

Manage API Key Menu




Definition





Manage API Key userview menu handles API call authentication for APIs created with the [API Builder](#).

This userview menu is already bundled in the API Builder plugin.

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Configure API Access

Name	Description								
API Key	An automatically generated unique identifier used to authenticate to an API document.								
Authentication Method	<p>Methods available:</p> <ul style="list-style-type: none"> • API Key • API Key & Token • Basic access authentication <p>Required keys in the request header:</p> <table border="1"> <thead> <tr> <th>Method</th> <th>Required Key(s)</th> </tr> </thead> <tbody> <tr> <td>API Key</td> <td> <ul style="list-style-type: none"> • api_id (API Document ID obtained from API Properties) • api_key (The automatically generated API Key) </td> </tr> <tr> <td>API Key & Token</td> <td> <ul style="list-style-type: none"> • api_id • api_key • token (Value derived from configured token pattern) </td> </tr> <tr> <td>Basic access authentication</td> <td> <ul style="list-style-type: none"> • api_id • api_key • Authorization (Base64 encoded value of username:password) <div style="border: 1px solid #ccc; border-radius: 10px; padding: 10px; margin-top: 10px;"> <p> Example</p> <p>For username "admin" & password of "admin":</p> <p>admin:admin Basic YWRtaW46YWRtaW4=</p> </div> </td> </tr> </tbody> </table>	Method	Required Key(s)	API Key	<ul style="list-style-type: none"> • api_id (API Document ID obtained from API Properties) • api_key (The automatically generated API Key) 	API Key & Token	<ul style="list-style-type: none"> • api_id • api_key • token (Value derived from configured token pattern) 	Basic access authentication	<ul style="list-style-type: none"> • api_id • api_key • Authorization (Base64 encoded value of username:password) <div style="border: 1px solid #ccc; border-radius: 10px; padding: 10px; margin-top: 10px;"> <p> Example</p> <p>For username "admin" & password of "admin":</p> <p>admin:admin Basic YWRtaW46YWRtaW4=</p> </div>
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API Secret <i>(API Key & Token method)</i>	A secret string commonly used in the token pattern.								

<p>Token Pattern</p> <p><i>(API Key & Token method)</i></p>	<p>Token Pattern consists of hash algorithm and variables.</p> <p>Format:</p> <ul style="list-style-type: none"> • HASH(PATTERN) <p>Supported hash algorithm:</p> <ul style="list-style-type: none"> • MD5 • SHA-1 • SHA-256 • SHA-512 <p>Supported variables:</p> <ul style="list-style-type: none"> • {api_key} • {api_secret} • {date_pattern} (current date time) <p>Examples:</p> <ul style="list-style-type: none"> • SHA-256({api_key}:{api_secret}::yyyy-MM-dd HH:mm) • MD5({api_secret}) <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;">  Token pattern must contain at least one and only one hash algorithm. </div>
<p>Permission Plugin</p> <p><i>(Basic access authentication method)</i></p>	<p>Select a permission plugin and configure its properties.</p> <p>Find list of available permission plugins here.</p>
<p>Custom Authenticator Plugin</p>	<p>Select a custom authenticator plugin and configure its properties.</p> <p>This option is shown only if a plugin of that type exist in the system.</p> <p>Learn more about API Authenticator plugin here.</p>
<p>Custom Authentication Method</p>	<p>Methods available:</p> <ul style="list-style-type: none"> • Add as additional authentication method • Replace the default authentication method <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;">  API Key is always required regardless of method selected here. </div>
<p>Domain Whitelist</p>	<p>Domain whitelist to allow API calls.</p> <div style="border: 1px solid #6c757d; padding: 10px; margin-top: 10px;">  Example "localhost;www.joget.org;dev.joget.org", or "*" to allow from everywhere. </div>
<p>IP Address Whitelist</p>	<p>IP address whitelist to allow API calls.</p> <div style="border: 1px solid #6c757d; padding: 10px; margin-top: 10px;">  Example "127.0.0.1;192.168.0.1", or "*" to allow from everywhere. </div>
<p>Remark</p>	<p>Any remark or description for the created API access.</p>

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<input type="checkbox"/>	API NAME	API KEY	AUTHENTICATION METHOD	REMARK	CREATED BY	DATE CREATED	Edit	Log
<input type="checkbox"/>	Dev Purposes	26106e0208cb416cb65c5f1352dfcaf3	API Key	FOR TESTING PURPOSE ONLY.	admin	29-05-2020 10:20 AM		

One item found.
[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)

Figure 1: Manage API Key in a userview

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DATE	API ID	API KEY	STATUS	METHOD	USER AGENT	SOURCE IP	MESSAGE	EXECUTE TIME (MS)
10-10-2019 04:00 PM	API-d9c91a4d-6c14-4e3d-a1fa-2544bb764189	8a9b03179b62487cb55148b83994bfd8	200	list/ExpensesListAll	PostmanRuntime/7.17.1	0.0:0.0:0.0:1		15
10-10-2019 04:00 PM	API-d9c91a4d-6c14-4e3d-a1fa-2544bb764189	8a9b03179b62487cb55148b83994bfd8	200	list/ExpensesListAll	PostmanRuntime/7.17.1	0.0:0.0:0.0:1		140

2 items found, displaying all items.
[CSV](#) | [Excel](#) | [XML](#) | [PDF](#)


Figure 2: Manage API Key - Log view

API Name	<input type="text"/>
API Key	61a5b3d4ec19404984f0b068049da49a
Authentication Method	API Key ▼
Custom Authenticator Plugin	▼
Domain Whitelist	<input type="text"/>
	<i>One domain in one line. Wildcard (*) is allowed.</i>
IP Address Whitelist	<input type="text"/>
	<i>One IP Address in one line. Wildcard (*) is allowed.</i>
Remark	<input type="text"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Figure 3: Manage API Key - New/Edit access

Configure Userview Menu

Manage API Key properties

Name	Description
ID	Menu element unique ID. Joget will use this ID in the URL if the Custom ID is empty.
Custom ID	Item link slug. Optional field. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> Unique field</p> <p>Ensure that value defined here is unique to other userview menus in the app, since the first matching/conflicting ID will take precedence in page loading.</p> </div>
Label	Menu label. Mandatory field.
API Document Name	Select an API Document that you have created with the API Builder, for configuration of access in runtime.

Edit API Key Menu

Edit API Key Menu > UI > Performance & Offline

ID 1FA07075296340758F80A89BF0178C0B

Custom ID

Label *

API Document Name *

Figure 4: Manage API Key properties

UI

List

Name	Description
Button Position	<ul style="list-style-type: none">• Top Left• Top Right• Bottom Left• Bottom Right• Top Left & Bottom Left• Top Right & Bottom Right
Selection Type	<ul style="list-style-type: none">• Multiple• Single
Selector Position	<ul style="list-style-type: none">• Left• Right• Both left & right• No
New Record Button Label	New record button label to show in listing.
Edit Link Label	Edit button label to show in listing.
Delete Button Label	Delete button label to show in listing.
Custom Header	Custom HTML to show above the listing.
Custom Footer	Custom HTML to show below the listing.

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UI

Edit API Key Menu > UI > Performance & Offline

UI (List)

Button Position Bottom Left ▼

Selection Type Multiple ▼

Selector Position Left ▼

New Record Button Label

Edit Link Label

Delete Button Label

Custom Header

1	

Custom Footer

1	

Figure 5: UI (List)

Add

Name	Description
Cancel Button Label	Cancel button label to show in add new record form.
Save Button Label	Save button label to show in add new record form.
Message to show after Form saved	Message to show in a browser popup, after new record is saved.
Custom Header	Custom HTML to show in header of add new record form.
Custom Footer	Custom HTML to show in footer of add new record form.

UI

Edit API Key Menu > UI > Performance & Offline

UI (Add)

Cancel Button Label

Save Button Label

Message to show after Form saved


Custom Header

Custom Footer

Figure 6: UI (Add)

Edit

Name	Description
Readonly	If checked, the form will be rendered as read-only and not editable anymore.
Display Fields as Labels when in Readonly?	When the form is in read-only mode, determines if values should be displayed as is (label form) instead of being shown in original input fields.
Back Button Label	Back button label. Default value: Back
Save Button Label	Save button label. Default value: Save
Message to show after Form saved	Message to show in a browser popup, after a record is successfully edited.
Custom Header	Custom HTML to show in header of edit record form.
Custom Footer	Custom HTML to show in footer of edit record form.



UI

Edit API Key Menu > UI > Performance & Offline

UI (Edit)

Readonly

Display Fields as Labels when in Readonly?

Back Button Label

Save Button Label

Message to show after Form saved

Custom Header

1	
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Custom Footer

1	
---	--

Figure 7: UI (Edit)

Performance & Offline

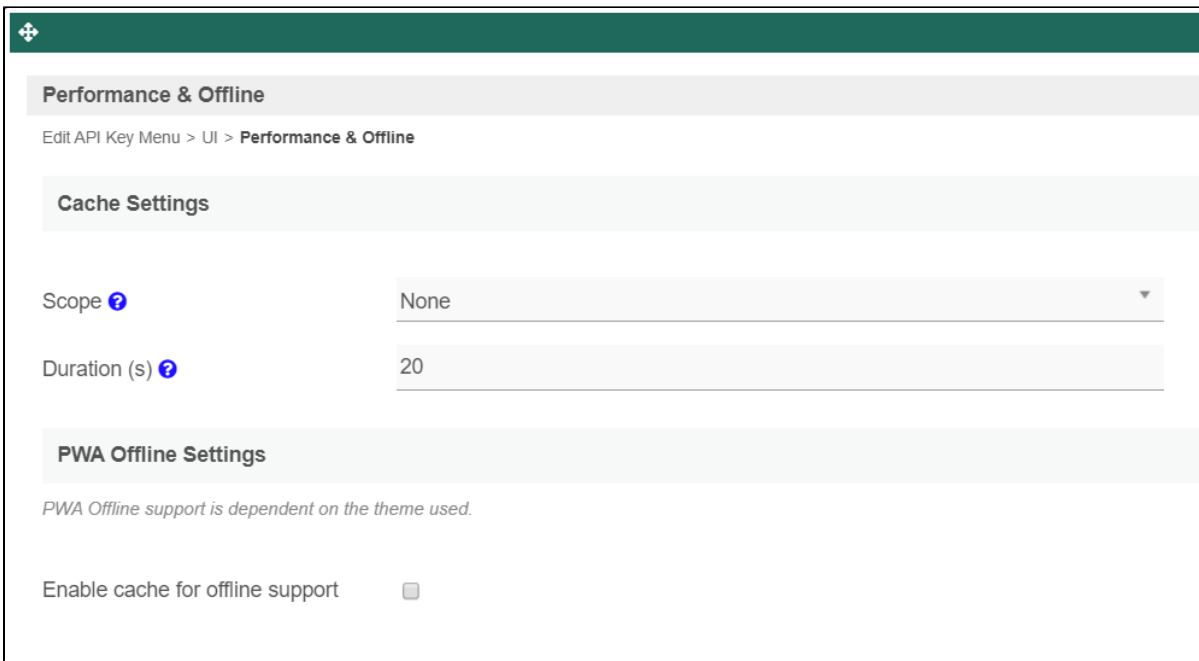


Figure 8: Performance & Offline

- Cache Settings

Performance

You can configure the **Performance** settings in this Userview Menu which allows one to cache existing content for improved performance and loading speed.

Read more at [Performance Improvement with Userview Caching](#).

- PWA Offline Settings

Name	Description
Enable cache for offline support	Once enabled, this userview element will be accessible in the event of an offline environment.