



BDC User Guide: Using Multi-Factor Authentication (MFA) with Authentication Hub

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Introduction

The Broker Dealer Clearance (BDC) application now supports enhanced Multi-Factor Authentication (MFA) via the BNY Authentication Hub service.

Clients can authenticate using their User ID and Password as the initial factor. Clients have several options for second factors. Second factors can include emailed OTP and Mobile OTP.

One-Time Passwords (OTPs) are sent to the existing email address which is already on file. Additionally, Mobile OTPs can be self-provisioned by client users via the Authentication Hub URLs, shown *below*.

BDC Authentication Hub based URLs

Clients can use the Authentication Hub to logon to BDC with these URLs:

Production: <https://www.clearance.bnymellon.com/bdcui/ClearanceUI.html>

Test: <https://www-catb.clearance.bnymellon.com/bdcui/ClearanceUI.html>

NOTE: Above URLs for enhanced authentication are available in parallel with the existing BDC URLs.

Authentication Hub URLs

To authenticate into BDC, clients must have network access to the Authentication Hub URL:

Production: <https://authhub.bny.com>

Test: <https://authhub.qa.bny.com/>

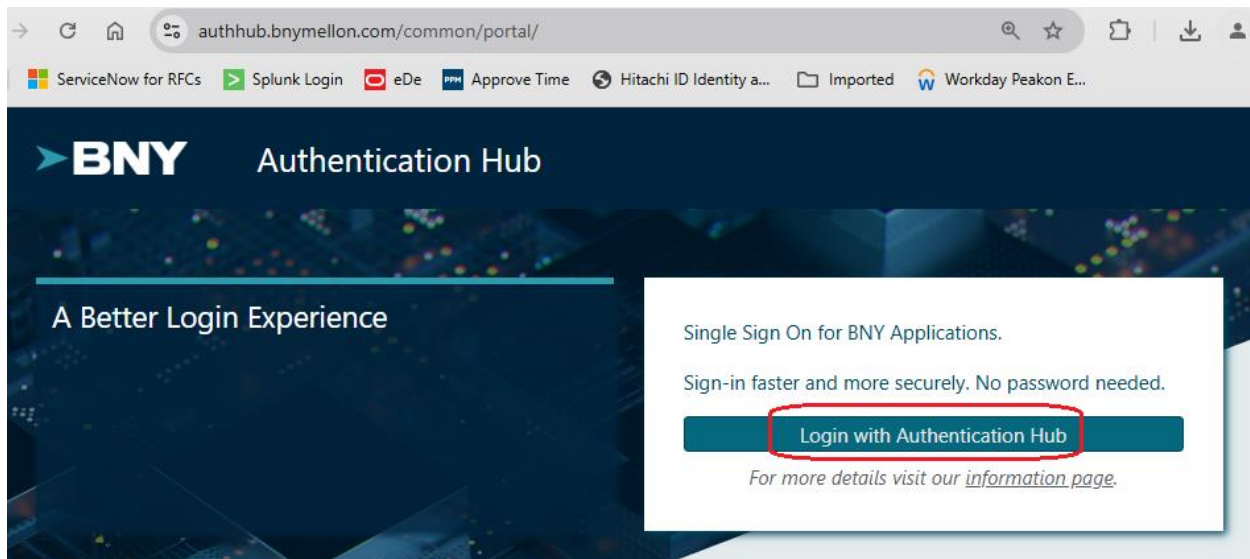
NOTE: If network access is not functioning for above URLs, please work with your network team to provide network routing and access to the IP Addresses provided in *Appendix A: IP Addresses for Authentication Hub*

What is Mobile OTP?

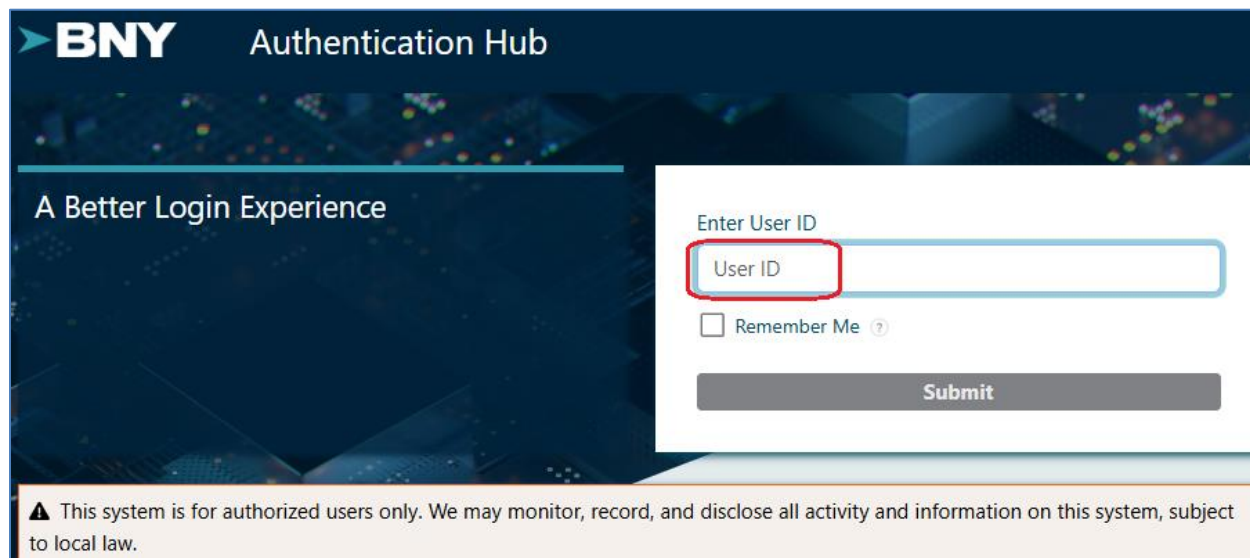
Clients may download a variety of Mobile OTP apps to their phone and utilize the application to generate a rotating code which can be used as a second factor to authentication into BDC. Mobile OTP applications can run on a variety of devices, including iOS and Android. Applications include Google Authenticator, Microsoft Authenticator, 1Password, LastPass, Duo, and others.

Instructions for provisioning Mobile OTP with Authentication Hub

1. Go to the **Authentication Hub** URL
(For Production - <https://authhub.bny.com> ; For Test - <https://authhub.qa.bny.com/>)
2. Select **Login with Authentication Hub**



3. Enter your **User ID** and click **Submit**:



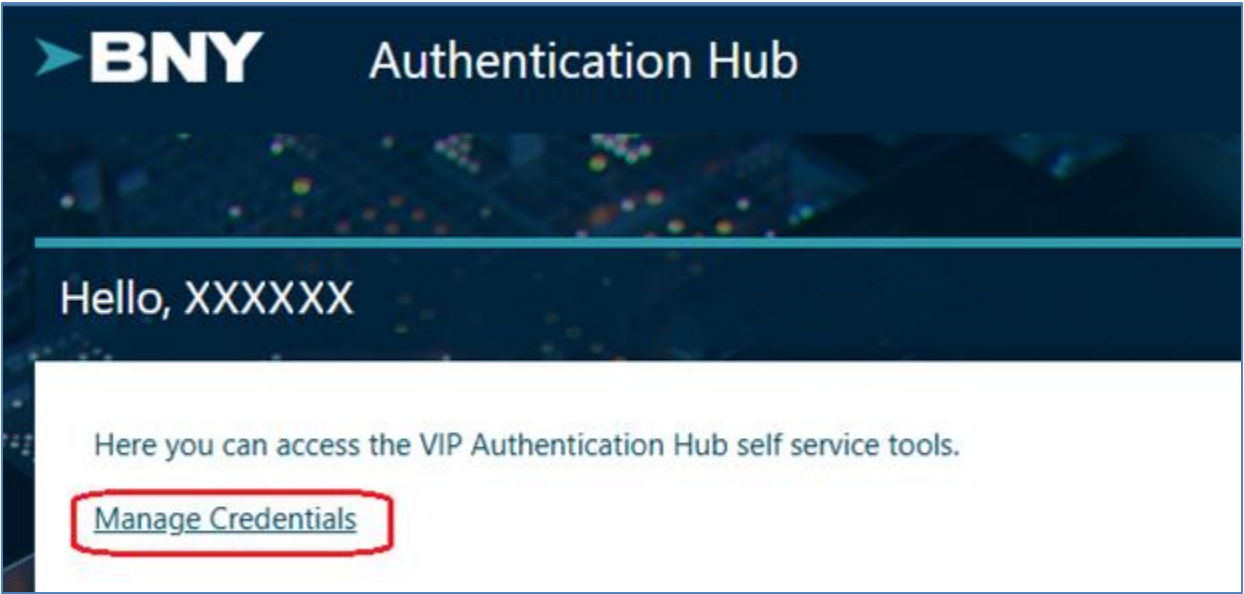
4. At the Factor Selection screen, select **Enter password**:

The screenshot shows the BNY Authentication Hub interface. On the left, a dark blue sidebar contains the text "Factor Selection". The main area has a white background with the heading "Select an authentication method". Below this heading are four radio button options: "RSA Authenticator", "Login with ZVZ Azure External", "Use code from mobile app", and "Enter password". The "Enter password" option is selected and highlighted with a red rectangular box. Below the radio buttons is a checkbox labeled "Remember my choice" with a question mark icon. At the bottom of the form is a grey "Select" button. Below the button are the words "Not" and a question mark icon.

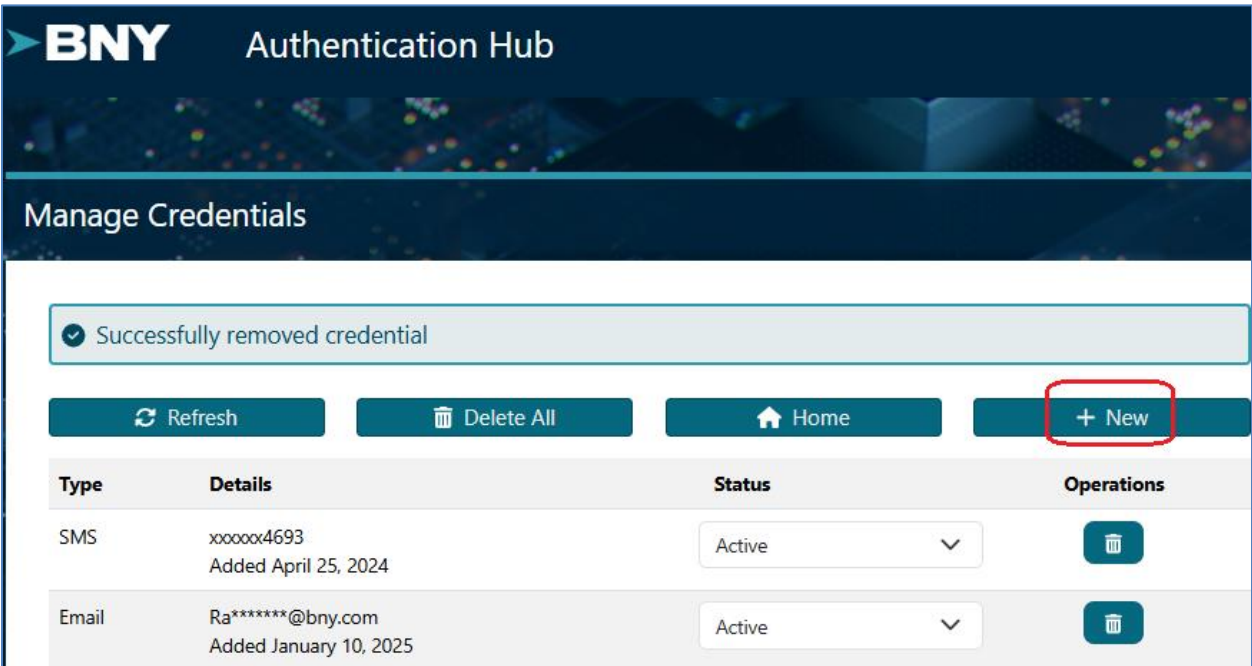
5. Enter your **password** and click **Submit**:

The screenshot shows the BNY Authentication Hub interface. On the left, a dark blue sidebar contains the text "Password Login". The main area has a white background with the heading "Enter your password". Below this heading is a password input field with a red rectangular box around it, containing ten dots. Below the input field are two buttons: a teal "Submit" button and a white "More Options" button. At the bottom of the form are the words "Not" and a question mark icon.

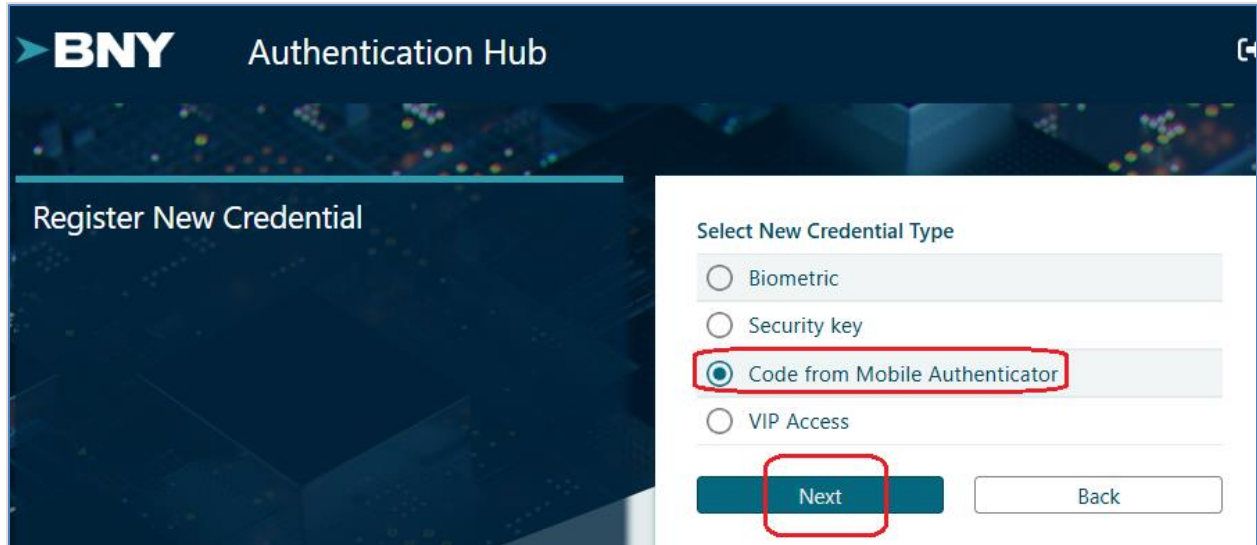
6. Click on **Manage Credentials**:



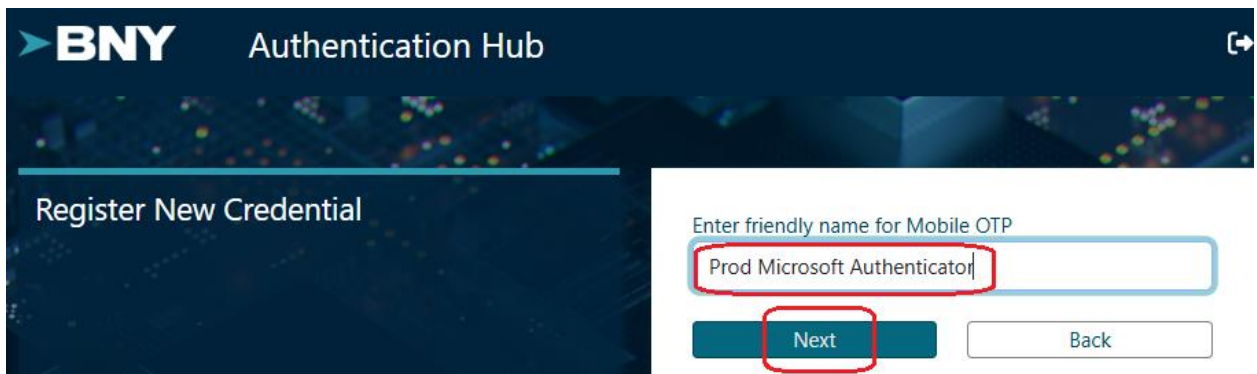
7. Click on **+ New**:



8. Select **Code from Mobile Authenticator** and click on **Next**:



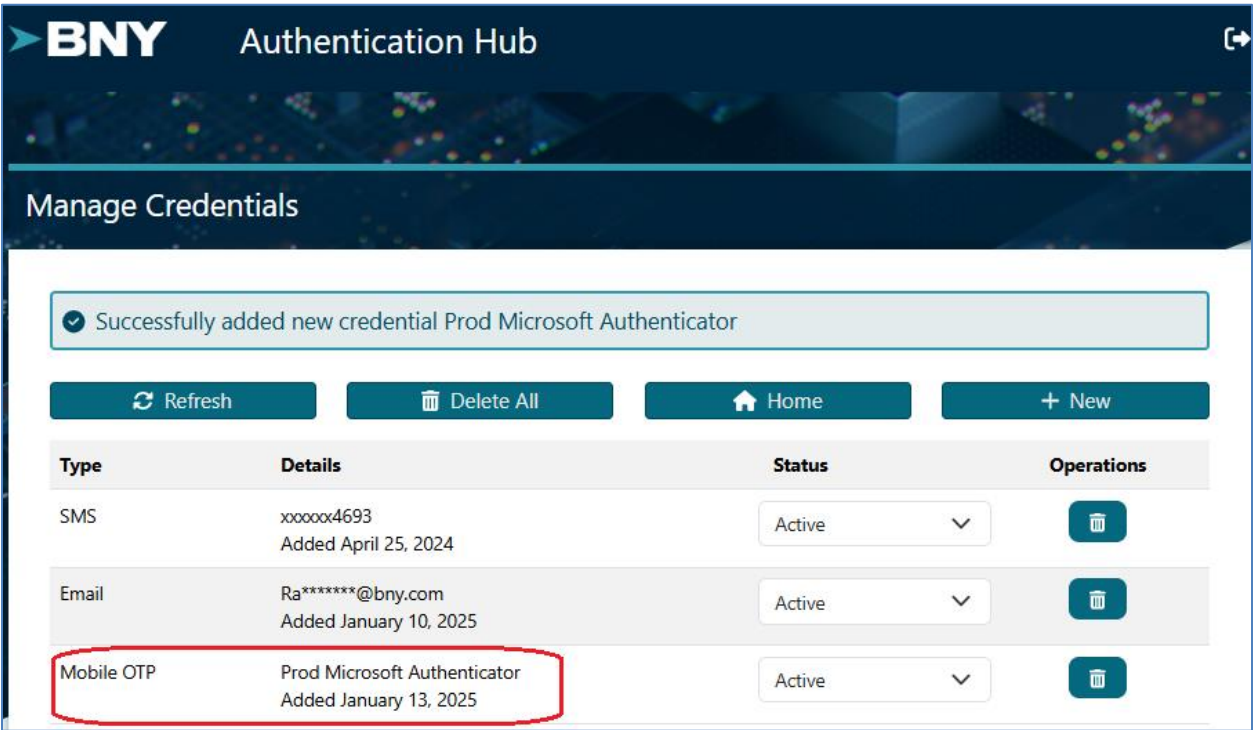
9. Provide user friendly name, for example **Prod Microsoft Authenticator or Google Authenticator**
10. Click **Next**:



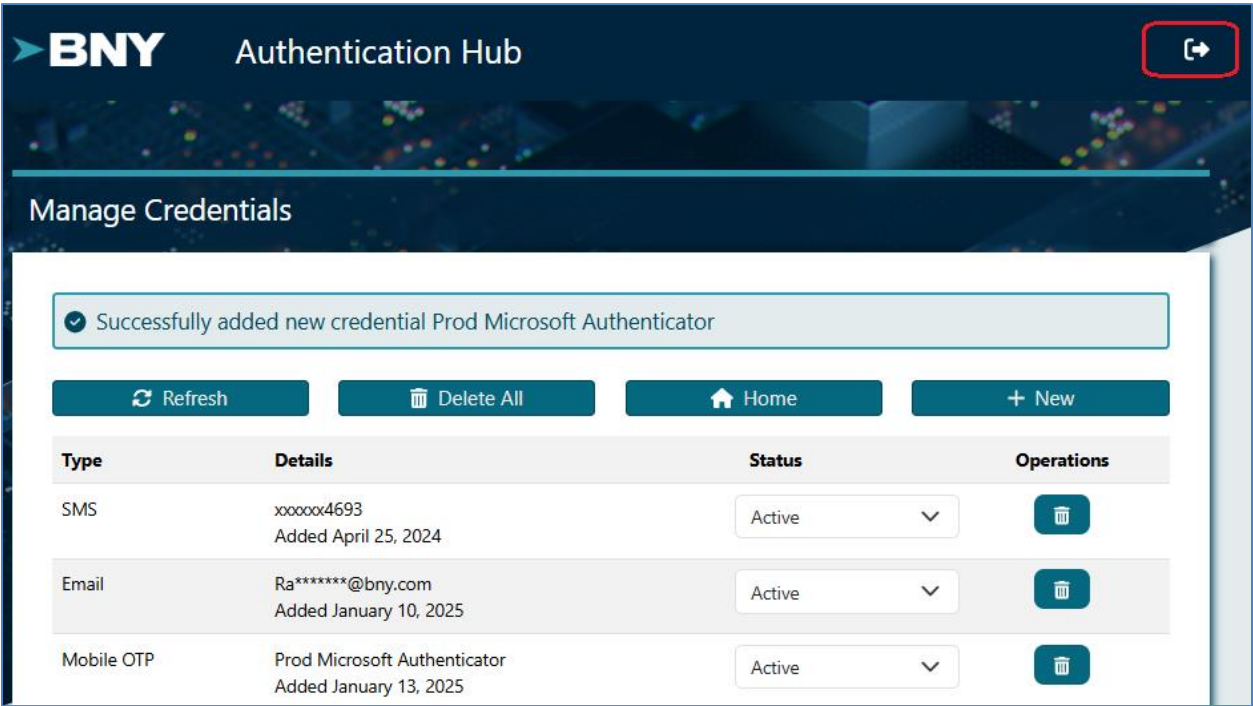
11. Scan the **QR code** on your mobile device and then enter the six-digit **pass code** shown below:



12. Open **Authenticator App** on your mobile device and click on **+** to add the new credentials. (Sample apps include Microsoft Authenticator or Google Authenticator)
- With Microsoft Authenticator, select **Personal account** and then select **Scan QR code**
 - Scan the QR code from the screen and give it a name (example. BNY Prod Authhub Authenticator)
 - Under this you'll see a six-digit code which refreshes every 30 seconds.
 - Enter this six-digit code in the above screen and you can see the **Authenticator** option showing up on the screen shown below.



13. Click on the **Logout** icon on the top right corner of the screen:



Instructions to login to BDC using Mobile OTP

These steps are completed after you have been provisioned.

1. Log in to Test or Production BDC application URL

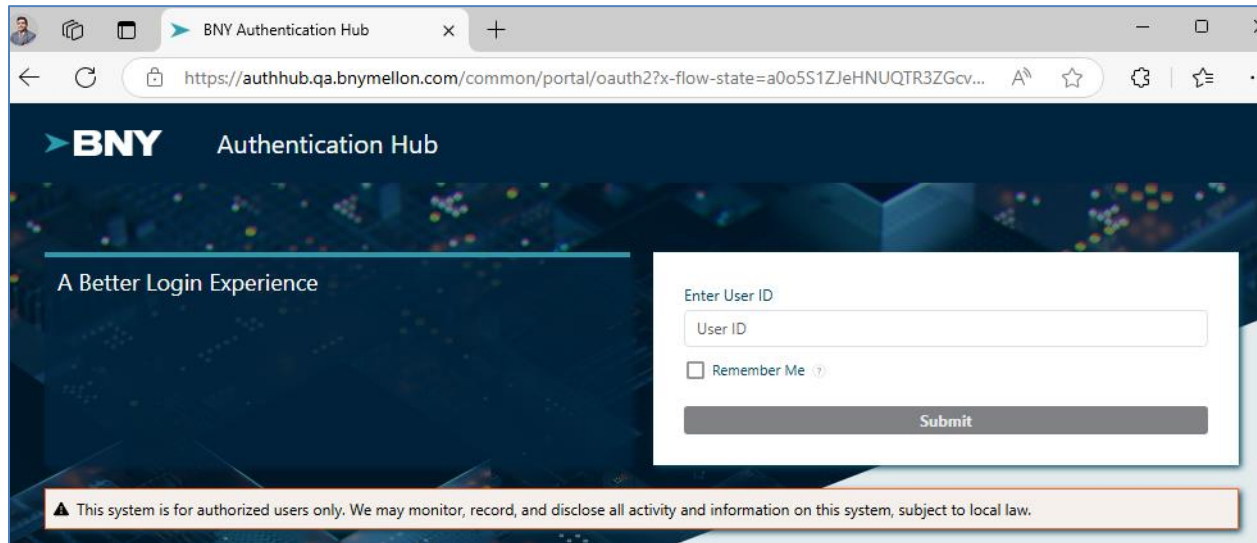
Production: <https://www.clearance.bnymellon.com/bdcui/ClearanceUI.html>

Test: <https://www-catb.clearance.bnymellon.com/bdcui/ClearanceUI.html>

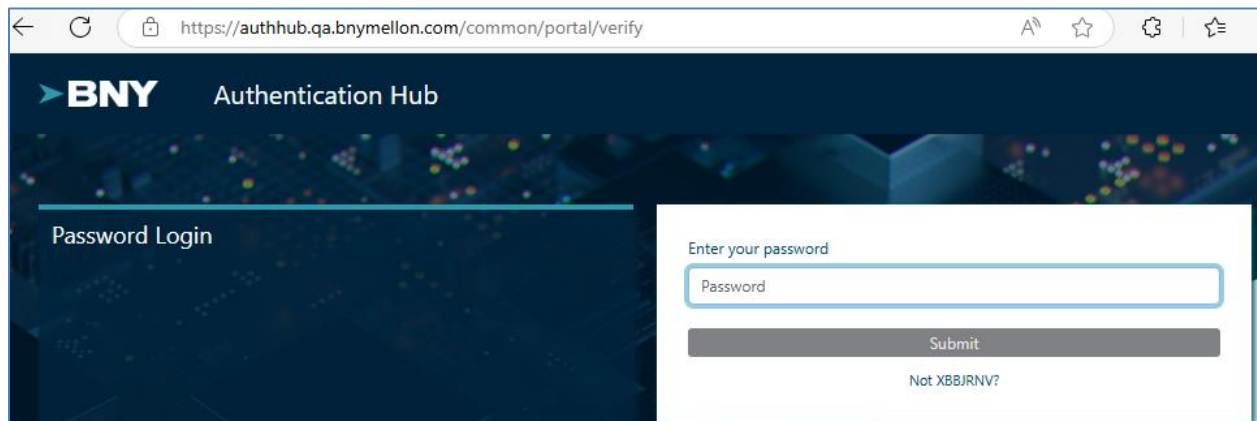
Assuming you are logging to Test BDC URL, the system will auto-redirect to

<https://authhub.qa.bnymellon.com> url

2. Enter **User ID** and click **Submit**



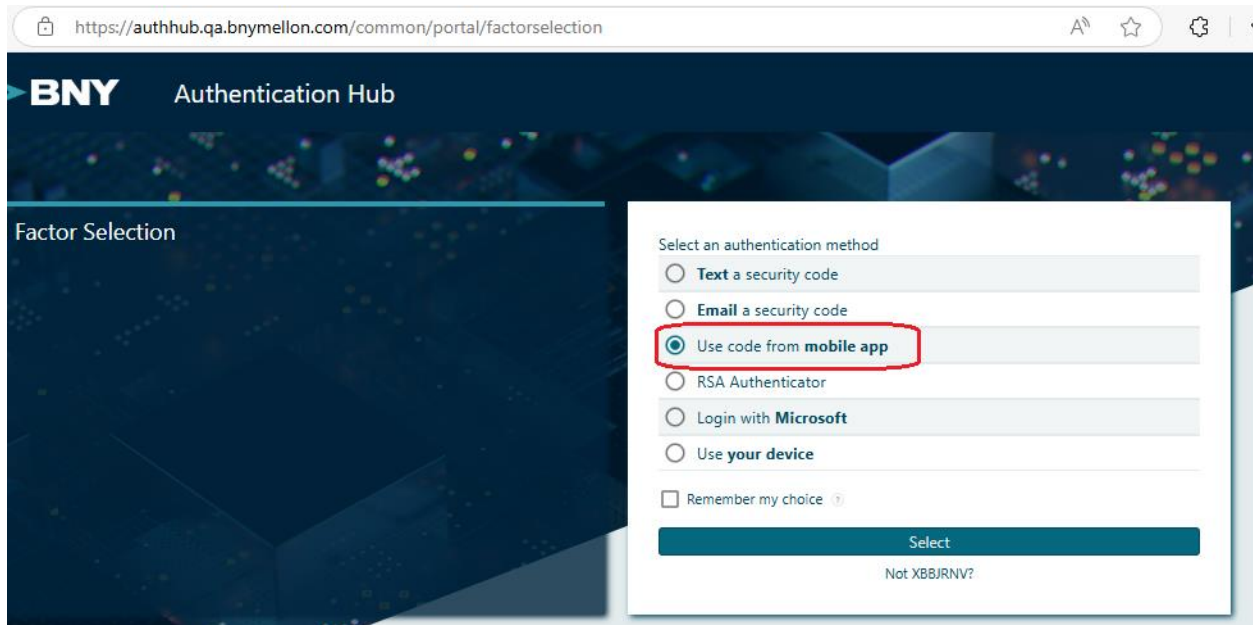
3. Enter your **Password** and click **Submit**.



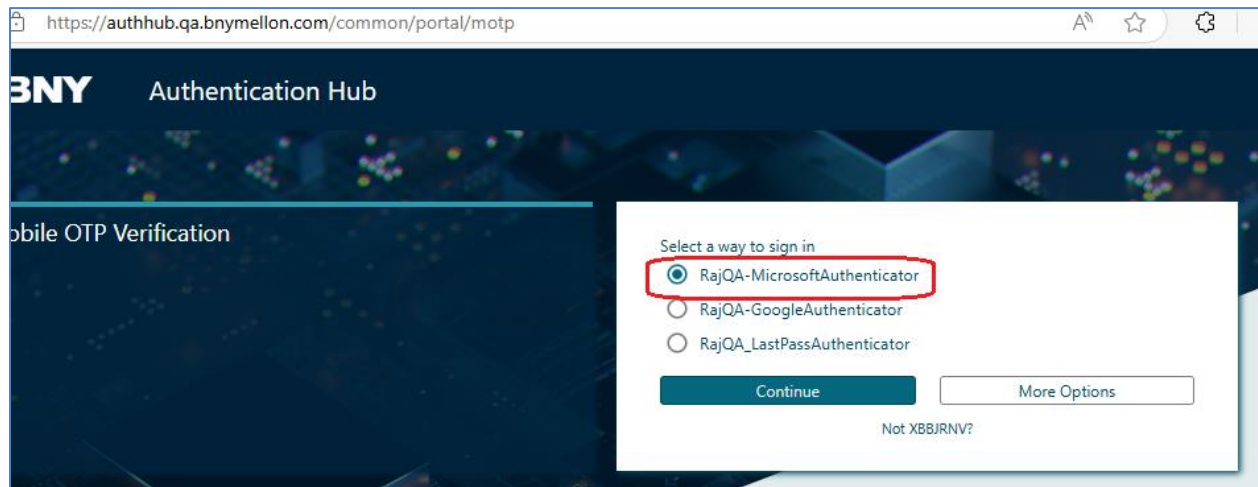
Now you can see at least two options:

- **Email** a security code"
- Use code from **mobile app**

4. Select **Use code from mobile app** and click **Select**, as shown below:

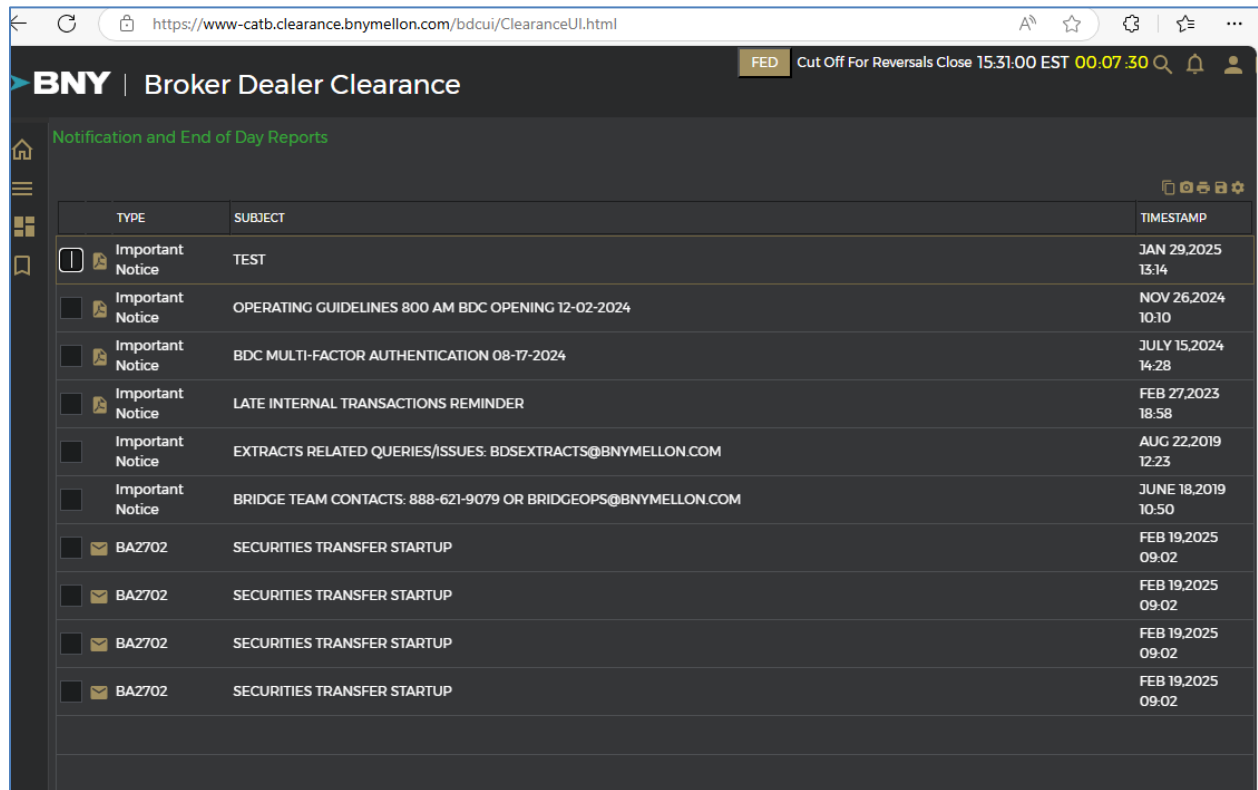


5. Select the Authenticator you have chosen and click **Continue**



6. Enter the six-digit authenticator code from your mobile app.

The system will direct you to the BDC application, as shown in the sample below.



The screenshot shows the BNY Broker Dealer Clearance application interface. The browser address bar displays the URL: <https://www-catb.clearance.bnymellon.com/bdcui/ClearanceUI.html>. The page header includes the BNY logo, the title "Broker Dealer Clearance", and a status bar showing "FED" and "Cut Off For Reversals Close 15:31:00 EST 00:07:30". The main content area is titled "Notification and End of Day Reports" and contains a table of notifications.

TYPE	SUBJECT	TIMESTAMP
Important Notice	TEST	JAN 29,2025 13:14
Important Notice	OPERATING GUIDELINES 800 AM BDC OPENING 12-02-2024	NOV 26,2024 10:10
Important Notice	BDC MULTI-FACTOR AUTHENTICATION 08-17-2024	JULY 15,2024 14:28
Important Notice	LATE INTERNAL TRANSACTIONS REMINDER	FEB 27,2023 18:58
Important Notice	EXTRACTS RELATED QUERIES/ISSUES: BDSEXTRACTS@BNYMELLON.COM	AUG 22,2019 12:23
Important Notice	BRIDGE TEAM CONTACTS: 888-621-9079 OR BRIDGEOPS@BNYMELLON.COM	JUNE 18,2019 10:50
BA2702	SECURITIES TRANSFER STARTUP	FEB 19,2025 09:02
BA2702	SECURITIES TRANSFER STARTUP	FEB 19,2025 09:02
BA2702	SECURITIES TRANSFER STARTUP	FEB 19,2025 09:02
BA2702	SECURITIES TRANSFER STARTUP	FEB 19,2025 09:02

Appendix A: IP Addresses for Authentication Hub

Client workstations need access to the below IP addresses in order to login to BDC.

If network access is not functioning, please work with your network team to provide network routing and access to the IP Addresses provided below.

Production

Name: [authhub.extadcglob.bnymellon.com](#)

Addresses 170.61.134.101

170.61.72.139

170.61.56.147

Aliases: [authhub.bnymellon.com](#)

QA

Name: [authhub.extadcqual.bnymellon.com](#)

Addresses: 170.61.60.72

170.61.145.85

170.61.77.177

Aliases: [authhub.qa.bnymellon.com](#)

Name: [sp.extadcqual.bnymellon.com](#)

Addresses: 170.61.77.110

170.61.61.169

Aliases: [zwa-bdc-ssozone.qa.bnymellon.com](#)

Document Version Table

VERSION NUMBER	ISSUE DATE	SUMMARY OF UPDATES FOR THIS VERSION
1.0	March 13, 2025	Initial Iteration.
1.1	March 13, 2025 as of April 1, 2025	Added additional QA URLs in Appendix A.
1.2	April 28, 2025	Page 3 - updated two Authentication Hub URLs for Production and Test to include bny.com instead of bnymellon.com Page 4 - In step 1, updated two URLs for Production and Test to include bny.com instead of bnymellon.com

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