Automatik

v 1.0

WHAT IS AUTOMATIK

Automatik is an application that could be used to create scheduled operations like:

• Periodically load a url.
• Load a web page and get some information from it.
• Get notified if a url is online or offline with a custom notification or a custom window.
• Check if a web device is currently connected to the network or not (such as a computer, a network camera …)
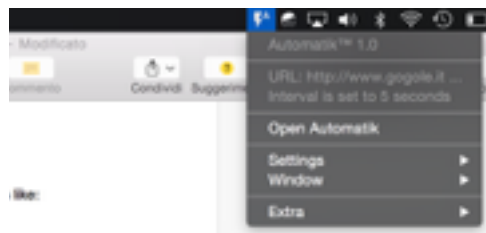
You can use Automatik to create a "loader" that actually ask for a url after a predefined interval and get information from the web page that is reached by the program.
For example, if you need to keep updated your IP because you are using a DNS service, you can set Automatik to load the url string that contact the DNS provider and keep update your IP without install a third part app or manually load the url.
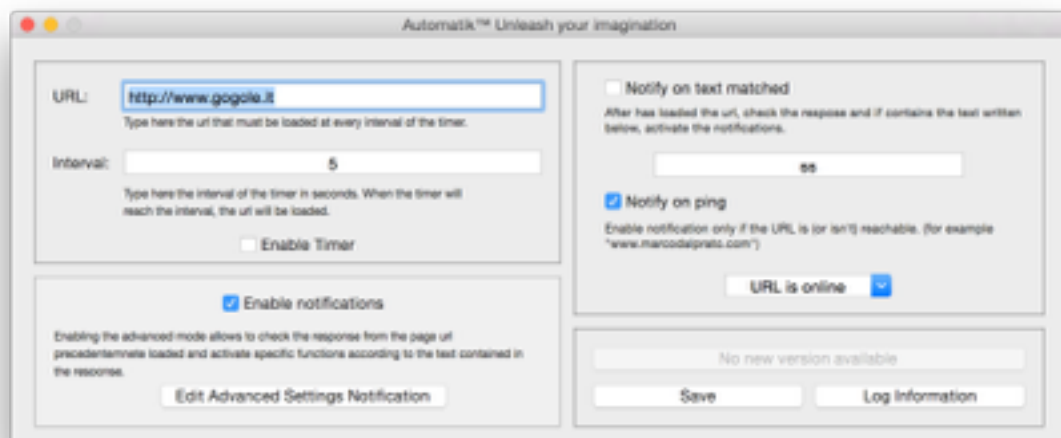
HOW TO LAUNCH AUTOMATIK

Use Automatik is really simple and the configuration is easy and in less then a minute you'll be able to use every function of the application.
The first step is to open the Automatik app and to click on the thunderbolt icon that is available in the top bar of the window.

From the drop-down menu you can control all the function of the application and you can also check the general settings of the application.
If you click on "Open Automatik" you should be able to see the main window of the application.
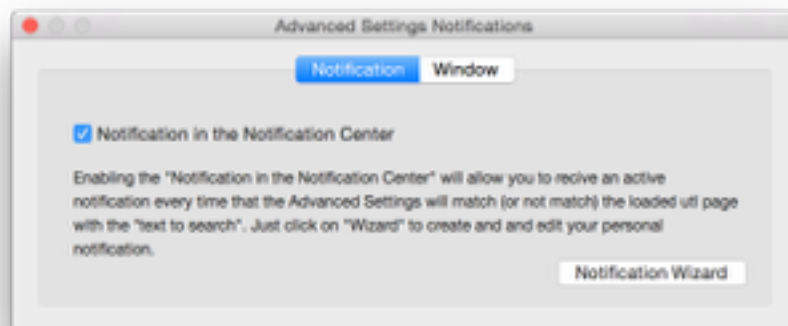
THE INTERFACE

As you can see in the image above, there are a few fields that you can set in the main window of the app, here there's a briefly description of all:

- *URL*: This is the url of the web-page/web-device that the application must reach when it's the time.
- *Interval*: This is the time, in second, that the application should wait between every "url loading".
- *Enable Timer*: If this option is checked, the timer will be enable.
- *Enable Notification:* If this option is checked, the application will inform you with a notification that could che a notification in the notification center or a pop-up window on the screen.
- *Edit Advanced Settings Notification*: From this button you can enter in the wizard of the notifications and the pop up windows.
- *Notify on text matched*: If this button is enabled, the application will notify you only if the text that is write in the text box below the check is contained in the web page.
- *Notify on ping*: If this option is checked, the application will notify you if the web page (or web device) is online or offline.
- *Save*: Save all the settings.
- *Log Information*: If you click on this button, you can look to a window that contains all the events that the application is making.
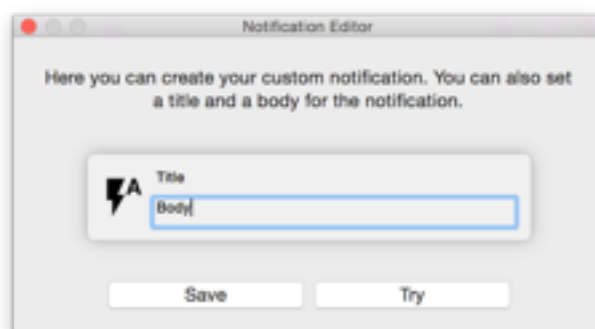
THE ADVANCED SETTINGS NOTIFICATION WINDOW
The are two different kind of notification that you can use and both could be changed an personalized as you prefer.
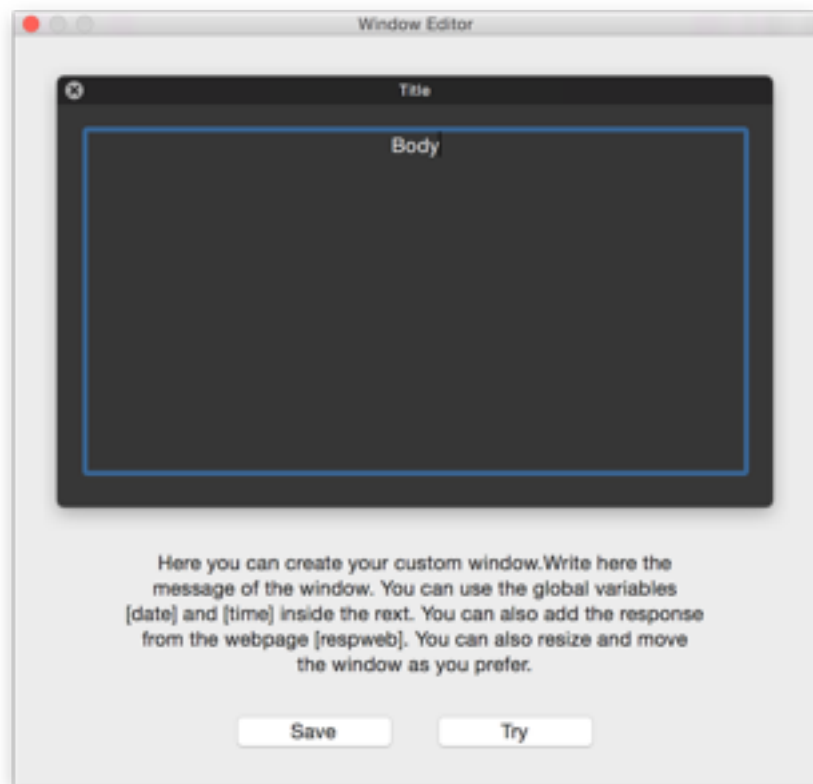To do that, you need to click on the button Edit Advanced Settings Notification on the main window, you'll se a window like this one:

You can click on both "Notification" and "Window" to set a Notification or a Pop-up Window.
The Notification Editor is a place where you can actually create your personal Notification and set the Title and the Body of the notification.

In the Window Editor, instead, you can create a customize a pop-up windows.
In this configurator, you can set the Title and the Body as well as for the notification but you can also set the position an the size of the window.

So, if you prefer a small window at the top right of the desktop, you have to click on "Try", change the size and the position of the pop-up window, and click on Save.
You can always try your changes by click on "Try" after that you've saved all the settings.

DEVELOPING THE CODE

You can write a Title and a Body in both the notification and windows of the application, but you can also write a few commands that allow you to receive some information from the web page. These are all the custom commands:

• **[@date]** : Shows the current date in the format "m-d-yyyy"
• **[@time_seconds]** : Shows the current time in the format "HH:mm:ss"
• **[@time]** : Shows the current time in the format "HH:mm"
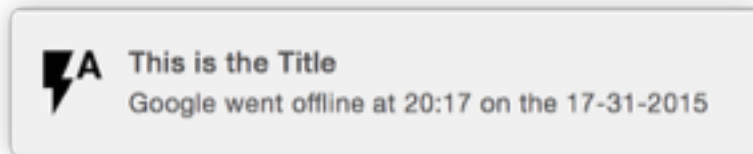• **[@web_response]** : Show the url page as a text.

You can, for example, write something like "Google went offline at [@time] on the [@date]" to get a message like "Google went offline at 12:00 on the 3-31-2015".
If you want to receive the web page as a plain text, you can write a text like "The web page said [@web_response]" to get something like "The web page said <html>page</html>".

Some examples with the notifications

Title text : "This is the Title"
Body text : "Google went offline at [@time] on the [@date]"

Title text : "This is the Title"
Body text : "[@web_response]"

Some examples with the windows

Title text : "This is the Title"
Body text : "This is the Google webpage: [@web_response]"

LOOKING FOR A STRING

You can also look for a string inside the [@web_response] of a url.
For example, this is a simple web page:

```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

You can use Automatik to search the string "My First" and get a notification if the page contains that string.
This settings is veri useful if the web page is dynamic and you want to know when a string is inside or not the web page.

EXAMPLES

The first example is a test where we are going to check if Google is online or not.

1. Write "***http://www.google.it***" in the URL text box.
2. Set an interval (for example 10 seconds).
3. Click on "Enable Timer".
4. Check the checkbox "Notify on ping" and set the combobox to "URL is online".
5. Choose if you prefer a window or a notification and change customize the notification/window.