



Middlebury

# Safe Computing Practices Multi-Factor Authentication

# What is Multi-Factor Authentication

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- **What is MFA? Multi-Factor Authentication (MFA) is a way of protecting your account when a password is not strong enough.**
- **MFA requires something you know (your password) and something you have (often a phone).**
- **At Middlebury, MFA can be used for Office365 and Exchange Online (Email).**



# What Does Multi-Factor Authentication Do?

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- MFA helps prevents data exposure when attackers have compromised your password.
- MFA reduces the risk of account takeovers by attackers have compromised your password.
- MFA helps to reduce the risk of phishing and other social engineering attacks as well as brute-force attacks against your account.

**Don't Fall Victim. Use MFA to Protect Your Data**



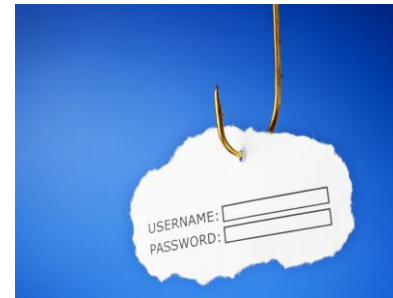
# Phishing Steals your Passwords

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- Phishing attacks attempt to fool individuals into giving up credentials or downloading malware which is capable of stealing credentials.
- The FBI and the American Bankers Association have identified phishing as a cause of account takeovers.
- The Federal Reserve recognizes multi-factor authentication as a critical security measure to protect against account takeovers. (<http://www.ffiec.gov/pdf/Auth-ITS-Final%206-22-11%20%28FFIEC%20Formatted%29.pdf>)
- Phishing has been a significant and effective threat against Middlebury over the past couple of years.



**Stop the Phish!**



XXXX,

Are you at your desk?  
Process a wire transfer of \$49,780.00 to the attached account information.

This payment should be coded to 'Operating Expenses'.

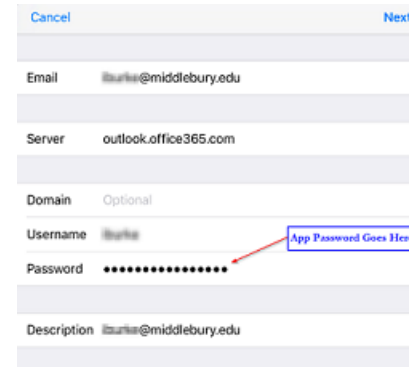
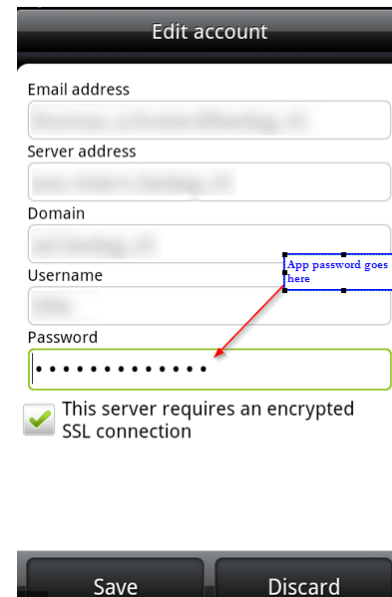
I'll expect you to get it done by COB today. Send me a note immediately payment is completed.

Thanks,



# Tools of the Trade

- MFA for some applications may require an App (application) Password (iOS and Android mobile are examples)
- MFA App Passwords can be created in your Office365 Portal
- Once generated the App Password is used in place of your normal password.
- More information on MFA can be found at <http://go.middlebury.edu/MFA> .

A screenshot of the Office 365 account settings page. The page has a light gray background and contains several input fields. At the top, there are 'Cancel' and 'Next' buttons. The fields are: 'Email' (lburke@middlebury.edu), 'Server' (outlook.office365.com), 'Domain' (Optional), 'Username' (lburke), and 'Password' (masked with dots). A red arrow points from a blue box containing the text 'App Password Goes Here' to the Password field. Below the Password field is a 'Description' field (lburke@middlebury.edu).A screenshot of a mobile application's 'Edit account' screen. The screen has a dark header with the text 'Edit account'. Below the header are several input fields: 'Email address', 'Server address', 'Domain', 'Username', and 'Password'. A red arrow points from a blue box containing the text 'App password goes here' to the Password field. Below the Password field is a checkbox labeled 'This server requires an encrypted SSL connection' which is checked. At the bottom of the screen are two buttons: 'Save' and 'Discard'.

# Please share your thoughts!

Information Security Resources:

<http://go.middlebury.edu/infosec>

<http://go.mis.edu/infosec>

<http://go.middlebury.edu/infosecfeedback>

Report Information Security Events To: [infosec@middlebury.edu](mailto:infosec@middlebury.edu)

