

# Bocconi

**CYBERSECURITY GOOD PRACTICES**

**privacyIDEA 2FA**

Setup guide



Università  
Bocconi  
MILANO

**Security Operations Center**  
**Technology**  
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## 2FA - How It Works

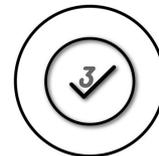
Two-Factor Authentication (2FA) enhances the security of Bocconi credentials by using a secondary device to verify identity when a student access University applications. This service provides enhanced security and protects Bocconi student accounts in the event that someone manages to obtain login credentials.



Enter your credentials



Use your phone to  
verify your identity



You're securely logged in

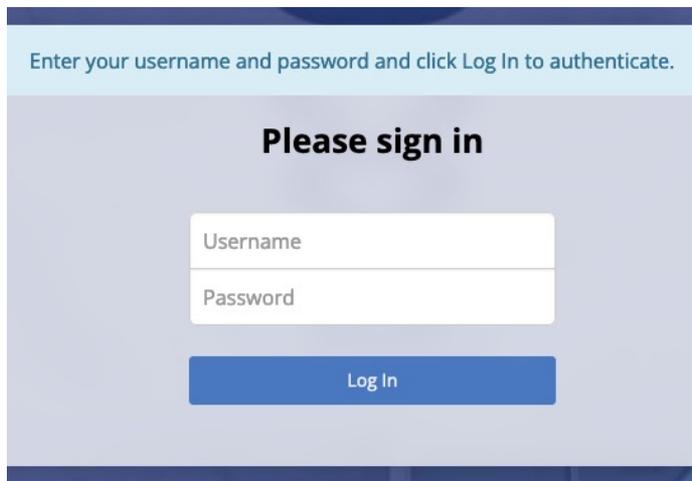
**privacyIDEA Authenticator** is a two-factor authentication app that adds an extra layer of security to your Bocconi student accounts.



From your laptop open a browser and connect to: **<https://pidea.unibocconi.it>**

then enter your credentials (your studentID and your password).

Please note that the link is available only from the Wi-Fi network: *bocconi-studenti*



Enter your username and password and click Log In to authenticate.

**Please sign in**

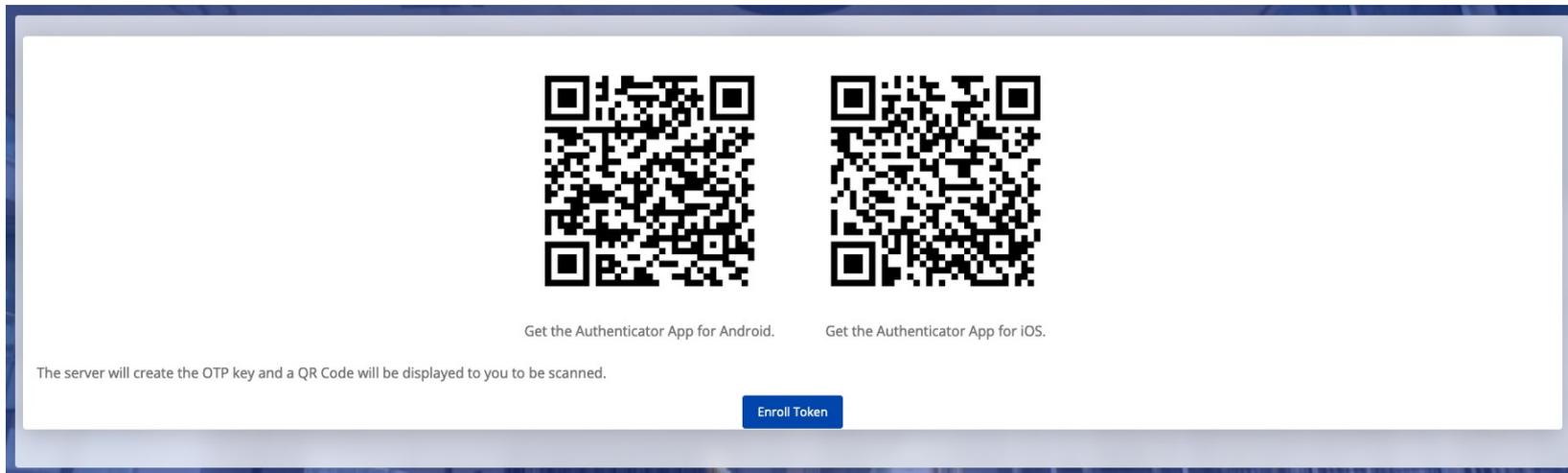
Username

Password

Log In



Depending on whether you have an iPhone or an Android, scan one of the two available QR codes and download and install the *privacyIDEA Authenticator* app.



Then click «Enroll Token»



1. Open privacyIDEA Authenticator, tap the  button.

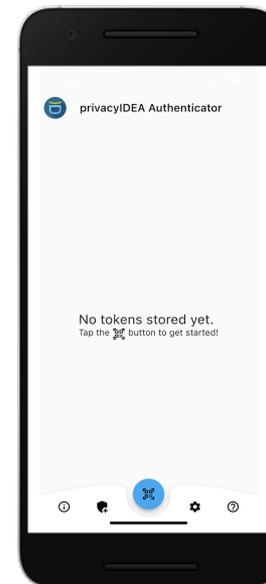
2. Scan the QR code, enter the six digits OTP value and then click on «Verify Token».



The token was enrolled, but you still need to verify it before you can use it!

Please enter a valid OTP value of the new token.

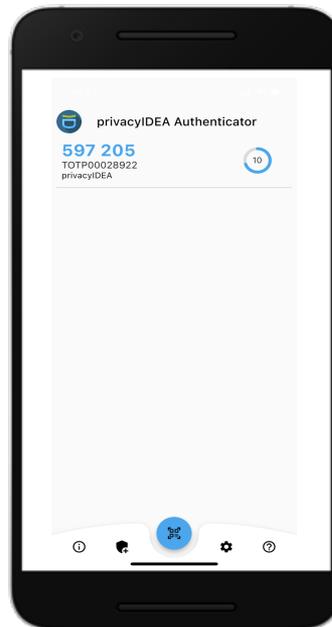
Verify Token



If everything went correctly click on «Logout»

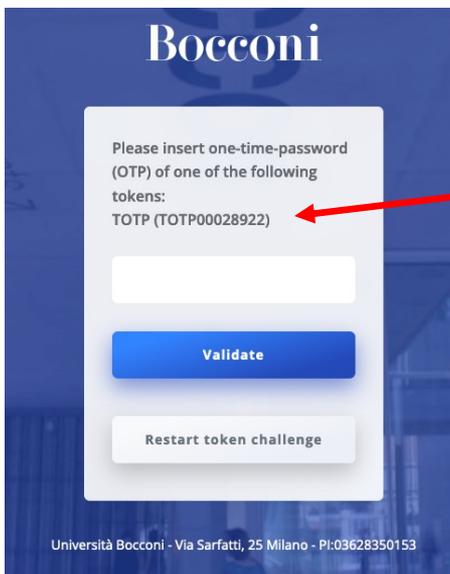


You have done the correct setup of your privacyIDEA Authenticator app



The next time you log in to an application in SSO, after entering your credentials you will be asked to enter the second factor authentication (2FA).

Open privacyIDEA Authenticator, enter the OTP value that appears on the screen and then click «Validate».



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Please insert one-time-password (OTP) of one of the following tokens:

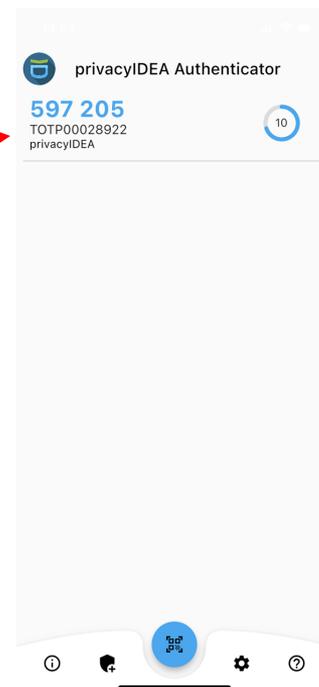
TOTP (TOTP00028922)

**Validate**

Restart token challenge

Università Bocconi - Via Sarfatti, 25 Milano - P.I:03628350153

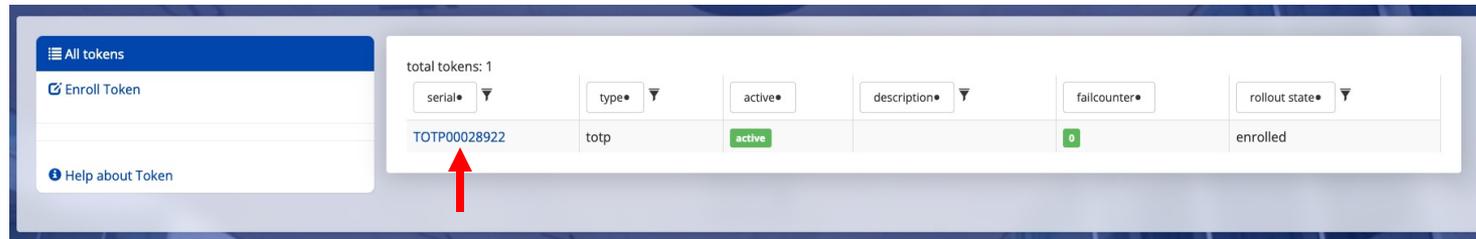
Note that the token value, in this example (TOTP00028922), is the same that appears on your app.



## How to switch to a new smartphone (1/2)

If you change, lose or have your smartphone stolen, for security reasons you must enroll a new token.  
Login with your credentials to: <https://pidea.unibocconi.it>

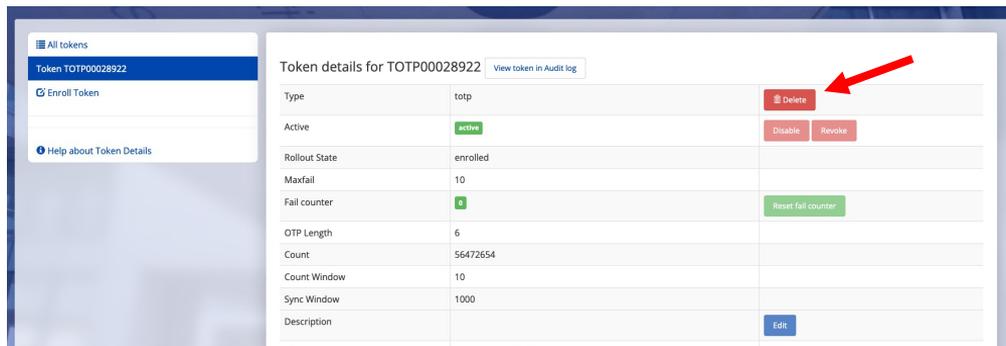
Click on the serial token



The screenshot shows the 'All tokens' page in the PIDEA interface. On the left, there is a sidebar with 'All tokens', 'Enroll Token', and 'Help about Token'. The main area displays a table of tokens. The table has columns for 'serial', 'type', 'active', 'description', 'failcounter', and 'rollout state'. A single token is listed with serial 'TOTP00028922', type 'totp', active status 'active', and rollout state 'enrolled'. A red arrow points to the 'serial' column header and the value 'TOTP00028922'.

serial	type	active	description	failcounter	rollout state
TOTP00028922	totp	active		0	enrolled

Then click «Delete» button



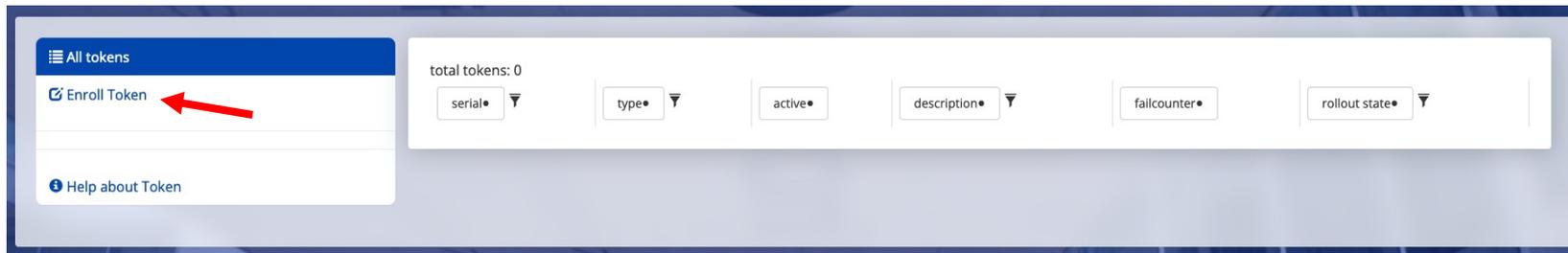
The screenshot shows the 'Token details for TOTP00028922' page. The left sidebar has 'All tokens', 'Token TOTP00028922', 'Enroll Token', and 'Help about Token Details'. The main area shows a table of token details. A red arrow points to the 'Delete' button in the top right corner of the table.

Type	totp	<a href="#">Delete</a>
Active	active	<a href="#">Disable</a> <a href="#">Revoke</a>
Rollout State	enrolled	
Maxfail	10	
Fail counter	0	<a href="#">Reset fail counter</a>
OTP Length	6	
Count	56472654	
Count Window	10	
Sync Window	1000	
Description		<a href="#">Edit</a>

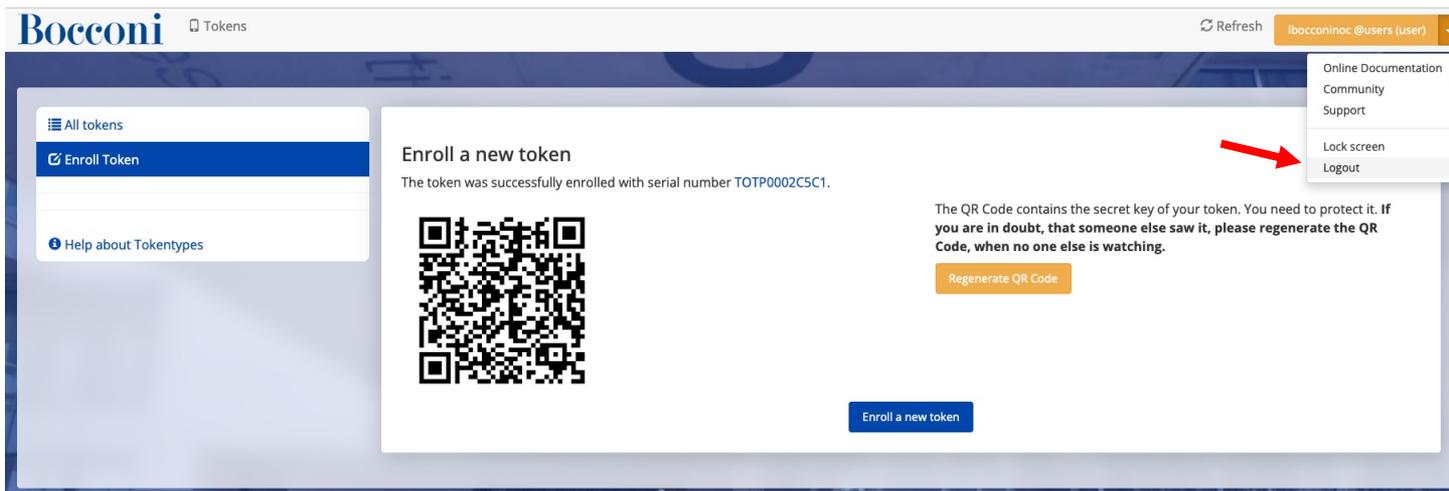


## How to switch to a new smartphone (2/2)

Click «Enroll Token» to start to enroll a new token.



Once the enrollment procedure has been completed, click «Logout»

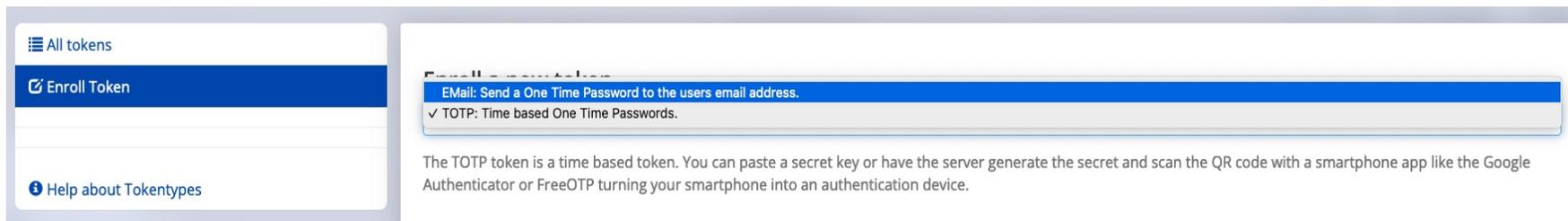


## I don't have my smartphone with me, what can I do? (1/2)

If you need to authenticate yourself and you don't have your smartphone with you, you need to enroll a new different token type.

Login with your credentials to: <https://pidea.unibocconi.it>

Click «Enroll Token» then, from the drop-down menu select «Email: Send a One Time Password to ...»



The screenshot shows the 'Enroll Token' interface. On the left, a sidebar menu contains 'All tokens', 'Enroll Token' (highlighted), and 'Help about Tokentypes'. The main area displays a dropdown menu with two options: 'Email: Send a One Time Password to the users email address.' (highlighted) and '✓ TOTP: Time based One Time Passwords.'. Below the dropdown, a text block explains: 'The TOTP token is a time based token. You can paste a secret key or have the server generate the secret and scan the QR code with a smartphone app like the Google Authenticator or FreeOTP turning your smartphone into an authentication device.'



## I don't have my smartphone with me, what can I do? (2/2)

Now, you can choose from two options:

1. Flag «**Read email address dynamically from user source on each request**» and then click «Enroll Token»
2. Enter an email address in «**Email Address**» and then click «Enroll Token»

In both options, you will receive an email from **privacyidea@unibocconi.it** with the new token.

In option 1, the email will be sent to the address specified upon admissions.

Remember that the «Email Token» is a valid for 180 sec.

The screenshot shows the 'Enroll a new token' configuration page in the privacyIDEA web interface. On the left, a sidebar contains a menu with 'All tokens', 'Enroll Token' (highlighted), and 'Help about Tokentypes'. The main content area is titled 'Enroll a new token' and includes a text input field for 'Email: Send a One Time Password to the users email address.' Below this, a description states 'The Email Token sends the OTP value to the users email address.' Under the 'Token data' section, there is a checkbox for 'Read email address dynamically from user source on each request.' The 'Email Address' section features a text input field with the placeholder 'Users email address...' and an 'Enroll Token' button at the bottom right.



**THANKS.**



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