

## Enforcing Strong Passwords

Where are the new settings?

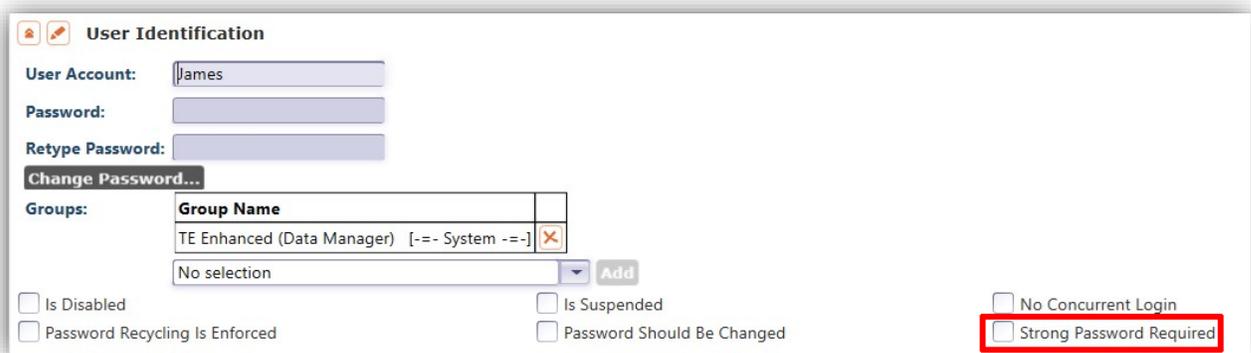
There are two new settings related to enforcing strong passwords that allow an agency to choose whether to apply the enforcing for all users in the agency or only specific users.

The agency setting is found on the agency record details page, in the Agency Identification section.



Clicking the **Change Password Strength** button will simply switch from **No** to **Yes** and the option will be applied to all users in the agency.

The user setting is found on the user record details page, under the User Identification section.



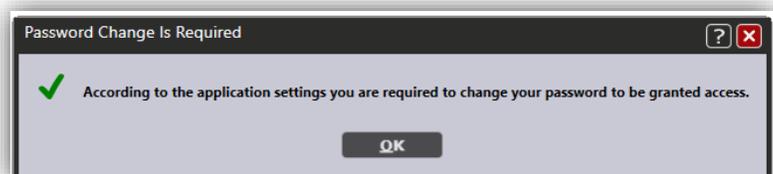
When the **Strong Password Required** checkbox is marked, the option will be applied only to that user.

## How It Works

At the user's next login, either in TE or eTests, she will be prompted to change the password.

### TOPSpro Enterprise – Password Change Prompt

In TE, right after user login, a prompt will be displayed:



After confirmation, a popup window is displayed, where the validation of the password's strength is done in real-time: the conditions change color from red to green as the new password is entered.

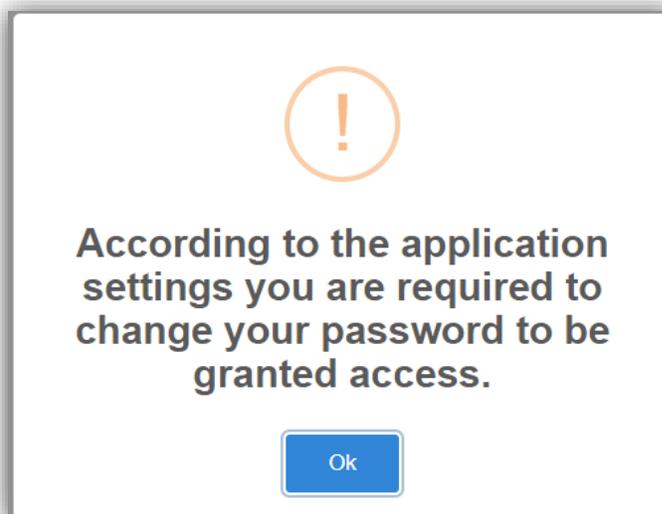
The screenshot shows a 'Change Password' dialog box with the following elements:

- Input fields for 'Old Password', 'New Password', and 'Retype Password'.
- A message: 'Your agency is requesting all passwords to pass at least one strength test from the two options below.'
- Two columns of validation criteria:
  - Multiple Character Types:**
    - ✓ The password is at least 12 characters long
    - ✓ The password has at least one upper case letter
    - ✓ The password has at least one lower case letter
    - ✓ The password has at least one digit
    - ✓ The password has at least one special character
  - Passphrase:**
    - ✗ The password is at least 25 characters long
    - ✓ The password has at least one upper case letter
    - ✓ The password has at least one lower case letter
- Strength indicators: 'Strong' (green) for Multiple Character Types and 'Medium' (yellow) for Passphrase.
- 'Save' and 'Cancel' buttons at the bottom.

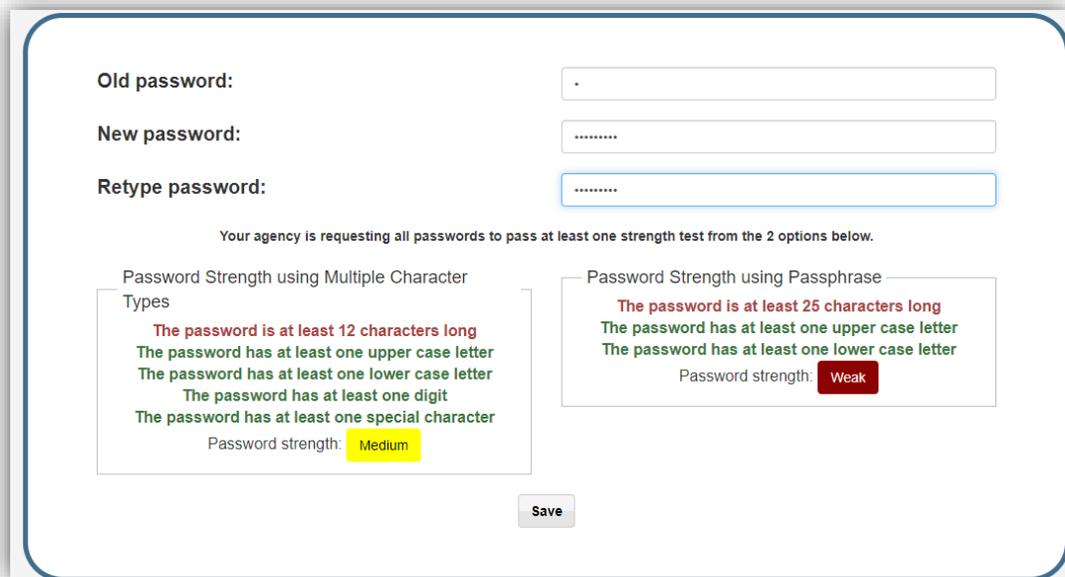
When the new password/passphrase meets all the required conditions, click Save to confirm the new password.

### *CASAS eTests Password Change Prompt*

In eTests Online, users will follow the same steps. At login, the user is prompted that a password change is required.



After confirmation, the password change page is displayed, showing the validation conditions:



The screenshot shows a password change interface. At the top, there are three input fields: 'Old password:' containing a single dot, 'New password:' containing seven dots, and 'Retype password:' containing seven dots. Below these fields is a message: 'Your agency is requesting all passwords to pass at least one strength test from the 2 options below.' There are two options for password strength. The first option is 'Password Strength using Multiple Character Types', which lists four conditions: 'The password is at least 12 characters long', 'The password has at least one upper case letter', 'The password has at least one lower case letter', and 'The password has at least one digit'. The password strength for this option is 'Medium'. The second option is 'Password Strength using Passphrase', which lists three conditions: 'The password is at least 25 characters long', 'The password has at least one upper case letter', and 'The password has at least one lower case letter'. The password strength for this option is 'Weak'. A 'Save' button is located at the bottom center of the form.

Feedback is provided in real-time, as validation conditions turn from red to green when they are met.

Note that the application will not allow the user to save the new password if all conditions are not met.