build. It allows the list of ap plications included in the Automatic Source Update task to be read dynamically. If the task is configured to update the task list at runtime no further manual configuration is required when an application is created or deleted.

7.0

Detailed listing for Muse 2301 Build

7.1 Main features in Muse Build 2.3.0.1

This minor release was build to take advantage of the new release of the eXist DBMS which is used to manage the Muse InfoBases. The eXist release 1.2.2 fixes a long-standing memory leak which has been affecting the Muse databases. This release also adds bug fixes for two potential problems on Muse in stallations under extreme load conditions. Other fixes and features may be found under the Release Notes for Muse Release 2.3.0.0.

8.0

Detailed listing for Muse 2300 Release

8.1 Main features in Muse Release 2.3.0.0

8.1.1 Muse Admin

This release introduces a new Console for administration tasks. The main features are:

- A single console combining functionality previously delivered through the Muse Administrator Console, Designer Consoles, and Source Consoles. This full set of functionality is intended for ad ministrators of a Muse installation.

- 'Views' to define and provide subsets of the functionality to different classes of administrator. Since these are views based on a single underlying set of console pages, this simpler framework will allow us to introduce new functionality more easily in future releases.

- 'Skins' to provide partner branding. This, together with the 'views' allows us to provide partner-specific consoles without an increase in the maintenance overhead.

- New functionality to configure application interface options through the console (may require an application upgrade). Configurable functionality includes:

  - The ability to use skins

  - Allow language switching and language default

  - Banner image and text

  - Default search options and source display

  - Enable or exclude functionality on interface (e.g. personal user options, export formats, MARC record display etc)

  - Configure session timeouts

- New functionality for administration of Personal Users

- New functionality for administration of Content Mining

Existing consoles are still supported in this release, allowing administrators the choice of continuing to use the consoles they are familiar with or the new console. Starting from this release, new functionality will only be added to the new console.

8.1.2 Muse Control Center

The Muse Control Center is increasingly being used to automate routine administration tasks. A number of enhancements to the Control Center allow tasks of increasing complexity to be scheduled in this way.

8.1.3 Muse Proxy/Muse Navigation Manager (MNM)

- The Muse Navigation Management (MNM) component of Muse Proxy has been split from Muse Proxy, allowing updates to this component through the Source Factory.

- Correction to TinyURL processing used for long urls generated through Muse Navigation Management. These are now associated with the Proxy that generated them, correcting errors where multiple proxies were in use.

- Full use of Navigation Management for non-search modules including record enrichment. and export to RefWorks

8.1.4 Core software

- Source Ranking (which allows for configuring a priority order for groups of sources) is now available as a post-search action, in addition to the original in-search implementation (application upgrade required)

- A number of changes to improve performance and resource usage had been made, including: – making greater use of timeouts throughout the code – Using java code in place of stylesheets in internal code

- A number of bugs related to UTF-8 character set encodings have been corrected.

- Support for lost password recovery (requires application update)

- Tracking of last login date for Personal Users

- The ICE log mechanism now allows the log files to be rotated based on calendar interval in addition to log file size.

8.1.5 Application functionality

The following new functionality is available in the Muse Foundation application (requires an upgrade for other applications)

- Switchable functionality (through a standardised configuration file – applicationOptions.db)

This allows for configuration through Muse Consoles as standard application switches

- define the application name

- choose the application skin from the list of available skins

- enable/disable the language selection combobox

- choose the default language

- custom header (image, HTML URL, HTML text as in csa application)

- ability to select the default value for the items in the search options screen

- show/hide the sources searched on initial screen

- expand Groups of Sources

- enable/disable Mark/Clear all Sources

- enable/disable Search History

- enable/disable Saved Searches

- enable/disable Workroom

- enable/disable Alerts

- enable/disable My Account (Personal profile)

- enable/disable MARC Display

- enable/disable Open URL

- enable/disable Manage Topics

- enable/disable export to RIS format

- enable/disable export to EndNote format

- enable/disable the logoff button

- enable/disable session timeout

- define the period of time (in minutes) for session timeout

- define the period of time (in minutes) when the Session Timeout Reminder is displayed

- Interface options for special modules

  - Configuration for Dedupe Keys (through the dedupe.db file)

    - the DeDupeKeysOrder group defines the order in which the Dedupe Keys will appear in the application www interface

    - setting the DeDupeKeysOrder group to be disabled will deactivate the Dedupe functionality from the application www interface

    - setting one of the keys in the DeDupeKeysOrder group to be selected by default will make that Dedupe Key to be selected and used as the default Dedupe Key in the application www interface

- setting some keys from the DeDupeKeysOrder group to be disabled will make them appear as disabled in the list of available keys from the application www interface

- setting some keys from the DeDupeKeysOrder group to be hidden will make them no longer appear in the list of available keys in the application www interface

- Configuration for Jitterbug Keys (through the jitterbug.db file)

  - the EnrichOnDemandKey group defines the Jitterbug Keys that will be used for Enrich action in the application www interface

  - setting the EnrichOnDemandKey group to be disabled will deactivate the Enrich functionality from the application www interface

  - the PurchaseOnDemandKey group defines the Jitterbug Keys that will be used for Purchase action in the application www interface

  - setting the PurchaseOnDemandKey group to be disabled will deactivate the Purchase functionality from the application www interface

- Configuration for Ranking Keys (through the ranking.db file)

  - the RankingKeysOrder group defines the order in which the Ranking Keys will appear in the application www interface

  - setting the RankingKeysOrder group to be disabled will deactivate the Ranking functionality from the application www interface

  - setting one of the keys in the RankingKeysOrder group to be selected by default will make that Ranking Key to be selected and used as the default Ranking Key in the application www interface

  - setting some keys from the RankingKeysOrder group to be disabled will make them appear as disabled in the list of available keys from the application www interface

  - setting some keys from the RankingKeysOrder group to be hidden will make them no longer appear in the list of available keys in the application www interface

- Configuration for Hold modules (through the hold.db file)

  - the Holds group defines the list of Hold modules from which it can be chosen the application Hold Module to be used in the www interface

  - setting the Holds group to be disabled will deactivate the Hold functionality from the application www interface

  - setting one of the Modules in the Holds group to be selected by default will make that Module to be selected and used as the default Hold Module in the application www interface

  - setting some modules from the Holds group to be disabled will prevent the application Hold module to be set to one of the disabled modules

- Configuration for Patron Modules (through the patron.db file)

  - the Patrons group defines the list of Patron modules from which it can be chosen the

application Patron Module to be used in the www interface

- setting the Patrons group to be disabled will deactivate the Patron functionality from the application www interface

- setting one of the Modules in the Patrons group to be selected by default will make that Module to be selected and used as the default Patron Module in the application www interface

- setting some modules from the Patrons group to be disabled will prevent the application Patron module to be set to one of the disabled modules

- Configuration for ILL modules (through the ill.db file)

  - the ILLRequests group defines the list of ILL modules from which it can be chosen the application ILL Module to be used in the www interface

  - setting the ILLRequests group to be disabled will deactivate the ILL functionality from the application www interface

  - setting one of the Modules in the ILLRequests group to be selected by default will make that Module to be selected and used as the default ILL Module in the application www interface

  - setting some modules from the ILLRequests group to be disabled will prevent the application ILL module to be set to one of the disabled modules

- Configuration for ShoppingCart Modules (through the shopping.db file)

  - the ShoppingCartKeysOrder group defines the ShoppingCart Modules that will be used in the application www interface

  - setting the ShoppingCartKeysOrder group to be disabled will deactivate the ShoppingCart functionality from the application www interface

  - setting some modules from the ShoppingCartKeysOrder group to be disabled will make them appear as disabled in the list of available modules from the application www interface

  - setting some modules from the ShoppingCartKeysOrder group to be hidden will make them no longer appear in the list of available modules in the application www interface

- Configuration for Writer Modules (through the writers.db file)

  - the WritersOrder group defines the Writer Modules that will be used in the application www interface

  - setting the WritersOrder group to be disabled will deactivate the writer functionality from the application www interface

  - setting some modules from the WritersOrder group to be disabled will make them appear as disabled in the list of available modules from the application www interface

  - setting some modules from the WritersOrder group to be hidden will make them no longer appear in the list of available modules in the application www interface

- Configuration for Content Mining modules (through the distill.db file)

- the DistillKeysOrder group defines the Content Mining Modules that will be used in the application www interface

- setting the DistillKeysOrder group to be disabled will deactivate the Content Mining functionality from the application www interface

- setting some modules from the DistillKeysOrder group to be disabled will make them to no longer be used for Content Mining operations from application www interface

- Complete internationalization support

  - Support for language parameter in passthrough login

  - Full application and status code translation

  - internationalization of email, personalization and alerts, and logoff page

- Search parameters saved in session properties

- Use of new content mining API (will require updates to all applications with Content Mining)

- 'Look and feel' enhancements

  - search results presented in a scrollable iframe

  - new control and refinement panels using windows.js and prototype.js libraries

  - all top buttons open a new window. Subsequent navigation through these windows allows the inital result set to remain on screen

- Some restructuring of application directories for easier inclusion and exclusion of function, simplifying delivery of new licensed modules

9.0

Detailed listing for Muse 2220 Build

9.1 Main features in Muse Build 2.2.2.0

9.1.1 Muse Admin Bridge

We have focused on changes for the administration consoles which improve efficiency and ease of use. Our Problem Report forms in the consoles have been enhanced to provide a more effective way to communicate with Muse Support.

1   All warning messages from consoles were reviewed so as to be more intuitive.

2   Application ID and Application Name are included in the Source Problem Report.

9.1.2 Muse Control Center

The Control Center was revised significantly, adding flexibility while also improving usability.

1   Help messages for all tasks were reviewed.

2   Muse Control Center is able to run multiple tasks files at the same time.

3   An input checkbox was added next to the Archive Attachment Files option. (example: [x] Archive Attachment Files as [attachment.zip])

9.1.3 ICE Server

1   Token-based authentication has been introduced to the Global Authorizing Management System (GAMS), which will correct previous issues where a Muse server uses multiple IPs.

9.1.4 Muse Setup

Important steps have been taken to improve both the speed and the comprehensiveness of our setup and upgrade processes. These processes will now require less time and less manual intervention.

1   At upgrade, the server configuration files are merged rather than replaced.

2   Setup is able to run Java code to do upgrade steps specified in Upgrades.xml.

10.0

Detailed listing for Muse 2210 Build

10.1 Main features in Muse Build 2.2.1.0

Release Date: 2007.05.15

10.1.1 Muse Admin Bridge

- The current messages from the consoles' Proxy Settings section were reviewed to be clearer for the user.

- The CSA Admin Console is now be able to update older applicationOptions.db files correctly. Changes will also be propagated to the directories for alternative languages.

- Spaces can be used in the Link URLs field (General Settings -> Navigation Management).

- The warning messages from consoles were revised so as to be more intuitive and to reflect their severity more accurately.

10.1.2 Muse Control Center

- Inconsistencies were corrected for cases when multiple users are logged on in Muse Control Center (web interface). The number of active sessions are now displayed in the web interface.

- The "Update" button for sources from the "Upgrade Parameters" section of the "Source Package Upgrade" task is now implemented to work correctly in the web interface of Muse Control Center.

- When the Source Checker task attempts to check an application that has expired, this is now reported correctly.

- Help messages for all tasks were reviewed.

10.1.3 ICE Server

Language strings for internal messages strings had only been picked up once during a session. They are now changed correctly when the Locale is changed.

Enrichment modules were not sending records as they were processed. They were kept until the list was completed, introducing a delay in viewing result lists. This has been corrected

If Banded Retrieval was set up with no priority groups defined, ICE waited for all the records from all the sources to complete before sending the first record, potentially introducing a long delay in displaying result records. In 2.2.1.0, when there is no group defined or when the groups defined are void, the records are now sent immediately.

10.1.4 Muse Source Factory

Sources that contained the characters & / or = in their information fields could not be updated. This was fixed.

List All Hosts / List All Data services from Admin consoles produced errors. This was fixed.

Clicking on the Download button showed only a link to download the Source Package, and not modulesutil.jar file. This was fixed.

10.1.5 Muse Authentication and Authorization Service

ICELoginModulePPMS now verifies the provided password against the password from the Personal Profile.

For the Hosts authentication, DNS comparison is now case-insensitive.

10.1.6 Muse Setup

Post Install Configuration Setup: The "Use SSL for Muse HTTP Server" option did not work. It was neither changing the port nor modifying the contexts.xml file. This was fixed.

10.1.7 Muse Admin Bridge

Test functionality has been modified to show progress per source as soon as it is available. Previously, all sources had to complete before the success or failure and the number of results were displayed. Stop/Stop All buttons have been added so that the Test can be interrupted.

Application ID and Application Name are now included in the Source Problem Report.

10.1.8 Muse Setup

At upgrade, the server configuration files are merged rather than replaced.

eXist is now the only the XML DBMS included on new Muse installs, fully replacing Xindice.

- xmldb/startPersonalUsersExporter⋆ scripts are installed when xmldb is installed/upgraded (same way as startConverter⋆ scripts are installed/upgraded).

- Setup is able to run Java code to do upgrade steps specified in Upgrades.xml.

- The start/stopMuseServices/rc.muse scripts are now a single script.

- During Muse set up the administrator entered an IP which allowed access only to the Admin Console. This has been extended so that access is now allowed, from this IP, to all Muse admin products (Muse Control Center, Muse Proxy, etc.) The text on the set up panel, on which this IP is entered, has been modified appropriately. The Muse setup process has been changed to store this IP for access to all admin products.

10.1.9 Muse Source Factory

- A complementary action was implemented for downloadMusePackage that will give file information (size). The method will be called when displaying the download page for Muse setup packages, and will take as arguments the filenames for which to provide more information (size). The size information will be thus displayed on the download page before the user begins the download.

10.1.10 Muse Statistics Monitor

- A 'Last XX days' option was added for the Date Filter of Muse Statistics Monitor.

10.1.11 Muse Control Center

- An input checkbox was added next to the Archive Attachment Files option. (example: [x] Archive Attachment Files as [attachment.zip]) If the checkbox is unchecked, then the input is disabled.

- Muse Control Center is able to run multiple task files at the same time.

- Keyboard shortcuts were added for the toolbar buttons, such as Ctrl+O = open, Ctrl+N = New, Ctrl+S = Save.

- The progress display while a task is running now shows the state name, the run progress (as a percentage), and the estimated time left to finish the task (e.g 3:45:03s left). This was implemented for 2 tasks: ConnectorChecker and SourcePackagesUpgrade.

- Log rotation after a certain period of time is implemented in the Log task of Muse Control Center.

- SP Upgrade task: made summary at the end and send it on email.

- Source Checker/SP Upgrade: Added an 'Update list at runtime' checkbox for sources.When 'Update list at runtime' is checked, the Source Checker task will compare against the Source Factory before starting the check on the sources to update the list of sources from the application. Any new sources that appear in the application will then be added to the list of sources to check (with the default query), and sources that were removed from the app will be removed from the list.

10.1.12 ICE Server

Token-based authentication has been introduced to the Global Authorizing Management System (GAMS). There had been many issues related to network IP configuration which prevented GAMS from working properly. This occurred, for example, in cases where the end-user has both a private and public IP. If the private IP was used by Muse (e.g. the end-user being in the same network as the Muse server), and Muse Proxy was in another network. the public IP would be used by Muse Proxy. Using these IPs, the comparisons through GAMS would fail and Muse Proxy would present a prompt to the user. Using a token instead of the IP for authorization eliminates this problem.

11.0

Detailed listing for Muse 2200 Release

11.1 Main features in Muse Release 2.2.0.0

11.1.1 Muse Admin

A number of fairly small changes have been made to the Muse Consoles. Taken together we hope that these will go some way to making the maintenance and configuration of Muse applications and their sources quicker and easier, within the constraints of the technology currently used for the Muse Consoles. (A full rewrite using Ajax technology is planned for Release 2.3.0.0 next year. This will open up more possibilities for a fuller revision of the workflow, and we will be consulting with partners later this year)

1. New 'Configure more sources like this' functionality allows an administrator to choose from a list of sources and a list of fields to configure a number of sources at one time.

2. Source Status can be seen from the main Configure source list

3. A 'Delete Profile' button has been added to the Configuration tab of the MSC (and equivalents). This allows an administrator to force the latest version of the profile to be read from the Source Package.

4. Import values from Profile allows MuseGlobal to provide Source Profiles configured with customer details for direct import through the Source Console.

5. Popup Help has been added in a number of places, including the Query Remapping tab

6. Sources marked as defunct in the Source factory are now highlighted in the Source Console displays, and replacement Source packages indicated where available.

7. Proxy Configuration tabs under the General Settings area, allowing settings to be made once for an application and applied to profiles as needed

8. Navigation Management screen to configure ICE level MNM rewriting (see Muse Proxy below)

9. Passwords for all installed Consoles can now be set as part of the installation or upgrade procedure. Previously only the 'administrator' password used by the Muse Administrator Console (MAC) could be set in this way. IPs allowed access to all consoles can be configured at the same

time

10 Backup and Restore of Source Packages and configuration files is available from all Source Consoles. .

11 Added support for sending emails using SSL. Please note that this also requires changes to SendMail.xml for existing applications. Please contact your Support representative if you want to make use of this feature.

12 The URL for the CSA Linking Resolver was made non-editable from the Console, at the request of CSA.

13 Changes were made to support the new workflow for the CSA Linking Resolver.

11.1.2 Automatic Source Update

1 Searches run in the course of normal application used are used to calculate Source Status, requiring less source testing by administrators .Source Status is used to determine if an update is required

2 A Control Center task is available to run Automatic Source Package upgrades at a configurable interval. Also configurable are the applications to be upgraded, and (optionally) sources within the application.

11.1.3 Partner Support Web Site

This is now available to partners. Features include

1 Muse Manuals (as PDFs)

2 FAQs

3 Downloads of Muse software and utilities

4 Listing of files changed during a Muse Upgrades

11.1.4 Muse Proxy

1 Rewriting of URLs through the Muse Navigation Manager (MNM) is now done at ICE level, and the domains to be rewritten are read directly from the Source Configuration Profiles. This allows for additional Muse Proxy functionality. The domain to be rewritten is set by default as part of the initial creation of the Source Package, but may be edited from Source Configuration screens in the MAC or MSC. The domain is no longer added to the MNM field in web/Users.properties. A tool to migrate applications from Web Bridge rewriting to ICE level rewriting is available for download from the Support Site

2 A new filter is available using Muse Proxy with ICE level rewriting. This allows Muse Proxy to generate and re-construct tiny URLs from long URLs that are normally truncated by certain browsers, causing links to the native records to fail for some sources.

11.1.5 Muse Modules

1 A new enrichment module was introduced in order to enrich the records with links offered by the CSA Linking Gateway. This module adds additional links categorized by link types to each non CSA record. In order to use this module a subscription to CSA Linking Gateway is required. A problem with links containing UTF–8 encoded characters was fixed.[Delivery requires an application update patch]