

Jm.PubNub (version 0.1)

What It Does

With the `jm.pubNub` Java class you can exchange messages (and entire Dictionaries) between Max patches across the internet. No IP address or anything like this is necessary.

Furthermore it is possible to exchange data with practically anything that can make http-requests (Websites direct communication with the client browser not only via the websites server), Android devices, iPhone/Pad/Pod, gaming consoles and others.

This is achieved by implementing the push-service of a company called PubNub (www.pubnub.com) into the Max Java Class.

The Java-Class implements a for Max requirements modified version of the PubNub Java API into a `mxj` class so that the service becomes available from within a max-patch.

This is how the service works: <http://www.pubnub.com/how-it-works>

B) Two things that I'd like to remark before you start

1. PubNub services are generally not for free, but (by the day of this text) they offer a basic package of 5 million message transmission per month for free. If you need more than then this basic service or special feature it becomes a paid service. (One sent message that is received by 5 other patches/devices is counted as 6 transmissions)

2. I have nothing to do with that company and there are others around that offer that service and that are worth mentioning (i.e. Pusher.com). I just considered the API of the used service as the most suitable one at that time to implement in Max.

C) Installation

- Create a folder inside `<Your/Installation/Path/>Cycling'74/java/lib` named `jm`
- Copy the file `java/lib/jm/jm.pubnub.jar` into that folder.
- Create a folder inside `<Your/Installation/Path/>Cycling'74/java/help` called `jm`
- Copy the file `java/help/jm.pubNub.maxhelp` into that folder.
- Restart Max if it was running.

To see how `jm.pubNub` works create a new patch with a **[mxj jm.pubNub]** object, right click on the object and open the help file.

You will find all necessary information there.

D) Limitations

Encrypted publishing using the "secret key" is currently not implemented.

E) Disclaimer (MIT License)

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