



# PACER MFA STARTER KIT

*Securing Legal Access*








**Empower Your Court System Access  
with Multi-Factor Authentication Essentials**

A Step-by-Step Guide

Time-based One-Time Password (TOTP) authentication enhances security by requiring users to provide a dynamic, time-sensitive code along with their credentials. Integrating TOTP with your Secret Server allows for robust multi-factor authentication (MFA) on stored secrets, providing an additional security layer. This article walks you through the essential steps to enable TOTP for a secret, configure it properly, and follow best practices to maintain security integrity.






Step 1: Configure the Secret Template for TOTP

Before enabling TOTP on individual secrets, the underlying secret template must support TOTP functionality.

				
<b>Access the Secret Templates:</b>	<b>Select or Create a Template:</b>	<b>Add a One-Time Password (OTP) Field:</b>	<b>Configure TOTP Settings:</b>	<b>Save the Template:</b>
Navigate to Admin > Secret Templates within the Secret Server interface.	Choose an existing secret template (e.g., “Web Password”) or create a new one tailored to your needs.	Modify the template by adding an OTP field designed to store and generate TOTP codes.	Define the TOTP parameters, including the hashing algorithm (such as SHA-1, SHA-256), the period (time interval, typically 30 seconds), and the number of digits for the OTP code (commonly 6).	Confirm and save your changes to ensure the template supports TOTP generation.

Step 2: Create or Edit a Secret with TOTP Enabled

Once the template supports TOTP, apply it to the actual secrets.

				
<b>Navigate to Secrets:</b>	<b>Create or Modify a Secret:</b>	<b>Enter the TOTP Secret Key:</b>	<b>Enable TOTP Generation:</b>	<b>Save the Secret:</b>
Go to Secrets > All Secrets.	Use the TOTP-enabled secret template to create a new secret or edit an existing one.	Input the secret key provided by your external authentication system (e.g., Google Authenticator or an enterprise MFA solution).	If available, activate the option to generate TOTP codes within the Secret Server.	Finalize by saving your secret with the TOTP configurations.

**Step 3: Generate and Use TOTP Codes**

After setup, generate OTPs to authenticate or autofill login credentials.

**01. Open the Secret:**

Access the saved secret in Secret Server.

**02. Generate One-Time Password:**

Click the option to Generate One-Time Password to produce the current TOTP code.

**03. Copy and Use the Code:**

Use the displayed TOTP code to authenticate on your target system.

**04. Utilize Web Password Filler (WPF) if Available:**

If integrated, WPF can autofill credentials and TOTP codes for seamless login experiences.

**Step 4: (Optional) Configure Secret Server as a TOTP Generator**

Secret Server can act as a TOTP generator for enhanced control.

**Confirm**

the secret template's TOTP settings are active.

**Enable TOTP**

generation in the secret's configuration settings.

**Test code generation**

with the target application to ensure compatibility.

**Step 5: Securely Store Backup Codes**

Backup codes act as fallback authentication in case TOTP devices are unavailable.

- 01.** Store backup codes encrypted within Secret Server to prevent unauthorized access.



- 02.** Treat each backup code as a one-time use credential to bypass TOTP when necessary.

**Step 6: Test the TOTP Setup Thoroughly**

Validation is critical to ensure a smooth user experience.

**Test**

user login procedures requiring TOTP codes.

**Confirm**

that TOTP codes generated by Secret Server or external systems are accepted by the target systems.






**Verify**

that autofill functionality via WPF works as expected if implemented.

Step 7:

Follow Best Practices for TOTP Management

Maintaining security over TOTP implementations involves ongoing diligence.

				
<b>Protect TOTP Keys and Backup Codes:</b>	<b>Align Hashing Algorithms:</b>	<b>Conduct Regular Audits</b>	<b>Enable MFA on High-Security Secrets:</b>	<b>Plan Backup Code Recovery:</b>
Store all sensitive keys and backup codes securely, using encryption and strict access controls.	Ensure the hashing algorithm set in Secret Server matches that of your external authentication system for seamless code validation.	Review TOTP usage logs periodically to detect unauthorized or suspicious activity.	Prioritize enabling TOTP and other MFA methods on credentials with elevated privileges.	Establish clear protocols for distributing, revoking, and regenerating backup codes to minimize disruption.

Conclusion

Implementing TOTP within your Secret Server environment significantly strengthens your security posture by adding a dynamic authentication layer for sensitive credentials. Following the outlined steps—from template configuration to rigorous testing and adherence to best practices—ensures a reliable, secure, and user-friendly MFA experience. Proper management of TOTP keys, backup codes, and regular auditing will help maintain the integrity of your authentication process and safeguard your critical assets.

How to Enroll in Multifactor Authentication (MFA)

Using Authentication Apps for PACER

Multifactor Authentication (MFA) adds an essential layer of security beyond passwords by requiring a secondary verification step to access accounts. For PACER (Public Access to Court Electronic Records) users, MFA is now available and mandatory for certain user types to protect sensitive legal information and prevent cyberattacks such as password theft.

This article provides a clear, step-by-step guide to enrolling in MFA using authentication apps with your PACER account, as well as managing your MFA settings including adding and deleting authentication apps.



Fig 1: Manage My Account login page




## Why Use MFA with PACER?


Passwords alone can be vulnerable to hacking or phishing attempts. By requiring a one-time passcode generated on an authentication app, MFA ensures that even if your password is compromised, unauthorized access is still prevented. This added security is critical for PACER users who handle confidential court documents or perform filings.

Step 1:


Access Your PACER Account Settings



**Navigate**  
to <https://pacer.uscourts.gov/>.



**Click Log in to...**  
in the top-right corner, then select Manage PACER Account.



**Enter your PACER**  
username and password, then click Login.



Fig 2: Manage My Account landing page

Step 2:

Begin MFA Enrollment

01.

On your account landing page, find the Multifactor Auth section.



02.

Click the Enroll link or go to Manage MFA Settings under the Settings tab.



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Step 3:

Add an Authentication App



**Click Add App**  
to begin linking an authentication app to your PACER account.



**To verify**  
your authorization, PACER will send a security code to your registered email.



**Retrieve**  
the code from your inbox (or junk folder if you don't see it) and enter it on the website, then submit.

An official website of the United States government. Here's how you know

Log in to PACER Systems

**PACER**  
Public Access To Court Electronic Records

**Manage My Account**

Mfa Tester

Account Number	0000000
Username	mfatester01
Amount Due	\$0.00
Account Balance	\$0.00
Case Search Status	Active
Account Type	Upgraded PACER Account
Multifactor Auth	Not Enrolled <a href="#">Enroll</a>

**Multifactor Authentication Methods**

⚠ Multifactor authentication (MFA) provides an extra layer of security to your account by requiring additional verification to log in. Once you enroll in the service, you must enter a one-time passcode using one of the methods below.

**Authentication apps**  
Set up an authentication app to sign in using a one-time passcode. You may add up to 5 apps.  
What is an authentication app?  
No authentication application has been configured for this account.  
[Add App](#)

**Backup codes**  
There are no valid backup codes for this account.  
[Get New Codes](#)

[Cancel](#)

Fig 3: Multifactor Authentication Methods page – Authentication apps section

## Step 4: Configure Your Authentication App

- 01.** Assign a nickname for your app in PACER (e.g., "My Phone").



- 02.** Open your authentication app on your device.



- 03.** Use the app's "+" or "Add Account" feature to scan the QR code shown by PACER or enter the provided code manually.



- 04.** After adding the PACER account, return to the PACER site and click Next.



## Step 5: Verify the Authentication Setup



**Your authentication**  
app will display a one-time passcode.



**Enter this passcode**  
in the PACER website's Enter Code field  
and click Next.



**Important:**  
Click the Next button instead of pressing  
Enter to proceed correctly.

You will then receive confirmation that your authentication app has been successfully enrolled.

## Managing Multiple Authentication Apps

You can link up to five authentication apps to your PACER account. This flexibility allows you to add devices for other authorized users, such as a paralegal or assistant, ensuring multiple people can access the account securely.

## Deleting an Authentication App

If you need to remove an authentication app:

- 01.** Go to the Authentication Apps section in your MFA settings.



- 02.** Click the Delete link next to the app you want to remove.



- 03.** Enter either a backup code or a current passcode from the app being deleted, then submit.



- 04.** Once deleted, the app's passcodes will no longer work for your PACER account.

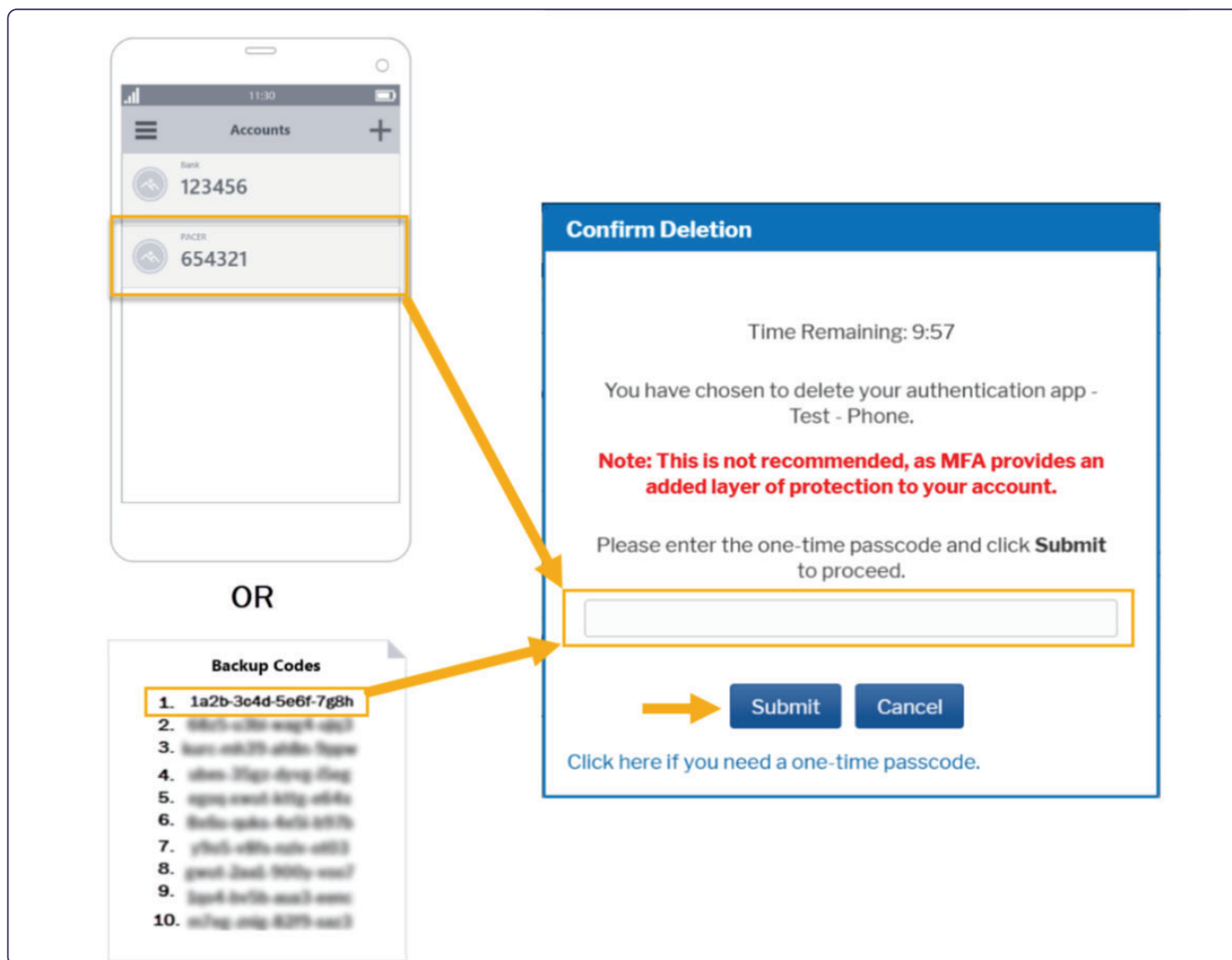


**Note:**

If you are required to use MFA, you cannot delete all authentication apps without having backup codes available.

## Backup Codes: Your MFA Safety Net

Backup codes allow access if your authentication app is unavailable (e.g., lost device). PACER provides an option to generate and store these codes. Treat backup codes as single-use credentials and store them securely.



**Fig 4:** Confirm Deletion dialog box and illustrations of a generic authentication app display and list of backup codes

## Conclusion

Enrolling in MFA with an authentication app is a straightforward but crucial step for securing your PACER account. It helps protect sensitive court information with an additional verification factor that is dynamically generated and time-limited. By following the steps above, you can quickly set up, manage, and delete authentication apps as needed. Remember to keep backup codes safe to avoid being locked out of your account.