

For Relying Party Admin











#### Overview



### Set up your AuthFi







You can start a passwordless or MFA web service for your users!









- Inconvenient
- Insecurity
- Take effort to deal with



# Set up your AuthFi to start the passwordless

You can start with an ATKey or download APP as authenticator later.

Or using Passkeys (iOS15+, Android 11+)

# Phrases to start your passwordless journey

Start the journey of AuthFi with **desktop or laptop** will have better experience. Sign up for the **free trial** at AT.AuthFi : <u>https://authfi.authentrend.com/</u> You can contact us for customize plan after free trial.



Detail steps in the following pages ->

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4 - Implement API

Verify email

please check your spam or

advertisement mail.

If you can't find the verfication email,

If you still can't get the verfication

We will help you to start the trial.

code, please contact us with email:

customer.support@authentrend.com

5 - Start Passwordless service!



1	Sign	up
---	------	----

<b>AUTHFi</b> Welcome
Sign Up for Free!
Please have your ATKey ready. EMAIL
Email address
COMPANY Company name
COUNTRY
Select
COMPANY WEBSITE (OPTION)
Website URL
Continue
Already have an account? Log in



#### Sign Up

#### Please verify your email address.

Almost there! An email containing verification code was sent to cindy.authentrend+stage6@gmail.com

#### VERIFICATION CODE

Enter your verification code here

Didn't received the email? Resend email

Continu

# **Register authenticator - ATKey.Pro**



Choose "**USB security key**" and register authenticator by ATKey.Pro.



#### Use your passkey

Choose which device has the passkey for authfi.authentrend.com

Ģ	External security key or built-in sensor	,
	A different device	,
		Cancel

\* If you don't have an ATKey, you can Buy an ATKey on <u>Amazon</u>. Or read the next page.

Verification Options

Windows Security

#### Security key setup

Set up your security key to sign in to authfi.authentrend.com as carrine.shih@authentrend.com.

×

This request comes from Msedge, published by Microsoft Corporation.





device"

# **Register authenticator - Passkeys**

#### If your mobile phone is iOS16+ or Android 13+



QR code Scan by phone camera

\* But actually, Android announced Android 8+ can support Passkeys, but it's not OS level, it's Google Play needed up-to-date version; so you can try 2 things if your Android 8+ phone scan Passkevs QR nor working (1) using Google Lens to scan the QR code instead of other camera app; (2) upgrade your OS to newest build, and it's better build on 2023.

Mail to customer.support@authentrend.com



5 - Start Passwordless service!

## **Register authenticator - APP**

ЗВ

If you don't have an ATKey, click "**cancel**" then **download the APP** and follow the steps to register the authenticator.



iOS







Click "cancel" in this message

Download the APP

For Android and iOS

1 - Sign up by Email

3 - Apply a new RP

4 - Implement API

5 - Start Passwordless service!

### **Register authenticator - APP**

- 3B 1. Click "Next" on the AuthFi.
  - 2. Open the Authenticator APP, and click the QR code icon in the APP to scan the QR code on the AuthFi.
  - 3. Register your mobile device as an authenticator.



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Name for your

authenticator

3 - Apply a new RP

4 - Implement API

5 - Start Passwordless service!





Name for USB security key

Name for your mobile device(APP)



Apply a new relying party

\* Relying Party : A Relying Party (RP) is a server that processes requests for access into online resources. Web applications are one kind of RP.



This is your main origins, you can't edit it after created.

Please make sure your allow origins is correct.

\* The web URL you want to link to FIDO SECPAAS

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Read the API

document and get

your "API Key" &

"API endpoint".

3 - Apply a new RP

5 - Start Passwordless service!

# Implement API



Welcome

RP is ready!

Here's your API Key: SgDtc0BBtGl72E1nKYMC8eU6tf...

You can also find API endpoint and API key in configuration page.

Please embed codes to your web application directly via AuthenTrend FIDO API.

View API Document



You can get "API Key" & "API endpoint" at "Configurations"

5 - Start Passwordless service!

# Implement API



### Outline

- Using AT.AuthFi Service on a Relying Party
  - Registering Security Keys for Users
  - Verifying Security Keys for User Login
- Using Passkeys/Security Keys on Apps
  - Enabling Passkeys for iOS Apps
  - Enabling Passkeys for Android Apps
  - Using Passkeys/Security Keys via flutter
  - Using Passkeys/Security Keys via Browsers



### Using AT.AuthFi Service on a Relying Party

- Examples
  - <u>https://github.com/AuthenTrend/relying-party-example</u>
  - <u>https://authfirpdemo.authentrend.com</u>

	🔘 default.json 🛛 🔹 🔹	
	{	
	"certPath": "/etc/let	<pre>sencrypt/live/authfirpdemo.authentrend.com/fullchain.pem",</pre>
	"keyPath": "/etc/letse	encrypt/live/authfirpdemo.authentrend.com/privkey.pem",
	"accessPoint": " <u>https</u>	<pre>//authfistage.authentrend.com/??????????????????",</pre>
	"apiKey": "??????-???	????????~_?????~_?????????????????
	}	
7		



# Registering Security Keys for Users

- AT.AuthFi APIs
  - Get Options
    - POST /{API\_ACCESSPOINT}/api/v1/webauthn/registration
  - Respond Results
    - PUT /{API\_ACCESSPOINT}/api/v1/webauthn/registration
      - RP needs to store uid after registration success.
- Frontend APIs
  - GET /signup, GET /registerkey (Provided by RP)
  - navigator.credentials.create() (Provided by Browser)
  - POST /signup, POST /registerkey (Provided by RP)
- References
  - <u>https://www.w3.org/TR/webauthn-2/#dictdef-publickeycredentialcreationoptions</u>
  - <u>https://www.w3.org/TR/webauthn-2/#authenticatorattestationresponse</u>
  - <a href="https://w3c.github.io/webappsec-credential-management/#dom-credentialscontainer-create">https://w3c.github.io/webappsec-credential-management/#dom-credentialscontainer-create</a>



### Verifying Security Keys for User Login

- AT.AuthFi APIs
  - Login for Any User
    - Get Options: POST /{API\_ACCESSPOINT}/api/v1/webauthn/login
    - Respond Results: PUT /{API\_ACCESSPOINT}/api/v1/webauthn/login
  - Login for a Specific User
    - Get Options: POST /{API\_ACCESSPOINT}/api/v1/webauthn/verification
    - Respond Results: PUT /{API\_ACCESSPOINT}/api/v1/webauthn/verification
- Frontend APIs
  - GET /signin (Provided by RP)
  - navigator.credentials.get() (Provided by Browser)
  - POST /signin (Provided by RP)
- References
  - <a href="https://www.w3.org/TR/webauthn-2/#dictdef-publickeycredentialrequestoptions">https://www.w3.org/TR/webauthn-2/#dictdef-publickeycredentialrequestoptions</a>
  - <u>https://www.w3.org/TR/webauthn-2/#authenticatorassertionresponse</u>
  - <u>https://w3c.github.io/webappsec-credential-management/#dom-credentialscontainer-get</u>



5 - Start Passwordless service!

Implementation in Detail

### Using Passkeys/Security Keys on Apps

- Examples
  - <u>https://github.com/AuthenTrend/rp-app-example</u>



- Library
  - <u>https://pub.dev/packages/flutter\_passkey</u>



### Enabling Passkeys for iOS Apps

- Set Associated Domains in Xcode
- Put apple-app-site-association onto RP under the path /.well-known/
- Modify App Id in apple-app-site-association

	Runner ط			<	Runner 〉 🕖	<sup>≫</sup> Any iOS	Device (arm64)					Archive Succeede
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	🔼 Runner											
					(	General	Signing & Capab	pilities R	Resource Tags	Info Build	d Settings	Build Phases
	PROJECT		- Capability	All Debug	Release	Profile						
	🔀 Runner		∽ Signing									
← → C 🔒 authfirpdemo.authentrend.com/.well-known/apple-app-site-association									🗸 Autom	natically manage	e signing	
	TARGETS									cates.	update profile	s, app iDs, and
,	< Runner								Team Authen1	Trend Technolog	gy Inc.	0
{ "webcredentials"• /								Bundle Ider	ntifier com.aut	thentrend.exam	ple.rpapp	
"apps": [ "3084Z372H4.com.authentrend.example.rpapp" ]			v ios									
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5 - Start Passwordless service!

Implementation in Detail

### Enabling Passkeys for Android Apps

- Modify the conetent of asset\_statements in strings.xml
- Put assetlinks.json onto RP under the path /.well-known/
- Modify the value of site in assetlinks.json

₩ strings.xml ×	← → C 🔒 authfirpdemo.authentrend.com/.well-known/assetlinks.json
<pre>1</pre>	<pre>[{     "relation": [     "delegate_permission/common.handle_all_urls",     "delegate_permission/common.get_login_creds"     ],     "target": {         "namespace": "web",         "site": "https://authfirpdemo.authentrend.com"     } }, {     "relation": [         "delegate_permission/common.handle_all_urls",         "delegate_permission/common.get_login_creds"     ],     {         "relation": [         "delegate_permission/common.handle_all_urls",         "delegate_permission/common.get_login_creds"     ],     "target": {         "namespace": "android_app",         "namespace": "android_app",         "package_name": "com.authentrend.example.rpapp",         "sha256_cert_fingerprints": [         "E5:BC:96:7A:A9:CF:65:0D:90:93:39:62:48:A2:76:7C:DD:B1:D0:E7:17:7C:44:F5:21:28:26:83:E5:8C:59:F6"     ] }] </pre>



## Using Passkeys/Security Keys via flutter

- Registration Process
  - GET /signup, GET /registerkey (Provided by RP)
  - FlutterPasskey.createCredential() (Provided by flutter\_passkey)
  - POST /signup, POST /registerkey (Provided by RP)
- Authentication Process
  - GET /signin (Provided by RP)
  - FlutterPasskey.getCredential() (Provided by flutter\_passkey)
  - POST /signin (Provided by RP)

\* flutter\_passkey doesn't support security keys on Android. (Android doesn't have native support for security keys.)



5 - Start Passwordless service!

Implementation in Detail

### Using Passkeys/Security Keys via Browsers

- Set deep link scheme for App
- RP needs to provide a web page for App registration/authentication and returning the results via the deep link
- <u>https://pub.dev/packages/flutter\_web\_browser</u>









# Start to be passwordless!



In this dashboard, you can track your users' authentication. When you end of your free trial, you can contact us for your unique business plan.



Traditional login with ID/Password



Contact us for formal active!

Our plan is flexible. The price depends on the number of users and services.



# Manage your users' activities

Log in AuthFi and you can know how users' authentication in the dashboard.

Dashboard	Configuration			
Da	ashboard	You can implement API with	n Document here	
<b>AUTH</b> =i	Management Console	API Document @ TestRP ~ 💿 cindy.chen+stage10@authe	entrend.com ~	
뎆 Dashboard				
② Configuration	TestRP cindy88.com			
으 Registered Users	Timezone: Asia/Taipei +0800 Created: 2022/11/29 11:03 +0800	Date range This year 🔍 Contrm		
😩 Plan & Billing	State: Trial 2022/11/29 - 2022/12/14 Change state			
	Active Users O			
	9 3	•	Users who enable to u in your web-based ser	se passwordless or MFA vices.
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	Active Keys O			
		•	An user can register m You can see the active	ore than one key. keys statistics.
	0-000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	Authentication			
	9 8 7 6 5 4 7 2	•	Numbers of authentic	ation.
	1 0 3022-01 2022-02 2022-03 2022-04 2622-05 2022-06	0022-07 0022-08 0022-09 0022-16 0022-11 0022-12		

	Cont	figuration				
Со	nfigur	ration				
AUTH=i	Configurations			API Document @ TestRP	<ul> <li>✓ indy.chen+stage10@authentrend.com ✓</li> </ul>	
🚎 Dashboard						
@ Configuration 으 Registered Users 다 Plan & Billing	ID RP Name	6385768acf375277bc8cb067 TestRP	Ē	Reissue API Key Delete relying party	Reissue Delete	
	Description	test	•	You can ec	lit your RP information here.	
	Allowed origins API endpoint	https://cindy88.com https://authfi.authentrend.com/Y2luZHk	40C5jb20	—— You can ge	et the information that you will	need
	API Key	**	ē	when you s	start to implement the API.	

Reveal API Key





# **Plan & Billing**

	Plan & Billing	API Doc	ument P TestRP - 🔘 cindy.chen+stage10@authentrend.com -
Dashboard			
Configuration			
Registered Users			
Plan & Billing	FREE	¢	
	FREE / per user per month	p / per user per month	
	Trial 15 Days Trial. Need a higher volume? Please contact us to activate!	Active Give your customers a delightful way to authenticate with passwordless.	You can check information of your free trial plan here.
	✓ Up to 10 users	<ul> <li>Pricing for unlimited users</li> </ul>	
	✓ Free management console	✓ Free management console	
	<ul> <li>Log management</li> </ul>	Log management	
	Your trial will expire in 13 days	Contact Us!	<ul> <li>This is a quick button for contact us to upgrade your plan.</li> <li>We will contact you in few days.</li> </ul>
	Purpose-fit guidance and support for your en	terprise needs. Questions? Contact us	<ul> <li>If you have any questions about AuthFi or customized plan, please contact us.</li> </ul>

Configuration

Registered Us

Plan & Billi

# **Account Setting**

	API Document $\mathscr{O} \ \lor \ \bigcirc$ cindy.chen+stage10@authentrend.com Account setting from here.
똊 Dashboard	Authorization Management Audit Logs API Logs
	Email Created at     Start month     Created at     Account Setting     Logout
	Email Jr Updated at Jr Created at Operations
	cindy.chen+stage10@authentrend.com 2022/11/29 10:58:48 2022/11/29 10:58:48 5 Manage the authenticator of the admins here.
	+ cindy.chen+stage10@authentrend.com 2022/11/29 10:58:48 2022/11/29 10:58:48 §
	Key 1669690814204 Registered at 2022/11/29 11:00:14 Last login at 2022/12/06 14:51:38
	Add a new authenticator Close



#### AuthFi's plan can be customized to your web service.

Depending on the number of your users or your different relying parties, we can provide a plan that is best for your necessary.

#### Contact

- customer.support@authentrend.com
- https://authentrend.com/at-authfi/

#### Social Media



