



## How to use the APIs available from Payroll Mauritius to retrieve data to use in another system

FAQEN152

Prerequisites : Administrator access, mastery of API's by IT developer. FAQEN153

V1.0

### Objective

**Payroll Mauritius** has a set of APIs that allow you to retrieve information stored in the system for use in another system.

These informations are :

- The active list of employees
- The list of leaves
- The list of requests

**Note:** The use of APIs is best suited for computer developers, software engineers or people with a solid technical background to use them. They can use the documentation available in the **FAQEN153 - Payroll Mauritius APIs**.

### How to do this ?

To do this, you need to **set up an API access key**, by going to the 'Employer' > **[Admin][v]** > **Api Settings** section

The following screen is then presented to you:

Tick the **Activated** box

You must then enter an API key.

**WARNING** - This key is fundamental because it guarantees the confidentiality of your information. By deciding to open an external API access, you open an access to your data. This opening is your responsibility. Just as it remains your responsibility to keep the API key confidential and to change it as much as possible.



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To do this, you must enter an **integer encoded on 256 bits**.

To help you, you can use a tool like for example: <https://randomkeygen.com/> and choose one of the codes in the list (go down the screen to Codeinteger...256 bits):

The screenshot shows the website randomkeygen.com with a button that says "Generate a New Set of Random Passwords and Keys". Below the button, it says "CodeIgniter Encryption Keys - Can be used for any other 256-bit key requirement." There are four text boxes containing generated keys: sOaj8Be3V2YTkWTVpMGFr5N0y9LlzGt, kSniHAgCJkXFLFzshJXRSPirYxoLj4NZ, A5hWL CVrvLIX4ycHnys1CgJtAk8g3oLQ, and fL40HxbizjRDSC3DDLVzvSjPkiFp15cq.

Then select one of the proposed codes by selecting it with your mouse (one click) and then in Payroll Mauritius, in the "Key" area [Ctrl]+[V] (paste).

Then select, by ticking them, the APIs you want to use.

For example, if you want to retrieve data from the Employee records, check "**Employee list active**".

You must then, in the right part of the "Configuration" screen, list the Employee fields you are interested in retrieving. For example :

*e.email,e.nic,e.gender,e.dob,e.date\_joined,e.departure\_date,e.address1,e.address2,e.city,e.postcode,d.name,e.job\_post*

Then click on the [**Save**] button to save your choices and have a usable key.

The screenshot shows the Payroll Mauritius interface for ACME Ltd - August 2022. The "Api settings" tab is active. Under "Api access", "Activated" is checked and "Key" is set to sOaj8Be3V2YTkWTVpMGFr5N0y9LlzGt. Under "Read only activated apis", "Employee list active" is checked. In the "Configurations" section, the "Employee list fields" are listed as: e.email,e.nic,e.gender,e.dob,e.date\_joined,e.departure\_date,e.address1,e.address2,e.city,e.postcode,d.name,e.job\_post. A "Save" button is visible in the top right corner.



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For the list of Employee fields, notice that all these fields begin with the radical "e." meaning that they are Employee data.

You can have the list of accessible fields by going to the manual calculation of the Payroll slips, and filtering the stored variables by taking only those beginning with "e." :

The screenshot shows the Payroll Mauritius interface for ACME Ltd in August 2022. The 'Payroll Calculator' tab is active, and the 'Variables' section is open. A search filter 'e.' is applied to the variable list. The following table shows the filtered variables:

Variable	Value
e.access_level	0
e.additional_month_pay	0
e.address1	Rue St Martin
e.address2	0
e.age	21
e.badge	1201
e.bank_account_number	0002515511
e.bank_code	03
e.bank_code2	050000
e.bank_iban_number	
e.bank_id	3
e.bank_name	ABSA (Barclays) Bank