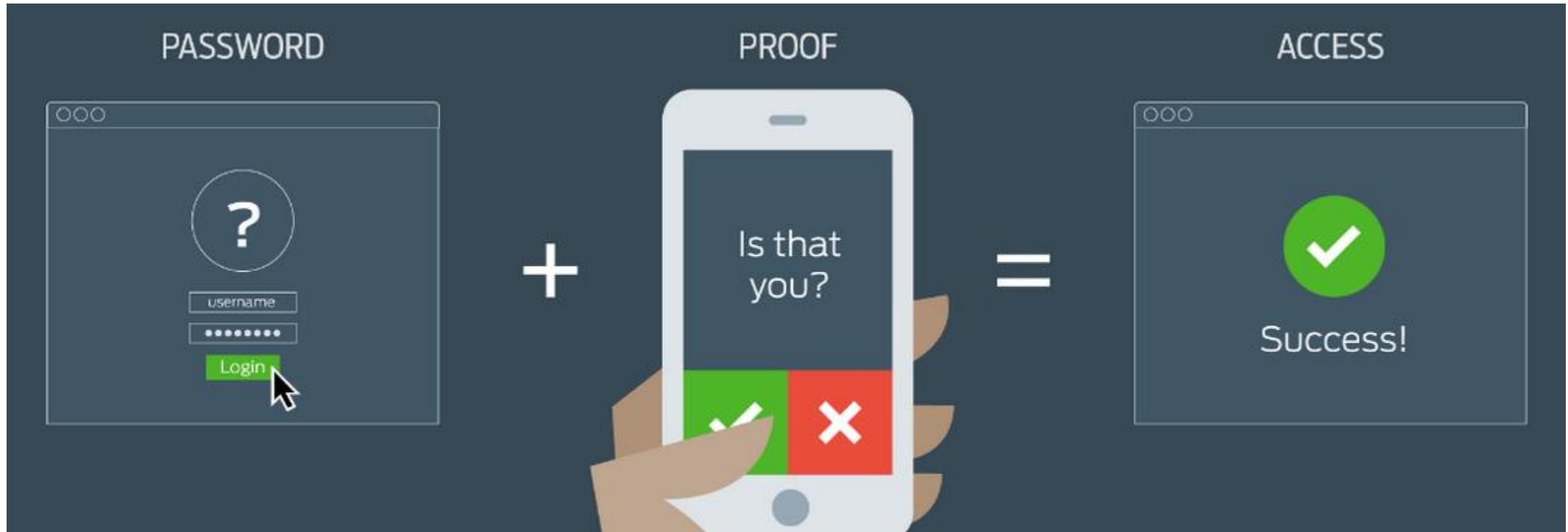


Multi Factor Authentication (MFA)





Today's Agenda

- What is MFA and why do we need it?
- How does it work?
- Enrolment Options
- The Enrolment Process
- The login process
- MFA Options
- Q&A



What is MFA and why do we need it?

MFA in a Nutshell

Multi-factor authentication (MFA) is an authentication process in which a user is granted access only after successfully providing two (or more) pieces of verification (known as factors) to an authentication process. MFA is a simple best practice authentication method that adds an extra layer of protection in addition to your username & password.

Examples of Second Factor Devices



iOS



Android



Windows
Phone



Cell Phones
& Landlines



Hardware
Token

What is MFA or Two-Factor Authentication and Why we need it.



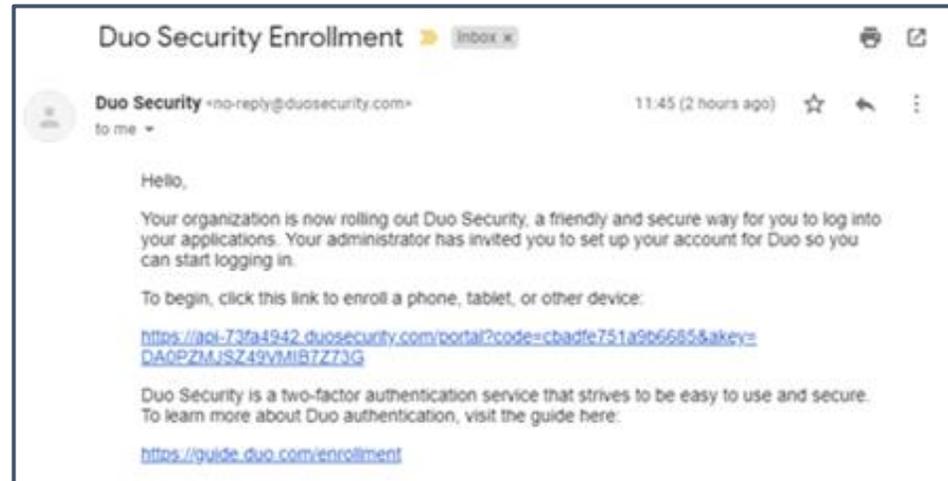


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Two Enrolment Options

Option 1: On the day of your scheduled enrolment at 11:30am you will receive an automated email from Duo Security inviting you to enrol. The enrolment process will take approximately 5 minutes to complete. The email will look something like this:



Option 2: Self enrolment. Visit the self enrolment webpage . **Please note this link is only available when on Campus or when connected to the VPN.** <https://duo-web.ucd.ie/>



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The enrolment process





The login process using the Duo Mobile App

1

UCD Connect Sign-On

Use your UCD Connect username and password to log into UCD Brightspace test

UCD ID

Password

Reset my Permissions for this Application. [What is this?](#)
[More Information](#)

LOGIN

[Change your password](#)

https://sso-test.ucd.ie/idp/profile/SAML2/Redirect/SSO?execution=e1s2

UCD

Authentication with Duo is required for the requested service. [Need Help?](#)

[Settings](#)

Send Me a Push

Enter a Passcode

Cancel this Request

WhatsApp 12:48 81%

Login Request
Protected by Duo Security

UCD

University College Dublin
Shibboleth

[Settings](#)

137.43.64.211
Dublin, L, IE

12:48:23 IST
23 September 2019

Approve **Deny**



IT Services recommends using the Duo Mobile App and Duo Push as your Second Factor

Here's why Duo push is our recommended authentication method.

- It's quicker than a text or a phone call
- Authenticating with a text message requires waiting to receive the text, reading a passcode, and then typing it in.
- Phone calls require answering the phone, listening to the recording, and using the dial pad to approve the login.
- Duo Push is as simple as approving a notification on your smartphone.
- It's the most secure option:
 - *Duo Push uses end-to-end encryption for added security.*
 - *The Duo Push screen displays detailed information about the application and source device that initiated the authentication request.*

Added benefit of using the Duo Mobile App is that you can use it even if you don't have a Wi-Fi connection or mobile signal.

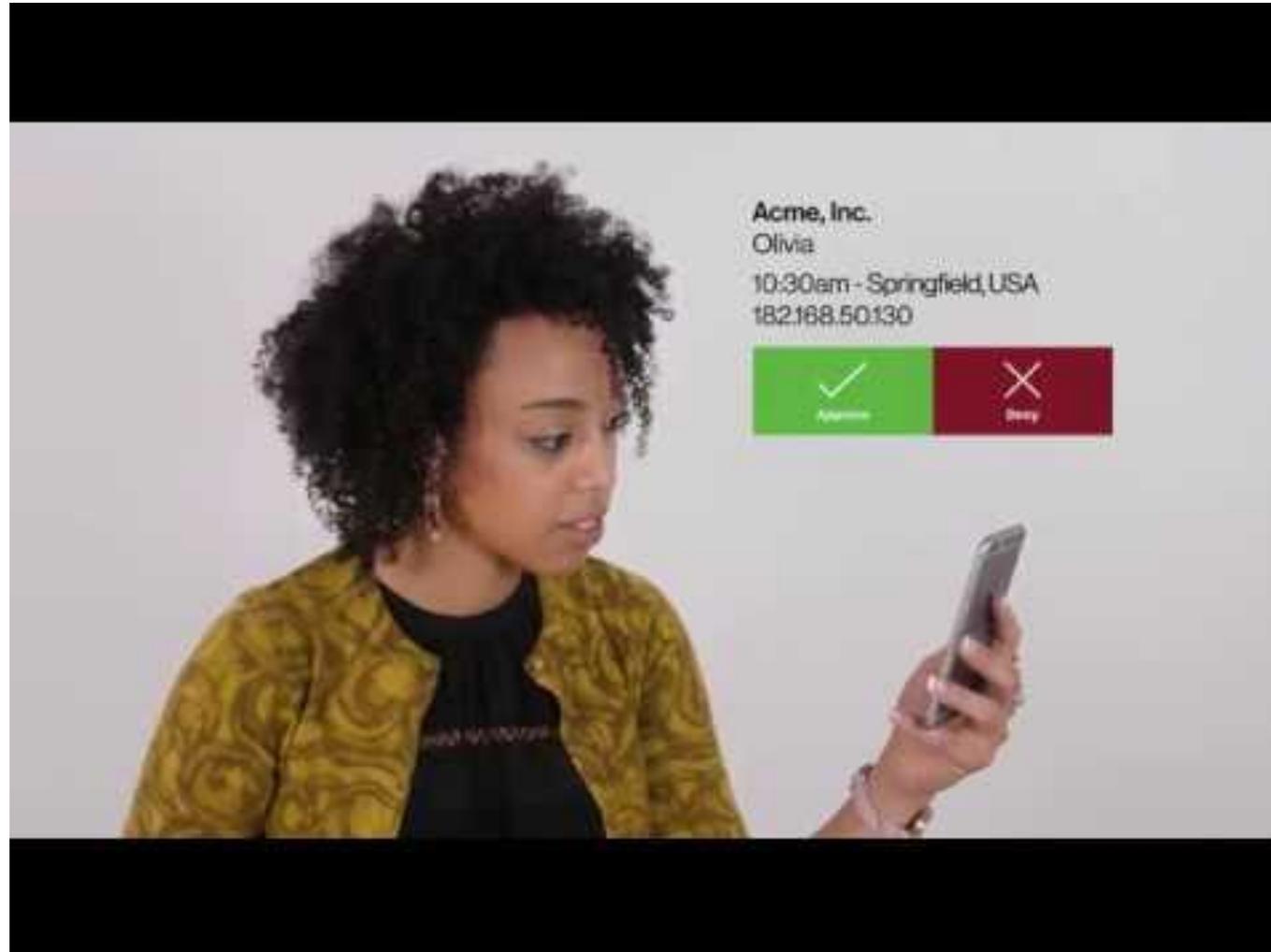
- Tap the icon in the Duo Mobile app to generate an authentication passcode.
- You do not need an internet connection or a cellular signal to generate these passcodes.



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Authenticate with Duo Push - Duo Security





Duo Mobile App FAQs:

- The Duo Mobile App is not a Mobile Device Management (MDM) tool.
 - *IT Services can't see your messages or contacts or any information on your device.*
- The Duo Mobile App does not track your geographic location information.
- Camera access is only required during initial setup to scan a QR code from the enrolment email.
- Data usage to receive a 'Push Verification' is less than 2kb per Push.
- Push Verification works via Wi-Fi or mobile networks.
- Installing the Duo Mobile application will take up approximately 8MB of space on your mobile device.
- The Duo Mobile App can also be used if you don't have a Wi-Fi connection or mobile signal.
- UCD IT Services Privacy Statement available on the MFA Website or from here:

https://www.ucd.ie/itservices/t4media/UCD_ITServices_DuoMobileAppPrivacy.pdf

Please Note:

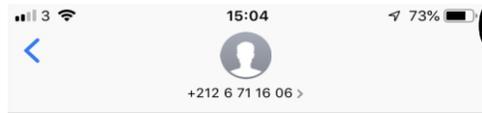
Installing the Duo Mobile App doesn't mean you have to share your mobile number. You can register your smartphone as a tablet and you will not be required to share your mobile number.



Multi Factor Authentication (MFA)

Login process using SMS or Callback or Passcode

SMS



Text Message
Thu, 8 Aug, 16:07

Duo login code: 627395

Thu, 5 Sep, 16:11

Duo login code: 831922



Callback



DUO ADMIN
University College Dublin



DUO-PROTECTED
University College Dublin

607 680



[About passcodes](#)

Passcode





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Questions & Answers



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For more information visit
<https://www.ucd.ie/itservices/mfa>

OR

Contact ithelpdesk@ucd.ie



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*Thank
You*