



Florida Department of TRANSPORTATION



MAC API User API Token Instructions

April 15, 2025



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Introduction

On April 11, 2025, MAC migrated from an on premises server to a cloud server. With this migration, users with an FDOT user id account who upload data through the Application Programming Interface (API) using 3rd party software now have a different way to authenticate. Instead of using the network password that coincides with the user id account, you must get an API key or token from the MAC application.

NOTE: The API passkey is used to authenticate inside the 3rd party software. If you need to log into MAC for any reason, such as to make updates to an existing sample's data, use your network password, not the API passkey.

NOTE: This does not apply to users with an Internet Subscriber Account (ISA). ISA users will continue to use the password associated with their ISA.

A new screen was added to MAC for API users with FDOT user ids to generate an API Key. On this screen, MAC API Access Manager, the following information is posted:

MAC API for AD users

The MAC API is a programming interface that provides external access to key Sampling and Testing Lifecycle functions in MAC. The MAC API was moved to the Cloud as part of the MAC Cloud Modernization Project, which required a security change for Active Directory/FDOT Network (AD) users. Now, instead of passing their AD Password into the GetUserToken service call, AD users must pass in their system-generated API AD Passkey value, a GUID, for the "password" input parameter.

MAC API AD Passkey Generator

The tool below provides a way to generate a new Passkey and update its expiration date. By default, **the Passkey expires 3 months after it is generated.**

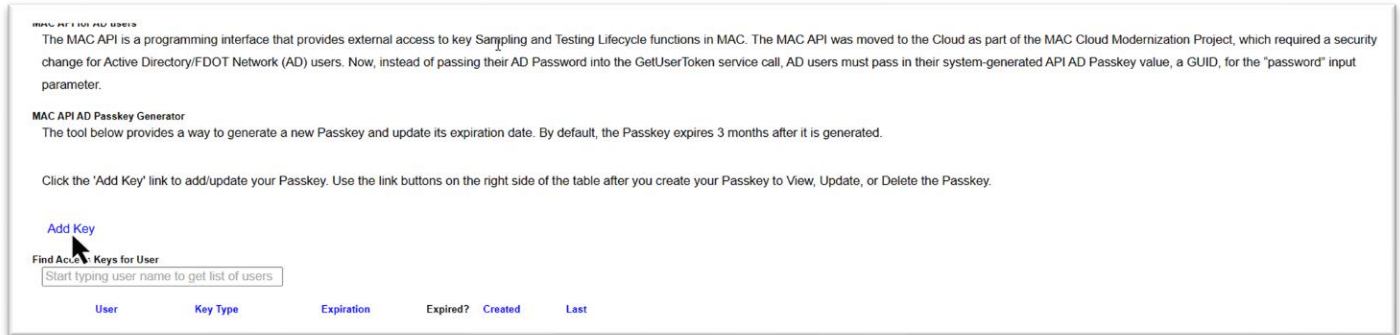
Chapter 1 –API Keys

A. Creating an API Key (passkey)



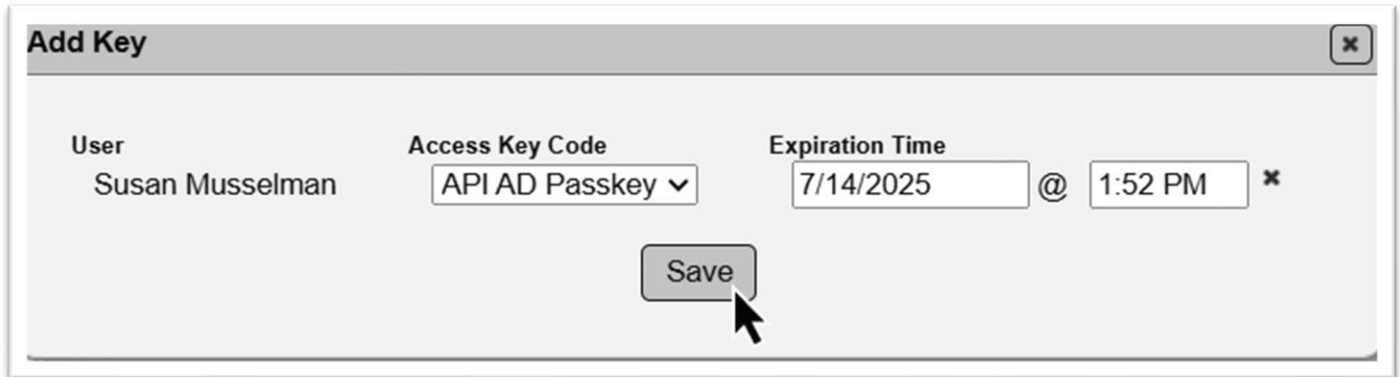
1. From the MAC home screen, select the API Access option.

The MAC API Access Manager screen appears.



2. Select the Add Key option.

An Add Key dialog box appears with the user's name defaulted in the User field.






3. Select the Save option.


You will be listed on the screen.

Click the 'Add Key' link to add/update your Passkey. Use the link buttons on the right side of the table after you create your Passkey to View, Update, or Delete the Passkey.

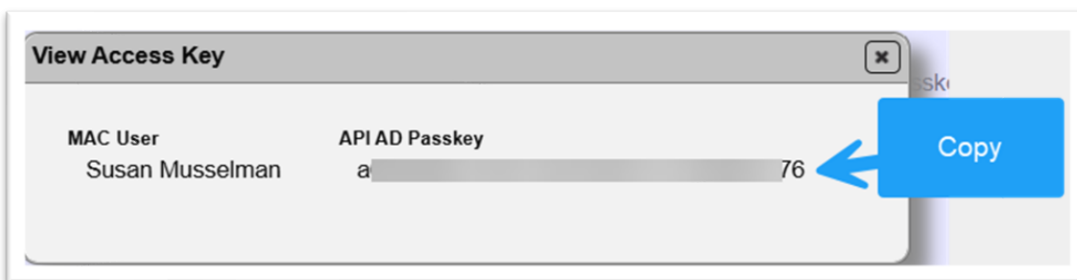
[Add Key](#)

	User	Key Type	Expiration	Expired?	Created	Last Updated			
1	Susan Musselman	API AD Passkey	7/14/2025 1:24:00 PM	false	4/15/2025	4/15/2025			

Showing 1 to 1 of 1 [Export Results](#)

4. Select the  icon to view the passkey.

A View Access Key dialog box appears.



The dialog box titled "View Access Key" displays the following information:

MAC User	API AD Passkey
Susan Musselman	a[redacted]76

A blue "Copy" button is overlaid on the right side of the passkey field, with a blue arrow pointing to the end of the passkey.

5. Highlight the API AD Passkey and select a copy function (for example Ctrl C).




6. Paste into the password field of your 3rd party application. Do not use this when logging into the MAC application.

B. Extending the Expiration Date

The passkey expires 3 months after it is generated. You can get a new key and extend that date by updating the passkey.

Click the 'Add Key' link to add/update your Passkey. Use the link buttons on the right side of the table after you create your Passkey to View, Update, or Delete the Passkey.

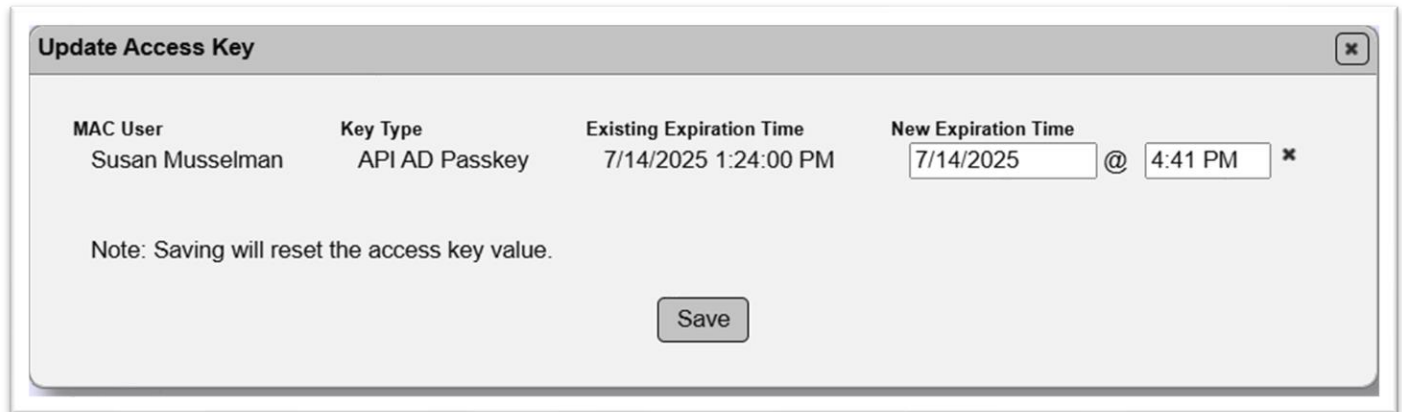
[Add Key](#)

	User	Key Type	Expiration	Expired?	Created	Last Updated			
1	Susan Musselman	API AD Passkey	7/14/2025 1:24:00 PM	false	4/15/2025	4/15/2025			

Showing 1 to 1 of 1 [Export Results](#)

1. Select the Update (pencil) icon.

An Update Access Key dialog box appears.



Update Access Key

MAC User	Key Type	Existing Expiration Time	New Expiration Time
Susan Musselman	API AD Passkey	7/14/2025 1:24:00 PM	7/14/2025 @ 4:41 PM

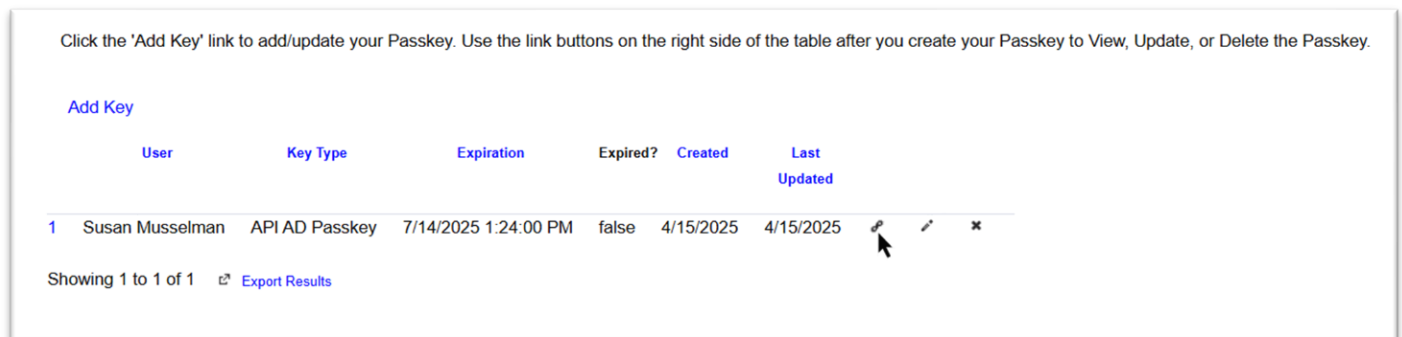
Note: Saving will reset the access key value.

Save

2. **New Expiration Time** – enter a new date in the future, but not more than 90 days from today’s date.

3. **@** – if desired, enter a new time for the next expiration, but not more than 90 days from today’s date and current time.

This will revise the passkey you originally generated.




Click the 'Add Key' link to add/update your Passkey. Use the link buttons on the right side of the table after you create your Passkey to View, Update, or Delete the Passkey.

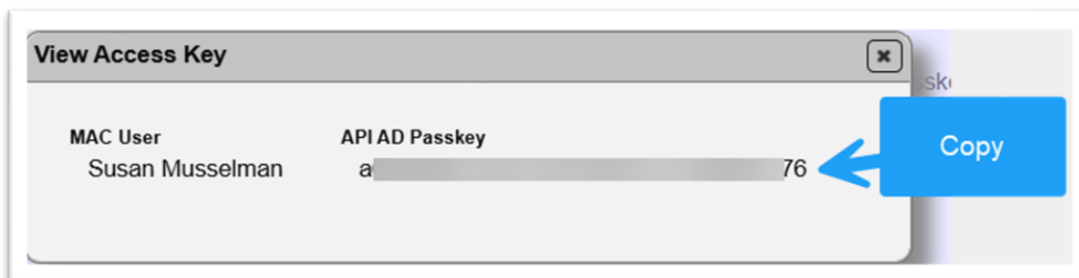
[Add Key](#)

	User	Key Type	Expiration	Expired?	Created	Last Updated			
1	Susan Musselman	API AD Passkey	7/14/2025 1:24:00 PM	false	4/15/2025	4/15/2025			

Showing 1 to 1 of 1 [Export Results](#)

4. Select the  icon.

A View Access Key dialog box appears.



View Access Key

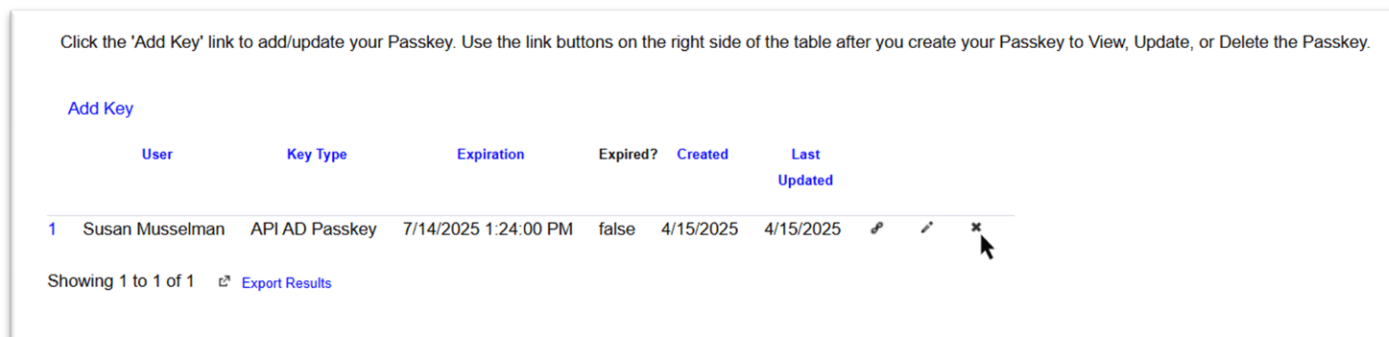
MAC User	API AD Passkey
Susan Musselman	a[redacted]76

Copy

5. Highlight the API AD Passkey and select a copy function (for example Ctrl C).

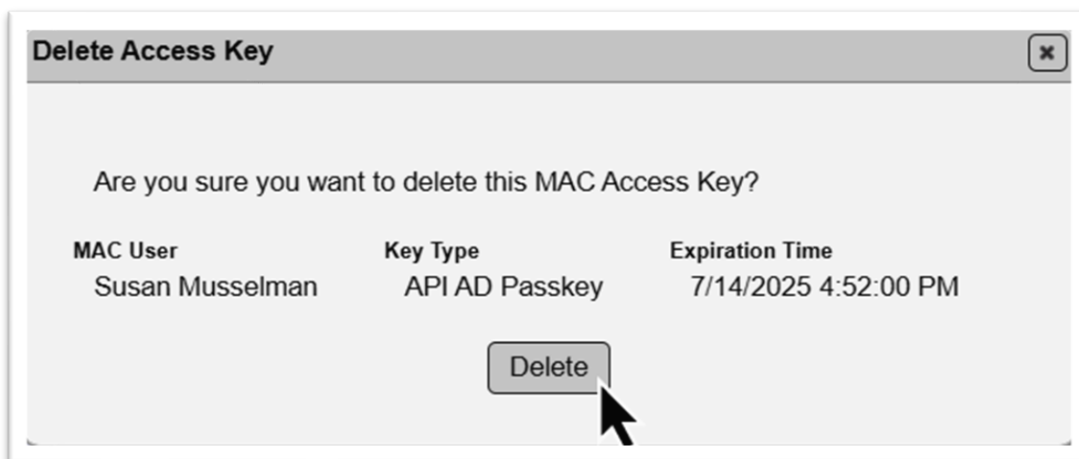
6. Paste into the password field of your 3rd party application. Do not use this when logging into the MAC application.

C. Deleting the Passkey



1. Select the (x) delete icon.

A Delete Access Key dialog box appears.



2. Select the Delete option.

The passkey will be deleted.