WT-11008 HiTrust Recommended Change

Change Request

13th Sept 2017

1. **Force admin user to change password on first login** :

New Implementation :

- This is for newly added as well as existing Admin User Only.
- With this new implementation , For First time login attemp user will redirected to change password screen.
- Once password changes , user will redirect to home page.
- This will be only for first time, for second time on wards, admin will directly land on home page, as it does now
- User can manually change the password from "Change Password" screen.

Development Efforts :

- **User Interface Changes:**
  - Need to design and integrate "Change password" pop up screen, which will be shown at first time login.
  - This screen will not close unless untill user changed password successfully.
- **Business logic Changes:**
  - Need to integrate business logic to save changed password and redirect to home screen after first time login.
  - Add or change business logic to redirect to home page if user already changed password successdully on basis of "LastChangePasswordDate" DB field.
- **Databse Changes :**
  - No change needed as we can use "LastChangePasswordDate" from Users table.If last changes password date is null then will redirect to "change password" screen.
  - Add or change script to get field ("LastChangePasswordDate") deatils
- **Testing (Test scinario):**
  - Login with newly added admin user,should be redirected to "Change password" screen.
  - Never show "Change password" screen afterwards password changed successfully.
  - With existing admin user , should be redirected to "change password" screen if user never had changed password.

Development Estimate:

Task	Hours
User Interface Changes:	
Need to design and integrate "Change password" pop up screen, which will be shown at first time login.	1
This screen will not close unless untill user changed password successfully.	1
Business logic Changes:	
Need to integrate business logic to save changed password and redirect to home screen after first time login.	2
Add or change business logic to redirect to home page if user already changed password successdully on basis of "LastChangePasswordDate" DB field.	2
Databse Changes :	
We can use "LastChangePasswordDate" from Users table.If last changes password date is null then will redirect to "change password" screen.	1
Add or change script to get field ("LastChangePasswordDate") deatils	1
Testing (Test scinario):	
Login with newly added admin user,should be redirected to "Change password" screen.	0.5
Never show "Change password" screen afterwards password changed successfully.	0.5
With existing admin user , should be redirected to "change password" screen if user never had changed password.	0.5
Buffer Time frame	4
Total	13.5

2. **Global security settings add 2 fields, Reminder for password change before expire and Day's for password expire :**

   New Implementation:

   ◦ There will be three fields on company level security page under "Changing Password" section.

   ◦ These fields are "Reminder for password change before expire" as label, "Do Not Remind" as checkbox and "The number of days prior to password expiration" as textbox.

   ◦ This fields will be show if field "No automatic expiration" is unchecked.

   ◦ Password will be expire after no of day's mentaned for "No automatic expiration"

   ◦ Password expiration email will be send before day's as mentaned in "The number of days prior to password expiration".

   ◦ This customization will be used for mid night service to send pasword expiration mail to user.

   ◦ This Implementation is limited to Company Admin , Partner an broker only.

   Development Efforts:

   ◦ **User Interface Changes:**

     ▪ Add three fields "Reminder for password change before expire" as label, "Do Not Remind" as checkbox and "The number of days prior to password expiration" as textbox on Security page under "changing password" section.

     ▪ Add Jquery script to Visible and hide on selection of "No automatic expiration" as well as clear and reset fields.

   ◦ **Business logic Changes:**

     ▪ Add or update busuness logic to Insert,update fields for "The number of days prior to password expiration"

   ◦ **Database Changes :**

     ▪ Add column to save value for "The number of days prior to password expiration" field in "PasswordCredentials"

     ▪ Add or Update script to perform insert, update and selection operation for "The number of days prior to password expiration"

   ◦ **Testing(Test Scinario):**

     ▪ Values for "The number of days prior to password expiration" should be saved and view on security page properly.

Development Estimate:

Sr.No.	Task	Hours
1	**User Interface Changes:**	
1.1	Add three fields "Reminder for password change before expire" as label, "Do Not Remind" as checkbox and "The number of days prior to password expiration" as textbox on Security page under "changing password" section.	1
1.2	Add Jquery script to Visible and hide on selection of "No automatic expiration" as well as clear and reset fields.	1
2	**Business logic Changes:**	
2.1	Add or update busuness logic to Insert,update fields for "The number of days prior to password expiration"	2
3	**Database Changes :**	
3.1	Add column to save value for "The number of days prior to password expiration" field in "PasswordCredentials"	1
3.2	Add or Update script to perform insert, update and selection operation for "The number of days prior to password expiration"	1
4	**Testing(Test Scinario):**	
4.1	Values for "The number of days prior to password expiration" should be saved and view on security page properly.	2
	Buffer Time Frame	4
	Total	12

3. **Daily check for password expire - mid night service**

New Implementation :

○   Need to create midnight service that will sent email for password expires.

○   This service will run for active users (Admin ,Partner,Broker)

○   Service will send password expiration emails to those company having "No automatic expiration" and "The number of days prior to password expiration" set to non Zero.

○   This service will send email till password is not expire.

○   Password expiration email send frequency should be daily at mid night .

Development Efforts :

○   **User Interface Changes :** No UI changes required.

○   **Business logic Changes :**

▪   Get all user list whose password will be about expired with his First Name, Last Name ,Email ID,Last Date of Password Changed, Password expire within days.

▪   Email will send to all Active user (Admin,Partner,Broker) directly.

▪   Send Password expirartion mail to user one by one with all detaills.

▪   Need to integtate all business logic into to existing mid night service

○   **Database Changes :**

▪   Write a Script to retive all active and Non HSPL companies having "No automatic expiration" and "The number of days prior to password expiration" set to non Zero.

▪   Write a Script that return all formatted user data whose password is about to expires in grid with First Name, Last Name ,Email ID,Last Date of Password Changed, Password expire within days.

○   **Testing (Test Scinario) :**

▪   Email should be with proper details.

▪   Email should be send prior day of "The number of days prior to password expiration" before expires and afterwards till user not change password.

▪   Every user should be received email one time in a day.

▪   Logging proper Email log (failure and success).

▪   Should not received once user change password.

Development Estimate:

Sr.No.	Task	Hours
1	**User Interface Changes :** No UI changes required.	0
2	**Business logic Changes :**	
2.1	Write a business logic to process all active and Non HSPL companies having "No automatic expiration" and "The number of days prior to password expiration" set to non Zero.	2
2.2	Get all user list whose password will be about expired with his First Name, Last Name ,Email ID,Last Date of Password Changed, Password expire within days.	2
2.3	Email will send to all user (Admin,Partner,Broker) directly but for employee ,Email will send to those employee having "Recieved Email Notification" flag set to "Yes".	1
2.4	Send Password expirartion mail to user one by one with all detaills.	2
2.5	Keep log of all email (Succeeded of failed).	1
2.6	Need to integrate all business logic into to existing mid night service	1
3	**Database Changes :**	
3.1	Write a Script to retive all active and Non HSPL companies having "No automatic expiration" and "The number of days prior to password expiration" set to non Zero.	1.5
3.2	Write a Script that return all formatted user data whose password is about to expires in grid with First Name, Last Name ,Email ID,Last Date of Password Changed, Password expire within days.	2
4	**Testing (Test Scinario) :**	
4.1	Email should be with proper details.	1
4.2	Email should be send prior day of "The number of days prior to password expiration" before expires and afterwards till user not change password.	1
4.3	Every user should be received email one time in a day.	0.5
4.4	Logging proper Email log (failure and success).	0.5
4.5	Should not received once user change password.	0.5
	Buffer Time	8
	Total	24

4. Prompt / redirect on password change while login after password expired.

New Implementation:

○ If any user did not change password after recevied mail and password expires.User can login with his old password.

○ After Password expiration, first time login he will redirected to change password screen.

○ Once user changed password , will redirect to home page.

○ User will not see "Change password" screen , unless his password expires.

○ User can manually change the password from "Change Password" screen.

Development Efforts

○ **User Interface Changes :**

  ▪ Need to design and integrate "Change password" pop up screen, which will be shown after login if user password expires.

  ▪ This screen will not close unless untill user changed password successfully.

○ **Business logic Changes :**

  ▪ Need to add business logic to check whether user password expires or not.

  ▪ Add logic to redirect to Change password screen used If user password expiers.

  ▪ Add or update business logic to Insert/update/select new password.

○ **Database Changes :**

  ▪ Add or update Script logic to check whether user password expires or not.

  ▪ Add or update Script logic to Insert/update/select user password.

○ **Testing (Test Scinario) :**

  ▪ User should able to login workterra with prior Password.

  ▪ User should redirected to "Change Password" after passwords expires.

  ▪ Password should properly updated and able to login with changed password.

  ▪ Never redirect to "Change Password" unless password expires.

Development Estimate:

Sr.No.	Task	Hours
1	**User Interface Changes :**	
1.1	Need to design and integrate "Change password" pop up screen, which will be shown after login if user password expires.	2
1.2	This screen will not close unless untill user changed password successfully.	1
2	**Business logic Changes :**	
2.1	Need to add business logic to check whether user password expires or not.	1
2.2	Add logic to redirect to Change password screen used If user password expiers.	1
2.3	Add or update business logic to Insert/update/select new password.	1
3	**Database Changes :**	
3.1	Add or update Script logic to check whether user password expires or not.	1
3.2	Add or update Script logic to Insert/update/select user password.	1
4	**Testing (Test Scinario) :**	
4.1	User should able to login workterra with prior Password.	1
4.2	User should redirected to "Change Password" after passwords expires.	1
4.3	Password should properly updated and able to login with changed password.	0.5
4.4	Never redirect to "Change Password" unless password expires.	0.5
	Buffer Time Frame	4
	Total	15