

# Push Notifications

# Who use it

Check actually running service workers.

In Chrome: <chrome://serviceworker-internals/>

In FireFox: <about:debugging#workers>

# Who supports it

## Push API - WD

Global

45.77% + 6.15% = 51.92%

API to allow messages to be pushed from a server to a browser, even when the site isn't focused or even open in the browser.

Current aligned

Usage relative

Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			29						
			45						
			48					4.3	
			49			8.4		4.4	
8		45	50			9.2		4.4,4	
11	13	46	51	9.1	37	9.3	8	50	50
	14	47	52	TP	38				
		48	53		39				
		49	54						

Notes

Known issues (0)

Resources (6)

Feedback

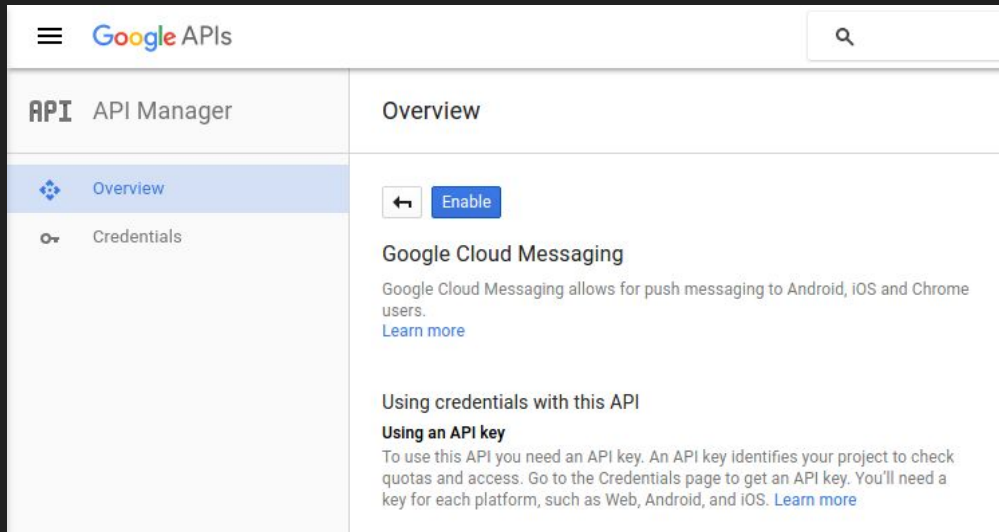
MS Edge status: *Under Consideration*

<sup>1</sup> Partial support refers to not supporting `PushEvent.data` and `PushMessageData`

<sup>2</sup> Requires browser to be running to receive messages

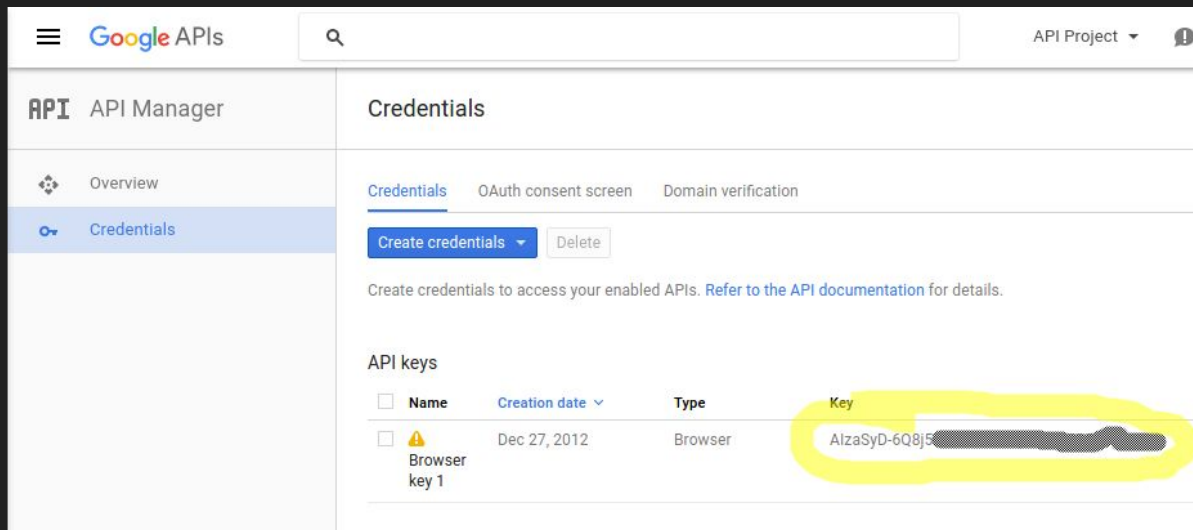
# To start

Enable Google Cloud Messaging (GCM) <https://console.developers.google.com/apis/api/googlecloudmessaging/overview>



# To start

We need key to use in browser <https://console.developers.google.com/apis/credentials>

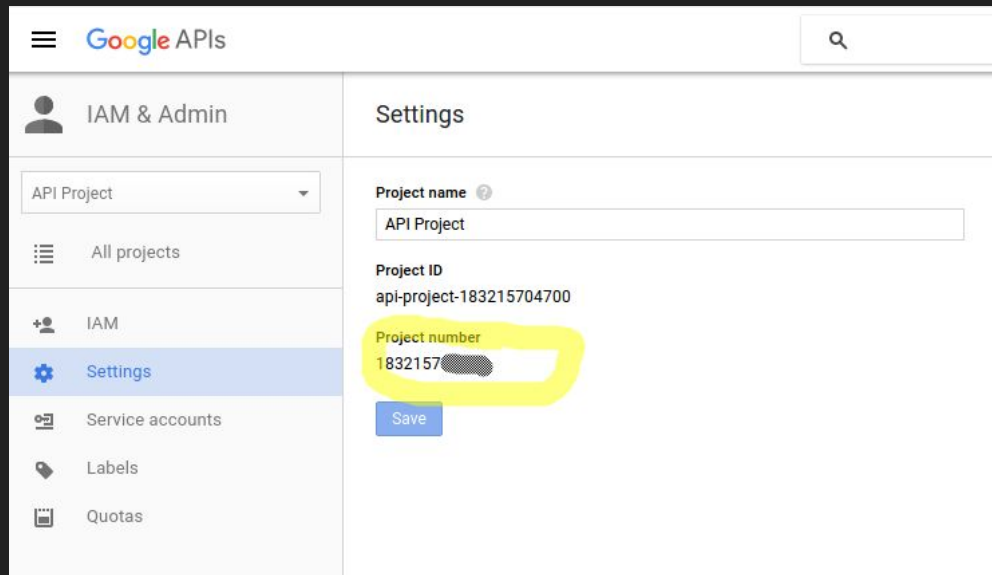


The screenshot shows the Google APIs console interface. On the left, the 'API Manager' sidebar has 'Credentials' selected. The main area is titled 'Credentials' and includes tabs for 'Credentials', 'OAuth consent screen', and 'Domain verification'. Below these tabs are buttons for 'Create credentials' and 'Delete'. A message states: 'Create credentials to access your enabled APIs. Refer to the API documentation for details.' Below this is a section for 'API keys' with a table listing existing keys.

<input type="checkbox"/>	Name	Creation date	Type	Key
<input type="checkbox"/>	Browser key 1	Dec 27, 2012	Browser	AlzaSyD-6Q8j5[REDACTED]

# To start

To use Push Notifications in Chrome we also need project number from Google Console



# How does this works

1. Browser connects to vendor's Push Notification service
2. Push Notifications service returns endpoint URL
3. Whoever POST to this URL then browser will receive notification

# Main features

1. This notifications may come even when browser tab is closed
2. We may make notifications looks branded
3. We can focus some tab or even open a new one by clicking on this notification
4. Data may be transferred with this notification





# Links

1. Cook book: <https://serviceworker.rs>
2. Repository: <https://github.com/PavelKonon/js-lessons/tree/master/lesson-3>