

Password Management Functionality



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Introduction

Document Purpose

This document provides an overview of the LiveVox password management functionality. It also includes general guidelines for the client level SFTP credentials.

Password Management features

General Guidelines

LiveVox portal and agent portal access:

- Username and password are case sensitive. With the password management feature enabled, the following restrictions are implemented.
 - Password strength is selectable at three levels:
 - Medium: User and agent passwords must be a minimum of eight characters in length containing at least one digit, one letter, and must not match the previous four passwords for that user or agent credential.
 - Strong: User and agent passwords must be a minimum of eight characters in length containing at least one digit, one letter, one special character, and must not match the previous four passwords for that user or agent credential.
 - Very Strong: User and agent passwords must be a minimum of twelve characters in length containing at least one digit, one letter, one special character, and must not match the previous four passwords for that user or agent credential.
 - Special characters supported are the ASCII printable characters:

- Permitted voice portal users can set the account password temporarily and force the users or agents to change the password on the first login or when the password is updated. If permitted voice portal users change the password for their own user account, they are not prompted to change the password. This feature is configurable at the client level and applied to both users and agents.
- O User and agent passwords expire after a specified period. The timeframe is configurable at the client level, is set to 90 days by default, and applied to both users and agents. Password management will lock out users and agents after a number of failed login attempts. The allowed number of failed logins is configurable at the client level for users and agents. By default, both users and agents are allowed 5 failed logins. Passwords are encrypted for all users, meaning that passwords are

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not stored in clear text anywhere in the system including the database. This is configurable at the client level.

LiveVox uses AES-256 encryption.

SFTP site access:

- o Users can upload campaign files or retrieve generated reports from their LiveVox SFTP site. LiveVox uses the SFTP protocol by default. If you require FTP instead, please contact Client Services client-services@livevox.com.
 - If utilizing the voice portal's integrated FTP Browser, a user's voice portal credentials are used (password requirements described above).
 - If utilizing a 3rd party SFTP browser application, specific SFTP credentials provided by LiveVox are used. These credentials adhere to the following standards:
 - SFTP usernames and passwords are case sensitive.
 - SFTP passwords must be a minimum of eight characters in length and contain at least 1 digit.
 - SFTP passwords do not expire.
 - SFTP encrypts commands and data both, preventing passwords and sensitive information from being transmitted in the clear over a network.

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Security Settings

Users in Sysadmin role can manage LVP and Agent password security settings in the **Security** tab of the Client editor.

Sysadmins have the option to configure the following for LVP users and agents:

• Password Expire Days - Set number of days for the password expiration. Applies to both users and agents.

Note : When implementing a password expire period for the first time or reducing the number of days in the current period, it is recommended that all agents be logged out to prevent any call interruption due to password expiration. In addition, if your portal uses any LiveVox Custom Applications (Scripter, for example) or you are unsure if you have integrated these types of apps, please reach out to your Account Management team before adding, removing or making any changes to the Password Expire Period as this may interrupt any active LiveVox Custom Applications.

- Max Failed Login Attempts Set number of password attempts after which the user or agent
 will be locked out. The value of Max Failed Login Attempts LVP and Max Failed Login
 Attempts Agent must be between 1 and 9. Zero, null, and characters are invalid.
- Browser Session Security If selected, user will have to log back in any time the browser is closed.
- Password Strength Slide the arrow on the bar to select one of the following levels:
 - Medium Password must be a minimum of eight characters in length containing at least one digit, one letter, and must not match the previous four passwords.
 - Strong Password must be a minimum of eight characters in length containing at least one digit, one letter, one special character, and must not match the previous four passwords.
 - Very Strong Password must be a minimum of 12 characters in length containing at least one digit, one letter, one special character, and must not match the previous four passwords.
- Admin Set Passwords Are Temporary If selected, then the system forces the users or agents
 to change the password on the first login or when the password is updated. Once they log in
 with the temporary password, they will be asked to change the password.

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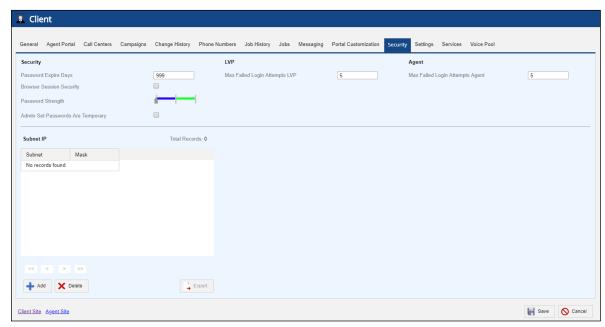


Figure 1: Client editor security tab

Setting up Agents and Users

- Adding a new agent:
 - o If the password is not 8 characters or greater, does not contain a mixture of characters and numbers, or matches one of the previous four passwords, the user configuring a new agent will get the following error, after clicking **Save.**

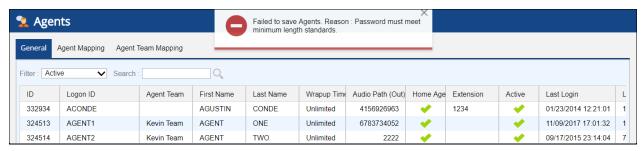


Figure 2: Failure to save agent

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 If the password has no digits but characters only, the user configuring new agent will get the following error:



Figure 3: Failure to save agent

 If the password has no characters but digits only, the user configuring new agent will get the following error:

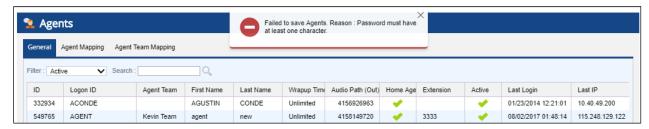


Figure 4: Failure to save agent

Similarly, adding a new user.

 If the password is not 8 characters or greater, or does not meet the password requirements; the user configuring new user will get the following error, after clicking Save.

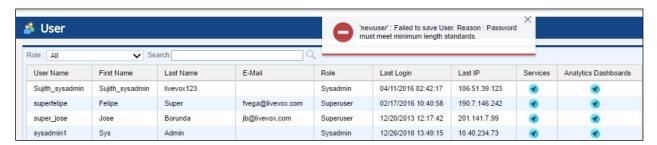


Figure 5: Failure to save new user

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Logging In

Login

• Agent Login (via agent link provided by LiveVox). Enter Login ID and Password. Click **Next** button to log in.



Figure 6: Agent login

• User login (via user link provided by LiveVox). Enter the Client Code, User Name, and Password. Click **Login** button to log in.

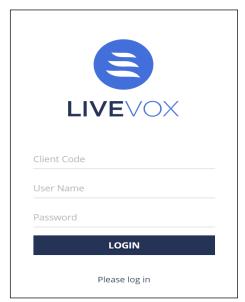


Figure 7: User login

- For more information on failed login, see $\it Failed Logins \, section.$

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• If the account password is set temporarily, then the system forces the users or agents to change the password on the first login or when the password is updated. Once they log in with the temporary password, they will be asked to change the password. For changing the password, see *Resetting Expired Password* section. If the Dual Factor Authentication (DFA) is enabled, see *Changing passwords* section for more information.

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Resetting Expired Password

When the password expires, agents and users will get an error on their screen as they try to log in. New password cannot be the same as the last four passwords.

• Agents



Figure 8: Agent sing in for expired password

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Users

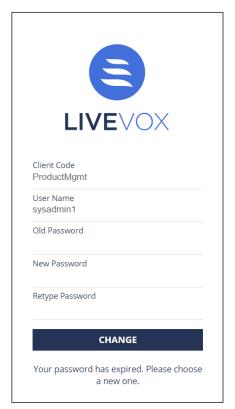


Figure 9: User password expired

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Failed Logins

- Agents
 - The Agent login screen displays error message when an invalid password is entered by an agent.



Figure 10: Agent login failed

 If an agent attempts to log in with the wrong password more times than the site's configured limit, the agent will be locked out and presented with the following screen:



Figure 11: Agent account locked

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- Users
 - The login screen displays the following message when an invalid password is entered by the user.

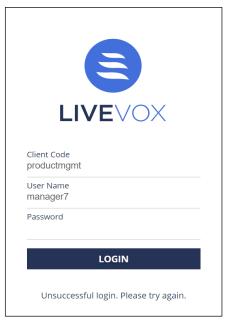


Figure 12: Unsuccessful user login

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 If a user attempts to log in with the wrong password more times than the site's configured limit, the user will be locked out and presented with the following screen:

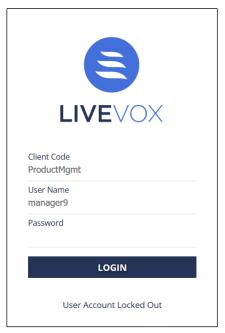


Figure 13: User account locked

 To unlock the user or agent, permitted user can double click on the lock icon and confirm the action from User or Agents editor.

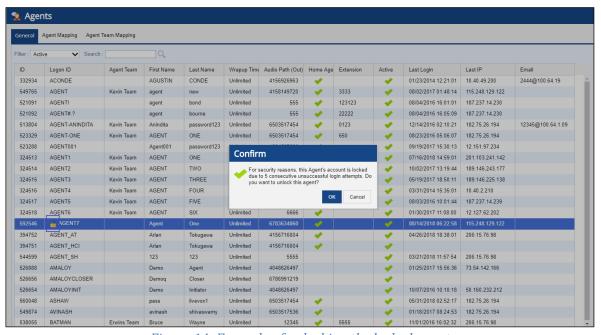


Figure 14: Example of unlocking the locked agent

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Dual Factor Authentication

Dual Factor Authentication (DFA) is a type of Multi Factor Authentication, where essentially second level of authentication by user is required for a successful login, and this second password is an OTP (One Time Password).

An Admin can enrol a user for dual factor authentication. To enrol the user for DFA, navigate to Configure > System > Double click the user > General Tab:

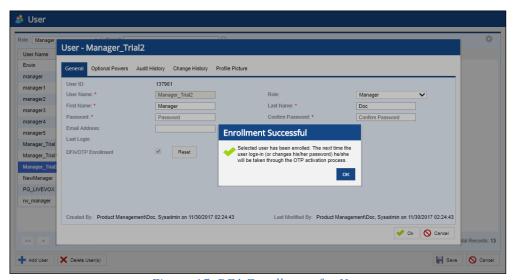


Figure 15: DFA Enrollment for User

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Once the enrollment option is enabled by Admin, the user's enrollment will be in pending activation status which is displayed in the OTP column of User editor.

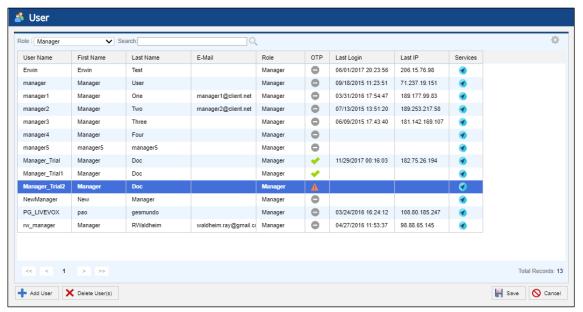


Figure 16: User Account Pending Activation

The user is required to complete this activation process upon login.

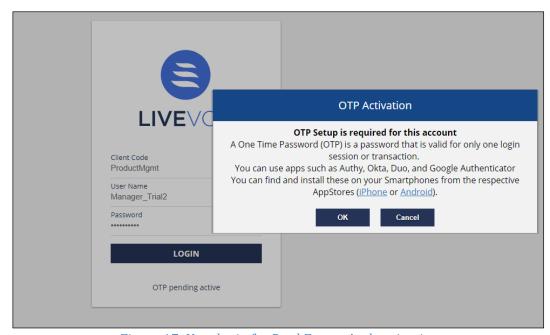


Figure 17: User login for Dual Factor Authentication

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Users must authenticate their login with an OTP generated via Desktop Application (WinAuth), mobile application (Google Authenticator, OKTA etc.) or hardware token.

- User login (User's enrolled for DFA only).
 - The following screen displays when the user enrolled for DFA submits the login credentials:

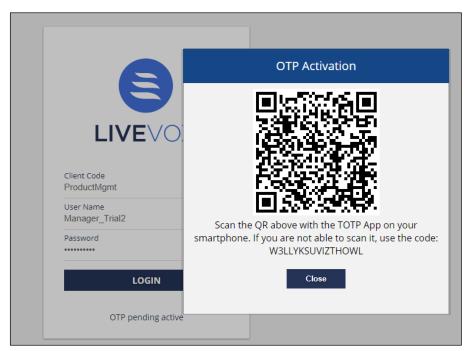


Figure 18: QR Code for OTP Activation

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- Desktop Users
 - Users are required to add the QR code in WinAuth to generate the OTP. Enter the
 OTP obtained via WinAuth application to continue the login process. For details on
 the usage of WinAuth see Setting up WinAuth Application for Dual Factor
 Authentication section.

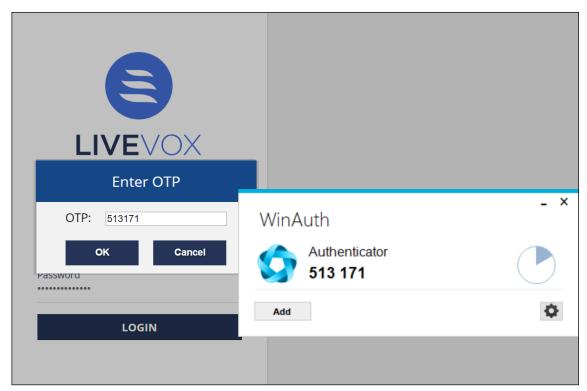


Figure 19: OTP verification via WinAuth

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- Mobile Users
 - Users are required to scan the QR code to continue the login process. The user receives OTP via a mobile application (Google Authenticator, OKTA etc.) and is presented with the following screen:



Figure 20: One Time Password verification

- o Once the OTP is entered by the user the login process continues.
- If there are failures, they are counted against the maximum OTP failure count and eventually the account gets locked and the user needs to contact the Admin to unlock the account.

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OTP Enrolment Status

The User editor's User Grid displays a column to indicate the OTP (One Time Password) Enrolment Status. Hover the mouse over the icon displayed in the OTP column to get the description of the OTP Enrolment Status.

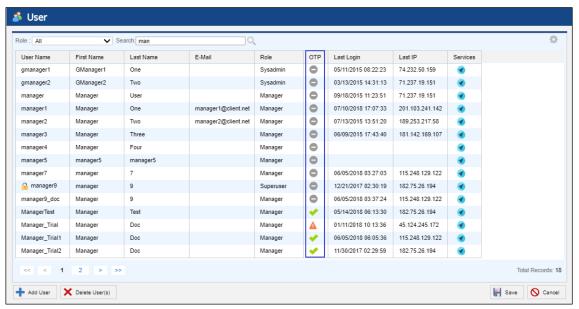


Figure 21: User editor - enrolment status

Changing passwords

The users enrolled for Dual Factor Authentication require a valid OTP token to change the password. The login process continues upon successful validation. The OTP token validation failure is counted against the maximum OTP failure count.

Resetting locked accounts

The User editor displays a lock icon for a user locked due to exceeding the maximum attempts of password or OTP. To unlock the user, permitted user can double click on the lock icon and confirm the action.



- Please contact LiveVox Client Services to enable Dual Factor Authentication option and specify Max Failed Login OTP Attempts.
- Dual Factor Authentication is not available for agent login.
- Second-factor authorization is not supported via email, SMS and voice message.

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Setting up WinAuth Application for Dual Factor Authentication

WinAuth application can be used by Desktop users to generate OTP for second level verification. Follow the below procedure for initial set up of the WinAuth Authenticator.

Download the WinAuth app by clicking https://winauth.github.io/winauth/.

Once downloaded, double click the WinAuth application to set up a new Authenticator:

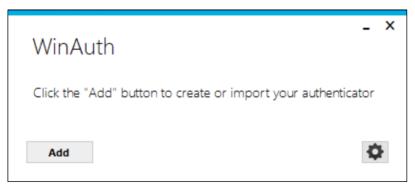


Figure 22: WinAuth Application

Click the **Add** button to set up an Authenticator and you will be presented with the Add Authenticator window.

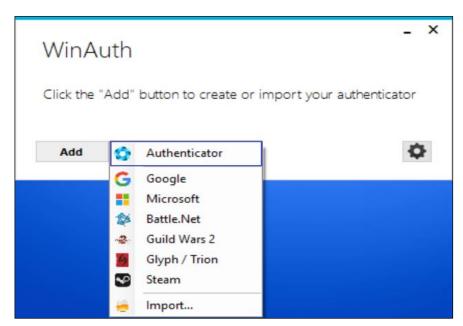


Figure 23: Adding a new Authenticator

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The Add Authenticator window allows you to configure the following:

- o Enter the name of the Authenticator in the Name field.
- o Copy the QR code displayed on OTP Activation screen into WinAuth.
- Set the authenticator type as time-based.
- o Click the **Verify Authenticator** button in order to preview the first generated code.
- o Do not click Ok button on the Add Authenticator window at this point.

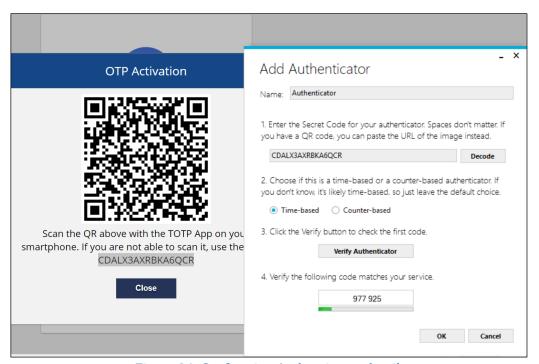


Figure 24: Configuring Authenticator details

Close the OTP Activation window and you will be prompted with Enter OTP window as shown in Figure 17, where you can enter the code presented on the WinAuth.

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Once done, click Ok button on the Add Authenticator screen of WinAuth and you will be presented with the following screen to lock the WinAuth app, if you wish to lock the app.

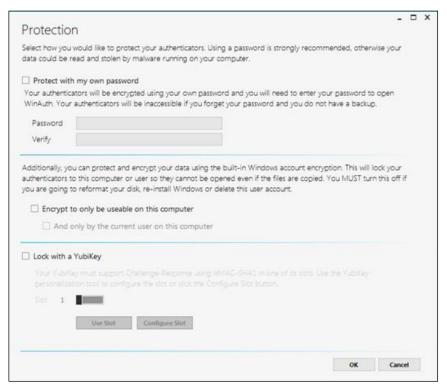


Figure 25: Protection config

Set the required Password and click Ok button on the Protection config and use WinAuth to verify OTP as normal.

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