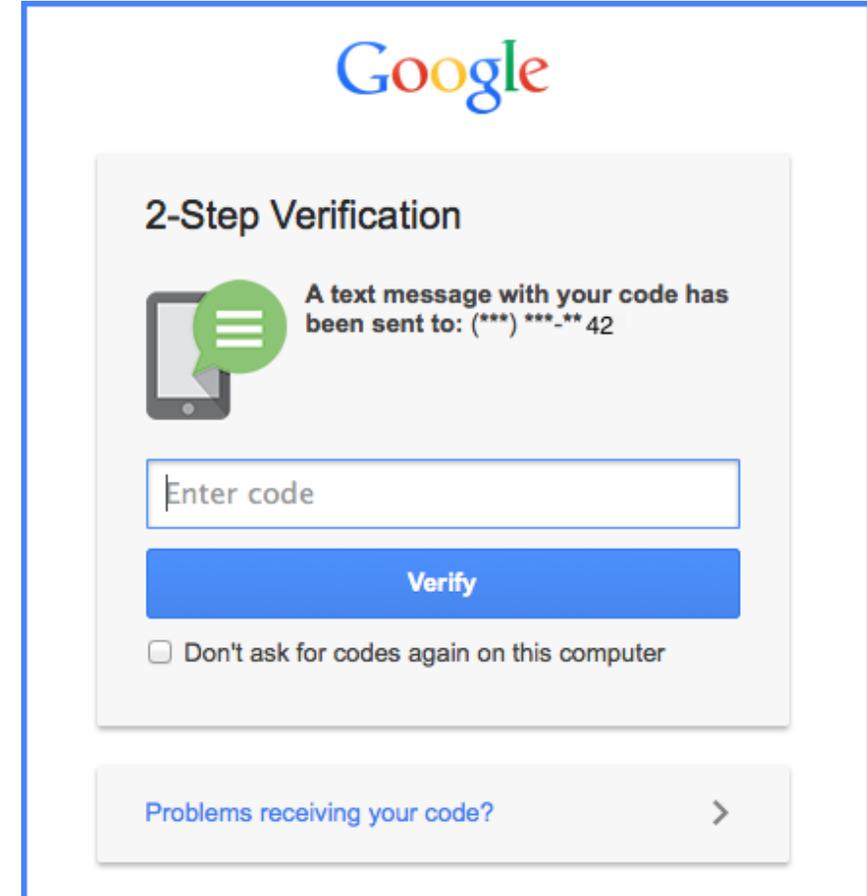


A photograph of the Tower Bridge in London, showing its two stone towers and blue suspension cables. The bridge is partially open, with the walkways raised. In the foreground, a small white boat is on the River Thames. The sky is overcast with grey clouds. A large red banner with white text is superimposed over the middle of the image.

TWO-FACTOR AUTHENTICATION

TWO-FACTOR AUTHENTICATION

- **Two-Factor Authentication (TFA) increases system security by requiring users to validate their identity beyond entering their user name and password before they are allowed to log on**
- **The method of validation varies but common ones are**
 - E-Mail
 - SMS
 - Authenticator app
 - Hardware token
- **Likely you have used this with many different web services**



Google

2-Step Verification

A text message with your code has been sent to: (***) ***-**-42

Verify

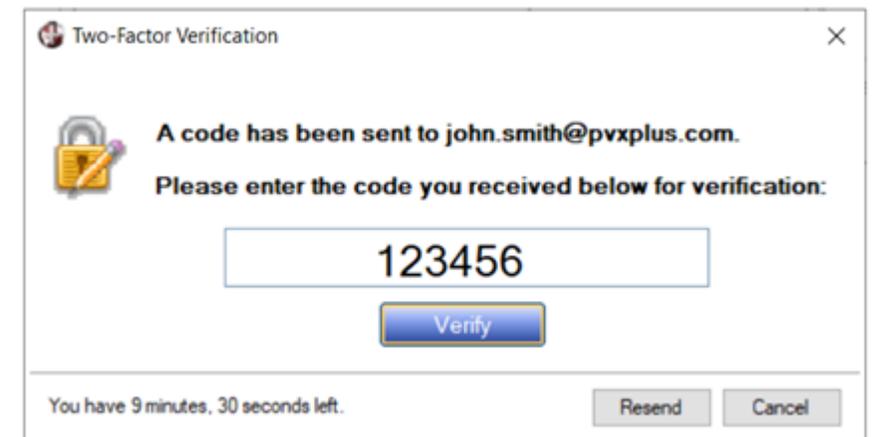
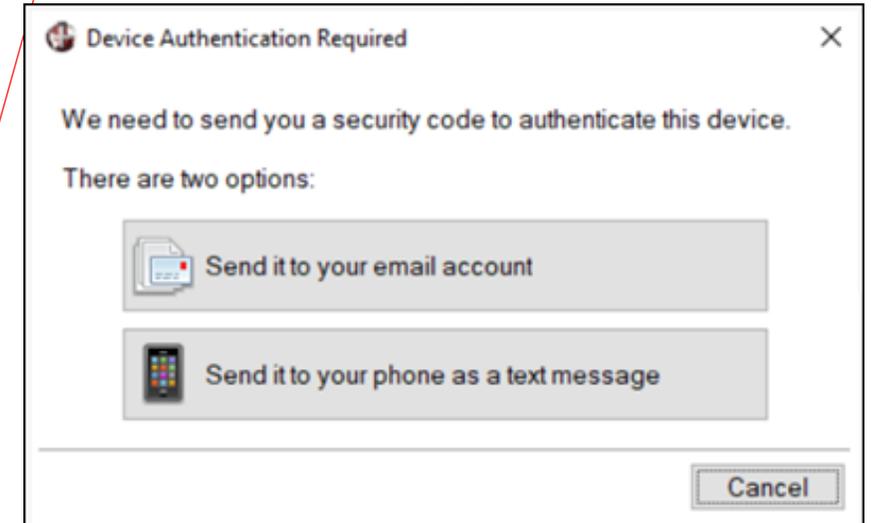
Don't ask for codes again on this computer

[Problems receiving your code?](#) >

TWO-FACTOR AUTHENTICATION

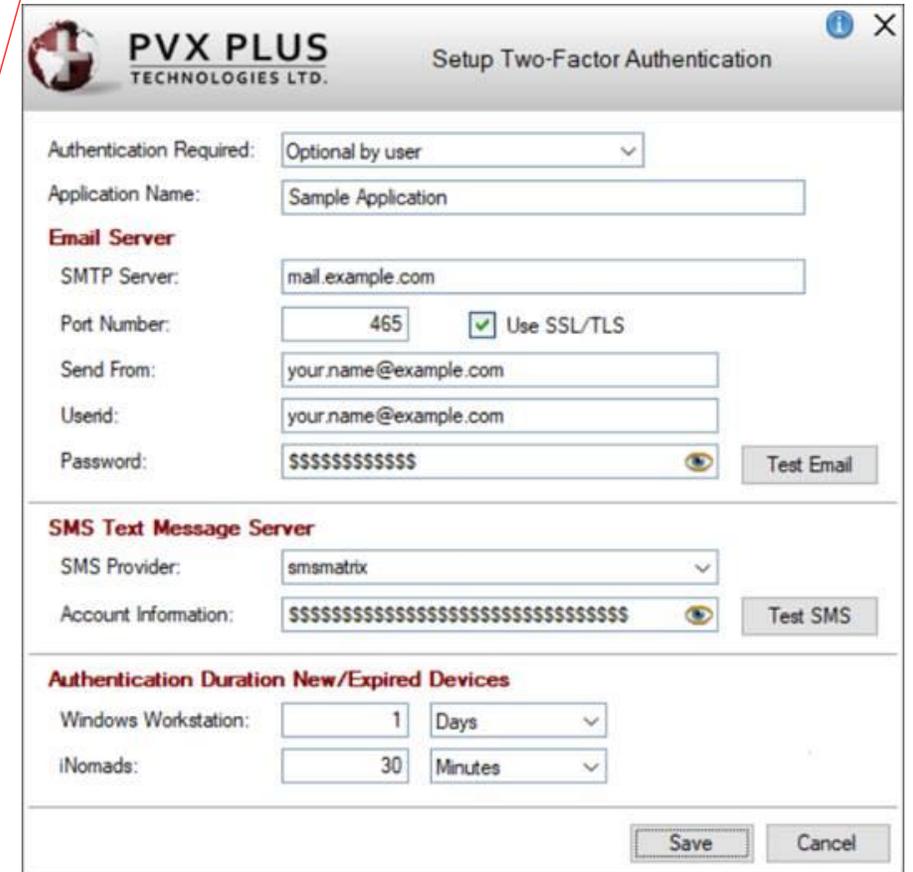
- **Nomads/iNomads support Two-Factor Authentication via the built in Nomads security/logon system**
 - Nomads security must be setup
 - Users created and security classes defined
 - E-Mail and SMS verification is supported
 - If both setup, user can choose method to use when logging in
 - The **Two-Factor Verification** window displays when a user is required to provide identity verification before being allowed to log on
 - This window instructs the user to enter the security code sent to his/her email address or SMS phone number
- **Webster also supports Two-Factor Authentication**

See 'PxPlus on the Web'
PDF for more details



TWO-FACTOR AUTHENTICATION

- To set up TFA, click the “Two-Factor Authentication Setup” button in Nomads security [User Maintenance](#)
 - This button is available only to users with the ADMIN classification
- TFA can be disabled, optional by user, or mandatory
- Specify an email server with account and/or a text message (SMS) provider and account (Both can be set up)
- TFA authentication can be saved per device, thereby avoiding having to authenticate every time
 - Period of time before you need to reauthenticate is configurable



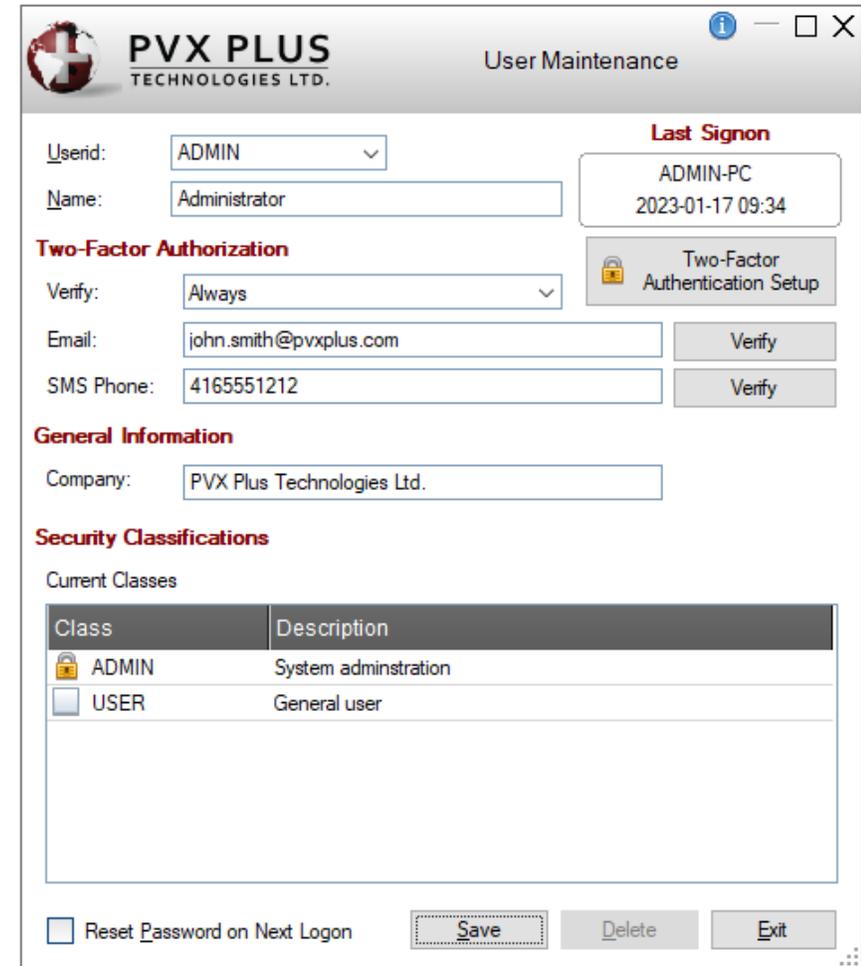
The screenshot shows the 'Setup Two-Factor Authentication' window in the PVX PLUS interface. The window title is 'Setup Two-Factor Authentication' and the logo is 'PVX PLUS TECHNOLOGIES LTD.'. The form contains the following fields and options:

- Authentication Required:** A dropdown menu set to 'Optional by user'.
- Application Name:** A text input field containing 'Sample Application'.
- Email Server:**
 - SMTP Server:** A text input field containing 'mail.example.com'.
 - Port Number:** A text input field containing '465' and a checked checkbox for 'Use SSL/TLS'.
 - Send From:** A text input field containing 'your.name@example.com'.
 - UserId:** A text input field containing 'your.name@example.com'.
 - Password:** A text input field containing 'XXXXXXXXXX' with a visibility toggle icon.
 - Test Email:** A button to test the email configuration.
- SMS Text Message Server:**
 - SMS Provider:** A dropdown menu set to 'smsmatrix'.
 - Account Information:** A text input field containing 'XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' with a visibility toggle icon.
 - Test SMS:** A button to test the SMS configuration.
- Authentication Duration New/Expired Devices:**
 - Windows Workstation:** A text input field containing '1' and a dropdown menu set to 'Days'.
 - iNomads:** A text input field containing '30' and a dropdown menu set to 'Minutes'.

At the bottom right of the window are 'Save' and 'Cancel' buttons.

TWO-FACTOR AUTHENTICATION

- To define a users TFA settings use [User Maintenance](#)
- TFA can be disabled, required every time, or saved per device for a time
- Each user then needs to provide a verifiable email address and/or an SMS compatible phone number
- If only one of these is provided, then that option will be used
- If both an email address and SMS phone number are provided, the user will be allowed to select which one he/she wishes to use for verification



The screenshot shows the 'User Maintenance' window for PVX PLUS TECHNOLOGIES LTD. The user 'ADMIN' is selected, with the name 'Administrator'. The 'Last Signon' is recorded as 'ADMIN-PC' on '2023-01-17 09:34'. Under 'Two-Factor Authorization', the 'Verify' setting is set to 'Always'. The email 'john.smith@pvxplus.com' and SMS phone number '4165551212' are provided, each with a 'Verify' button. A 'Two-Factor Authentication Setup' button is also present. The 'General Information' section shows the company as 'PVX Plus Technologies Ltd.'. The 'Security Classifications' section lists 'Current Classes' with a table:

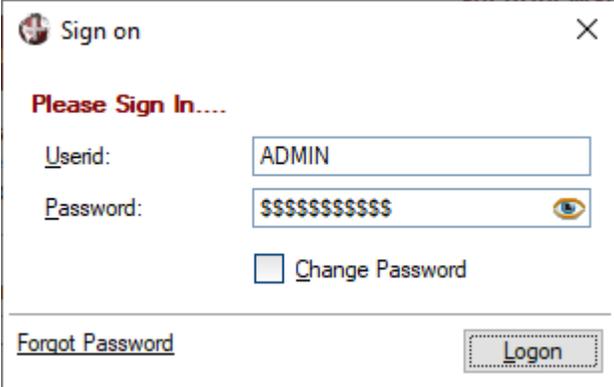
Class	Description
<input checked="" type="checkbox"/> ADMIN	System administration
<input type="checkbox"/> USER	General user

At the bottom, there is a checkbox for 'Reset Password on Next Logon' and buttons for 'Save', 'Delete', and 'Exit'.

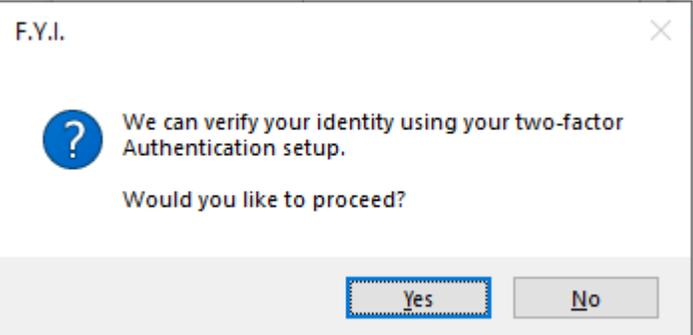
TWO-FACTOR AUTHENTICATION

Forgot Password

- **When Two-Factor Authentication is set up, if a user enters an incorrect password during system logon and the user's email address and/or SMS phone number are available, the system will provide a “Forgot Password” option in the Sign on window**
- **Selecting this option allows the system to re-authenticate the user for the purpose of resetting his/her password by displaying the following message**
- **If the user responds Yes, the system proceeds to verify the user's identity by sending a security code to the user's email address or SMS phone number. If the verification is successful, the Password Change window displays to allow the user to create a new password.**
- **If the user responds No, no identity verification is done, and the user is returned to the Sign on window**



The screenshot shows a 'Sign on' dialog box with a close button (X) in the top right corner. Below the title bar, the text 'Please Sign In....' is displayed. There are two input fields: 'Userid:' containing 'ADMIN' and 'Password:' containing '\$\$\$\$\$\$\$\$\$\$'. To the right of the password field is an eye icon. Below the password field is a checkbox labeled 'Change Password'. At the bottom left, there is a link 'Forgot Password' and at the bottom right, a 'Logon' button.



The screenshot shows an 'F.Y.I.' (Friendly User Interface) dialog box with a close button (X) in the top right corner. On the left is a blue question mark icon. To its right, the text reads: 'We can verify your identity using your two-factor Authentication setup. Would you like to proceed?'. At the bottom, there are two buttons: 'Yes' and 'No'.