Muse Identity Manager Release Notes

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1.0

Changes in Muse Identity Manager 2.3 Build 03

Release Date: 2023-03-28

1.1 Bug Fixes:

- In case Multi Factor Authentication (TOTP) is used, SAML was not functioning because after au
  thentication succeed the control was given to the `TOTPController`, which in turn gave control
  by redirecting to the Home page of Muse IDM, which was not what SAML expected. This was
  fixed.

- When the authentication flow was waiting for TOTP validation, if in another tab the SAML SP
  (Service Provider) was accessed again, then access was granted to the SP, considering au
  thentication succesful, thus the second authentication factor was avoided. This was also true for the
  cases in which the password is expired or the license is invalid. This behavior was fixed.

- Concurrent access was not working for SAML/OAuth workflows. It was fixed.

- When configuring Muse IDM as SAML Identity Provider (IDP) and perform in the same IDP
  session, a second login in a SP (Service Provider), then a deserialization error is reported and login
  fails. This was fixed.

2.0

Changes in Muse Identity Manager 2.3 Build 02

Release Date: 2022-11-01

2.1 Bug Fixes:

- Updated the cookie mechanism in order to add `SameSite=None` for all cookies when site is accessed using HTTPS protocol. Also, all requests make using HTTP protocol will be redirected to HTTPS.

- In the User Accounts, Login History and Sessions pages the already applied filters were kept when they were accessed from the Statistics pages, so the results were wrong displayed. This was fixed.

- On a Tomcat Server instance whose path contains spaces, the install/upload license actions failed. This was fixed.

- When tried to start the Muse Identity Manager on a Linux Machine, a database error appeared because Linux set 0 as default value for the lower_case_table_names configuration. This was fixed.

3.0

Changes in Muse Identity Manager 2.3 Build 01

Release Date: 2022-09-05

3.1 New Features:

- Added support for displaying the Remember Me tokens for each user, in the users management section when accessing with a user with `Administrator` role. The tokens can be deleted.

- In the `Sessions` page now it is displayed the user's IP address along with the User Agent information. The `Sessions` page is available from the users management section when accessing with a user with `Administrator` role. The sessions can be terminated either individually or as bulk.

3.2 Bug Fixes:

- In the `Add New User` page, if submitting with an empty `Expire date` value, an error message was displayed, thrown by a Java exception. The validations were improved and such situations are not possible anymore.

- Exporting users as CSV file produced an incorrect CSV file, as the values did not match the header. This was fixed.

4.0

Changes in Muse Identity Manager 2.2 Build 01

Release Date: 2022-06-10

4.1 New Features:

- Added support for TOTP authentication. TOTP stands for Time-based One-Time Passwords and is a common form of two factor authentication (2FA). Authentication applications like Authy, Google Authenticator and TOTP Authenticator support the TOTP standard and can be used to generate the codes for the TOTP Muse Identity Manager (IDM) implementation.

- Implemented support for uploading the License Key File. The Muse Identity Manager application does not work without a proper license file as provided by the Muse Support team. When accessing for the first time with a user with `Administrator` role, the Muse Identity Manager application will ask to upload a proper license key file. A new License Key File can be uploaded at any time from the `About` section, `License Information` tab when accessing with a user with `Administrator` role.

4.2 Bug Fixes:

- Upgraded the following libraries to the latest version:

  - Spring Core – from 5.3.10 to 5.3.18.

  - Spring Security – from 5.5.2 to 5.6.2.

  - Log4J – from 2.16.0 to 2.17.2.

5.0

Changes in Muse Identity Manager 2.1 Build 10

Release Date: 2021-09-19

5.1 New Features:

- Added support for SAML attributes mapping, e.g. translation of an atribute name as released by Muse IDM to one recognized by the Service Provider.

- Updated all email templates to include style, banner and header templates as external files. This will allow easier customizations of the emails sent by the Muse IDM service.

- Added Session Statistics page to display statiscs for user sessions, like total number of active sessions at current time, number of sessions per user etc. This is available for an user with `Administrator` role.

6.0

Changes in Muse Identity Manager 2.1 Build 05

Release Date: 2021-02-19

6.1 New Features:

* Added support to download the CSV header from import users page. The CSV file contains only the header declaration, it is most usefull as it provides the exact required information to be filled in.

* Added support to specify a regular expression for password validation in the user registration process. This regular expression is set in the `application.properties` configuration file under the `password.pattern` configuration entry.

* Integrated payment functionality in the user registration and authentication workflow. A new user creating an accout in the Muse IDM platform, after validating his email and depending on the configured registration flow (e.g. with or without administration approval), on his first login, he will be redirected to the configured Payment Platform page to pay. Upon succesfull payment, the user will be allowed to access the application. This feature was successfully tested with Stripe, Paystack and Verifone Payment Platforms.

7.0

Changes in Muse Identity Manager 2.1 Build 01

Release Date: 2020-09-30

7.1 New Features:

- Upgraded the Font Awesome library from version 4.7.0 to version 5 PRO.

- Added new interface themes such as Brown, Gray and Purple, to match the set of themes available in the Muse Search Application.

8.0

Changes in Muse Identity Manager 2.1 Build 00

Release Date: 2020-06-30

8.1 New Features:

- Inplemented OAuth 2.0, so now Muse IDM can act as an OAuth2 Authorization Server. The management of the OAuth clients can be done from the administration interface, available for users with `Administrator` role. This feature was successfully tested with Muse Proxy, miniOrange(an OAuth2 client for WordPress) and Moodle version 3.7.1.

- Added internationalization support at the web interface level(i18n), thus a language switch is available in the main menu. Currently the Muse IDM interface is translated in Arabic.

9.0

Changes in Muse Identity Manager 1.2 Build 10

Release Date: 2020-01-31

9.1 New Features:

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* Implemented SAML 2.0, so now Muse IDM can act as an Identity Provider. SAML integrations have the following features: SAML 2.0 based Single Logout (SLO), metadata profile and SAML attributes filtering.

* Integrations were made with Muse Search and Muse Proxy applications through HMAC authentication protocol. These integrations are provided out of the box.

* Added support for specifying custom profile attributes in the registration process. Examples of custom attributes: Mobile Number, Department, Position, Access reason, etc. .

* Extended the login security related features by implementing a limit for the login failures. If exceeding this configured limit, the login will no longer work for a configurable period of time.

* The user passwords have now an expiry date, which is configurable. When the user performs a login with an expired password, he will be prompted to change the password.

* Added support to force the user to change the password on first login.

* Added support for configured custom attributes to be available only to users with `Administrator` role, for normal users these attributes are not visible.

* In the user management screen available for users with `Administrator` role, it is now possible to edit the role as well..

10.0

Changes in Muse Identity Manager 1.1 Build 10

Release Date: 2019-03-28

10.1 New Features:

* Added an `About` page with details about the application.

* Added `Login History` page where it can be seen the login history details for all users. This is available only for users with `Administrator` role.

* Added a `User Statistics` page showing various statiscs metrics, such as the number of expired accounts, the number of locked/disabled accounts, users that never logged in, the number of users with `Administrator` role, etc. .

11.0

Changes in Muse Identity Manager 1.1 Build 00

Release Date: 2019-03-15

11.1 New Features:

- An administration console is available for user management (add new user, edit/delete, search, filter, etc.), accessible only by users with Administrator role.

- Added support to export all users as a CSV file.

- Added support for Remember Me functionality in the login page. The browser is able to remember the identity of a user between sessions.

- Added support for password strength, thus the password set by the user in the registration screen must meet the strength configured level, from a 1 to 5 scale, 5 being with the biggest strength. The password must meet the configured criteria for the specific strength, e.g. in terms of length and content. A strong password must contain a combination of uppercase and lowercase letters, numbers and special symbols, such as punctuation.