



**Release:** 2.4

**Release Date:** Gold Master Release 2.4 is scheduled for June 2023.

**New Features/Enhancements to existing features:**

1. Multifactor Authentication (MFA) for nonactive Directory environment:

Stemmons 2.4 was enhanced to enable multiple factor authentication (MFA) using Email 2FA or Google Authenticator. This additional step of authentication is to increase security and validate the user's authenticity.

Once the environment is upgraded to 2.4, the client would have an option to configure the authentication methods that work best for their company.

**Pre-configuration:**

The available methods will be configured via the Config --> Central --> Config System

- **Google Authentication:** If this method is chosen, the system will provide the user with a bar code to set up their Google Authentication. Once setup, every time the user login to the system, the user would need to approve via Google Authentication App on their mobile phone.
- **Email 2FA:** If this method is chosen, every time the user login to the application, the system will send an email with a code. The user will enter the code receives in the email to continue logging in.
- **None:** no additional authentication is needed. Once this method is chosen, the user will only need to enter their login credential to gain the access to the system.

**Note:** Multiple options above are allowable. The user then will have the op on to choose one method that work best for them. Once chosen, the user can change the method via Settings options as mentioned later in this topic.

**User Login:**

Once the environment is upgraded, at first login, the user will be directed to an Account Activation screen. The user would select "Click here" to receive an activation email. The user then would follow the instruction in the email to activate their account under the new authentication update.

After success login, the user will be prompted to choose a preferred authentication method available for the instance

### 1. Google Authenticator:

- If this option is preferred, click on Next.
- Download Google Authenticator App on your phone and Scan in the code.
- Enter the code from Google Authenticator and click on next.

2. **Email Passcode:** If this option is chosen, the system will send you an email with the one-time code. Enter the code received in email and click on Next:

3. **None:** if this option is chosen, no additional authentication is required. The system will direct the user to the application after successfully logging in.

### User Settings:

The user will have an option to change the authentication method via Profile Settings.

To access this setting, click on the User Profile image on the top right corner of the application, and select Settings.

The system will present an option to allow the user to change the option

Select an option and click on Save to save the changes.

**Note: Remove Google 2FA Secret Key Token allows the user to reset the token and re-configure in Google Authentication App.**

2. Implement Graph API for Email to Cases and Email to Entities

3. Open/Close/All Toggle button in Case Type, Entity Type and related items in Entity's relationship grids:

- Add toggle options to allow users switching between open, close or both from the Case Type and Entity Type list.
- While the users in an entity, the toggle button is also available in all related cases, entities, and quest data grids.

4. Document Generator in Entities: Add capability to merge multiple templates at once.

5. Freeze Created/Last Modified Footer in Cases.

6. Add option to view a list of cases generated from a selected run in Cast History Grid.
7. Enhance Cast to assign cases to users associated to an entity role or an entity type without a base field.
8. Improve case email notifications to external users.
9. Add new configurations in Standards to create a case and assign to the author when the topic has a broken link.
10. To improve the capability to communicate to external users, a new trigger was implemented in Cases Applica on to allow sending email to external contact. If a Case Type is configured with a field with system code of EMLID, an email of the last 25 notes will be sent to the email address once a note type of "Send to Client" is added to a case.

#### **Bug Fixes:**

##### **Cases:**

1. When there is a permission set on the Case Type field, user cannot add any notes. This issue is now resolved.
2. Correct issue with loading case notes when a file is saved with a capital letter on the file extension.
3. Correct issue with case trigger not being fired when the case is being imported using the Import Tool.
4. Optimized synced stored procedures to improve general performance.
5. Correct issue with sorting of Case Life field in Case List on Homepage.
6. Correct calculation issue during case import.
7. Correct issue with images not attaching to the case note when sending in cases via email without notes.

##### **Cast:**

8. Improve logic to reassign Case Creator from Cast when the Case Creator is inactive during job run:
  - If Case Creator is inactive, change Case Creator to his/her manager.
  - If the Supervisor is also inactive, change the Case Creator to Case type Owner.
  - If the Case Type Owner is also inactive, change the Case Type Creator to Cast Admin.

9. Add option to create cases to assign a case to an “Owner Of”. For example, create a Cast Job that would assign a case to the Owner of an Entity Type for data governance quality inspection.
10. Correct issue with case trigger not being fired when the case is being created via a Cast job.
11. Correct issue with calculated field when Cases are being generated from Cast.
12. When a case is created from a Cast Job with attachment, the attachment note was populated with the Cast Job Creator instead of using the Case Creator field. This issue is now fixed.
13. Correct issue with Cast generating cases and assigned to inactive/deleted users.
14. Add new option to view the list of created cases for the ran jobs in Job History page.

**Entities Application:**

15. Optimize Export to Excel for large volume of data
16. Optimize View Page load
17. Correct issue with retrieving data from external data sources via Entities Rest API
18. Correct issue with Entity Update Trigger not being fired on single file and multiple file update.
19. Correct issue with Field force calculation
20. Correct issue with values not being populated in External Data source fields with cascade when select Create case from Entities
21. Kanban View and Calendar view now can be hidden via Screen Item configuration
22. Set up External Datasource as a Catalog Entity Type External Datasource Catalog

**Entities Import Tool:**

23. Correct issue with calculation field not being calculated during import

**External Entities:**

24. Correct issue with entity not synced/updated if the value from source table is Null.

**Facts:**

25. Create a new view vw\_Facts\_GetUserAssociations for reporting purposes