

PushingBox API: Real Time Notifications for IoT Devices, Applications and Web Services

PushingBox is a cloud service that sends notifications based on API calls — you can trigger the service by HTTP request (GET/POST) or email. PushingBox is called from almost anything, e.g., Arduino, Spark Core, IFTTT, email, SmartThings, an HTTP request or your own script. Dozens of services, such as emails Tweets, SmartWatch notifications, Push Notifications (iOS, Android, WindowsPhone), Windows8 Notifications and MacOS Notifications can be utilized.

In a previous blog post, Revolution11 introduced iBeacons, Apple’s protocol that allows mobile devices (iOS and Android) to pick up signals from small sensors using the Bluetooth Low Energy (BLE) protocol. The uses for iBeacons are endless, and as our consumption of “stuff” from mobile devices increases, sensors such as iBeacons will deliver rich contextual content from everyday objects.

In this example, we combine iBeacons with PushingBox API and Pushbullet to send notifications to iOS devices and Chrome browser with a FileMaker solution.

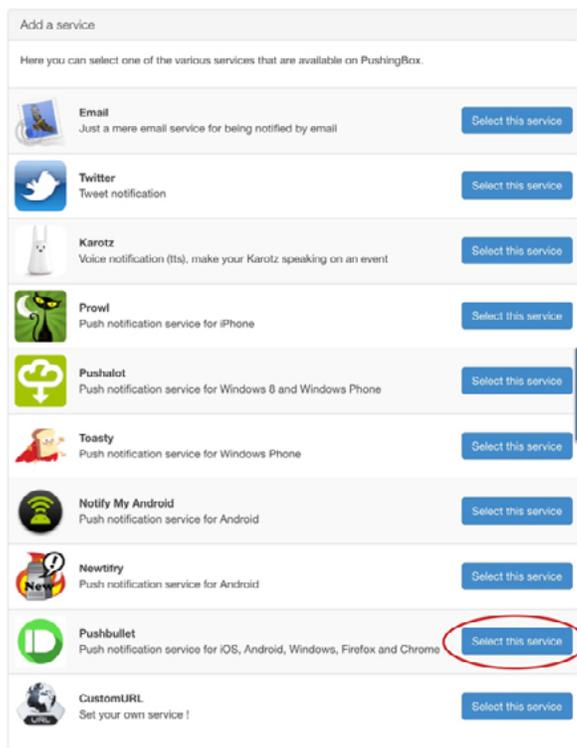
Set-Up:

1. Go to <https://www.pushingbox.com/> and sign up for an account. Notifications are created from an API call to the services supported by PushingBox. Next, configure the service you are sending the notification from. You can do it at the My Services page.

2. Add a service:



3. Select the Pushbullet service:



The Pushbullet Service dialog box will prompt you to name the service and enter the access token used in the API call.

4. Download Pushbullet at this point by clicking on the link (1)

Pushbullet Service

Pushbullet is a free Push notification service for iOS, Android, Windows, Firefox and Chrome.

It allows you to send pictures from your Web Camera to your devices.

Install it from this link: **Download Pushbullet**. ← 1

And get your **Access Token** ← 2

Name of your Pushbullet configuration:

Access token:

Device token (optional):

Device token allows you to send a notification to a specific device registered on your Pushbullet Account. If empty, notifications you be sent to all your devices.

Cancel Submit

5. Signup for a Pushbullet account and Create an Access Token (2). You can use a Google account to sign into the PushingBox and Pushbullet accounts making it simple and quick.

a. Enter the access token back in the Pushbullet service.

Pushbullet APPS CHANNELS BLOG PRO API HELI

Account

Push History

Devices

Invite

People

Connected Apps

End-to-End Encry...

Upgrade to Pro for additional features. [Click here to learn more.](#)

Upgrade to Pro

Referrals

Inviting friends to try out Pushbullet gets you both +25MB to your file size upload limit.

Your max file upload size is 25MB

You have referred 0 people.

Invite Friends

Access Tokens

Using an access token grants full access to your account. Don't share this lightly. You need the access token in order to use the API.

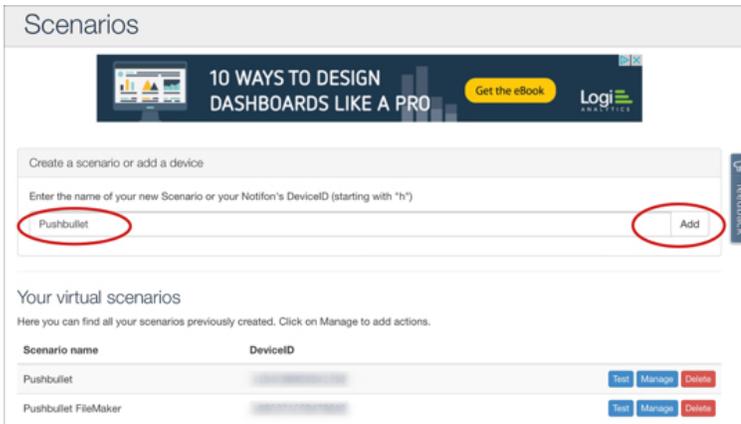
Create Access Token ← 2

Resetting your access tokens will sign you out everywhere. Use this if one of your devices gets lost or stolen. You will have to sign in again on each device.

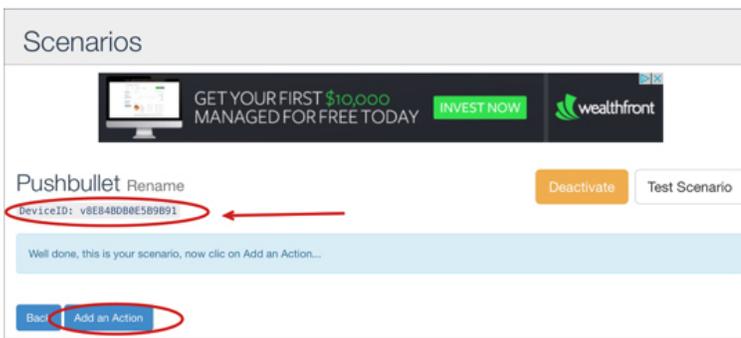
Reset All Access Tokens

6. Create a “scenario” and add an action to which the service will use and eventually write the text to send. The action is essentially the customized information you will use in your scenario.

- a. Go to “My Scenarios” and give the service a name of your choice and click “Add”
- b. This is step is where you will get the DeviceID used in the API call. Select “Manage”

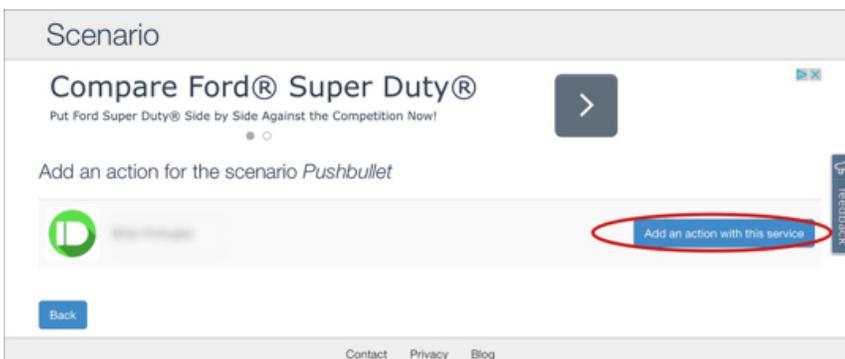


7. Select “Add an Action” and note your DeviceID:

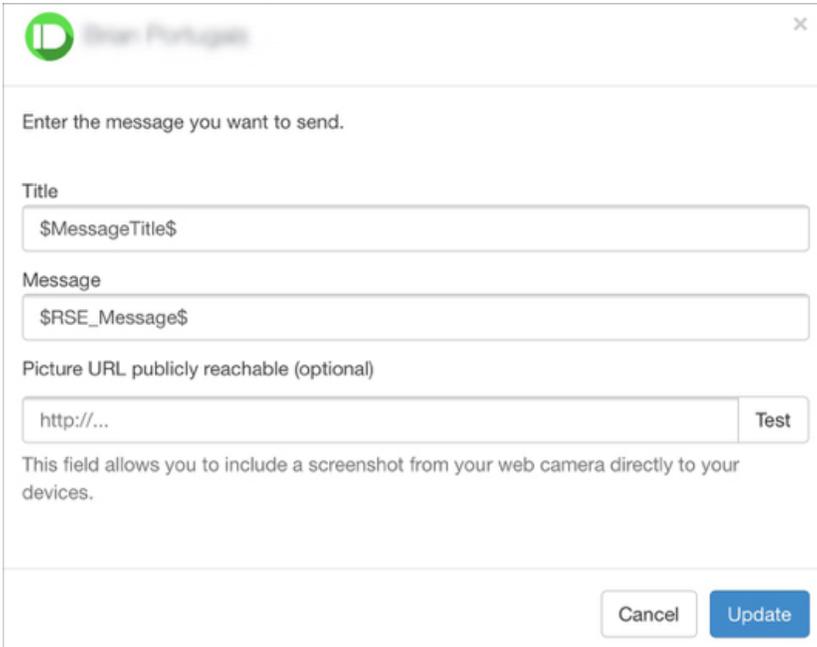


Pushbullet or any other scenario you’ve set up will be available to add an action too.

8. Select “Add an action with this service”



From here you can create the message you want to send or use variables if you want to send some customized information with your scenario.



Enter the message you want to send.

Title
\$MessageTitle\$

Message
\$RSE_Message\$

Picture URL publicly reachable (optional)
http://... Test

This field allows you to include a screenshot from your web camera directly to your devices.

Cancel Update

Here we are creating variables for use in a FileMaker solution, in this example we create variables:

\$MessageTitle\$

\$RSE_Message\$

Be on the lookout for our next blog post where we will create the FileMaker solution and integrate it with [iBeacons](#), PushingBox, and Pushbullet Web service. Revolution11 is continually seeking innovative solutions for our clients.

Have Questions?

Revolution11 provides a free initial consultation. Contact us and we would be happy to discuss your situation and needs.

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