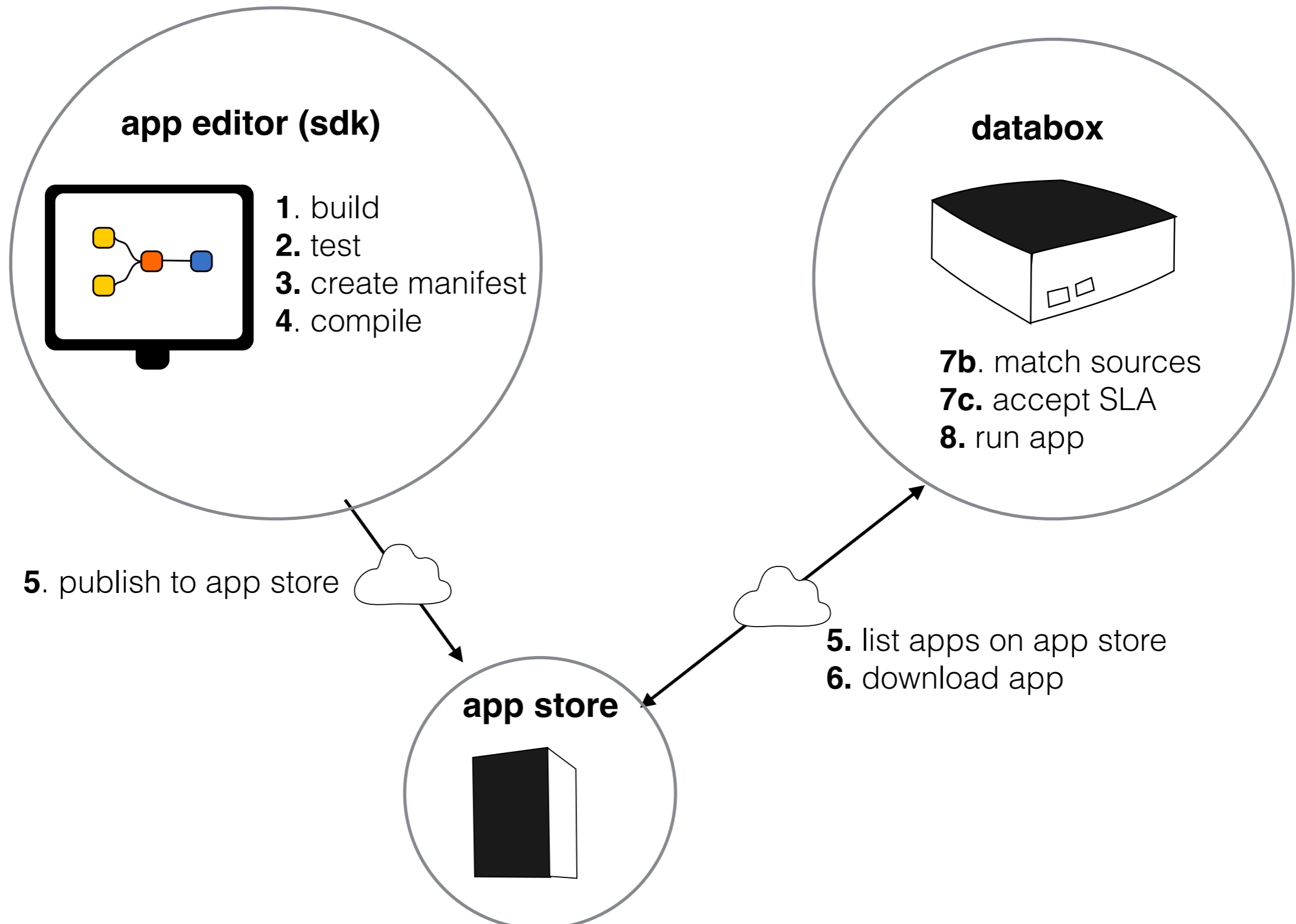


databox app workflow



databox app editor

datastores

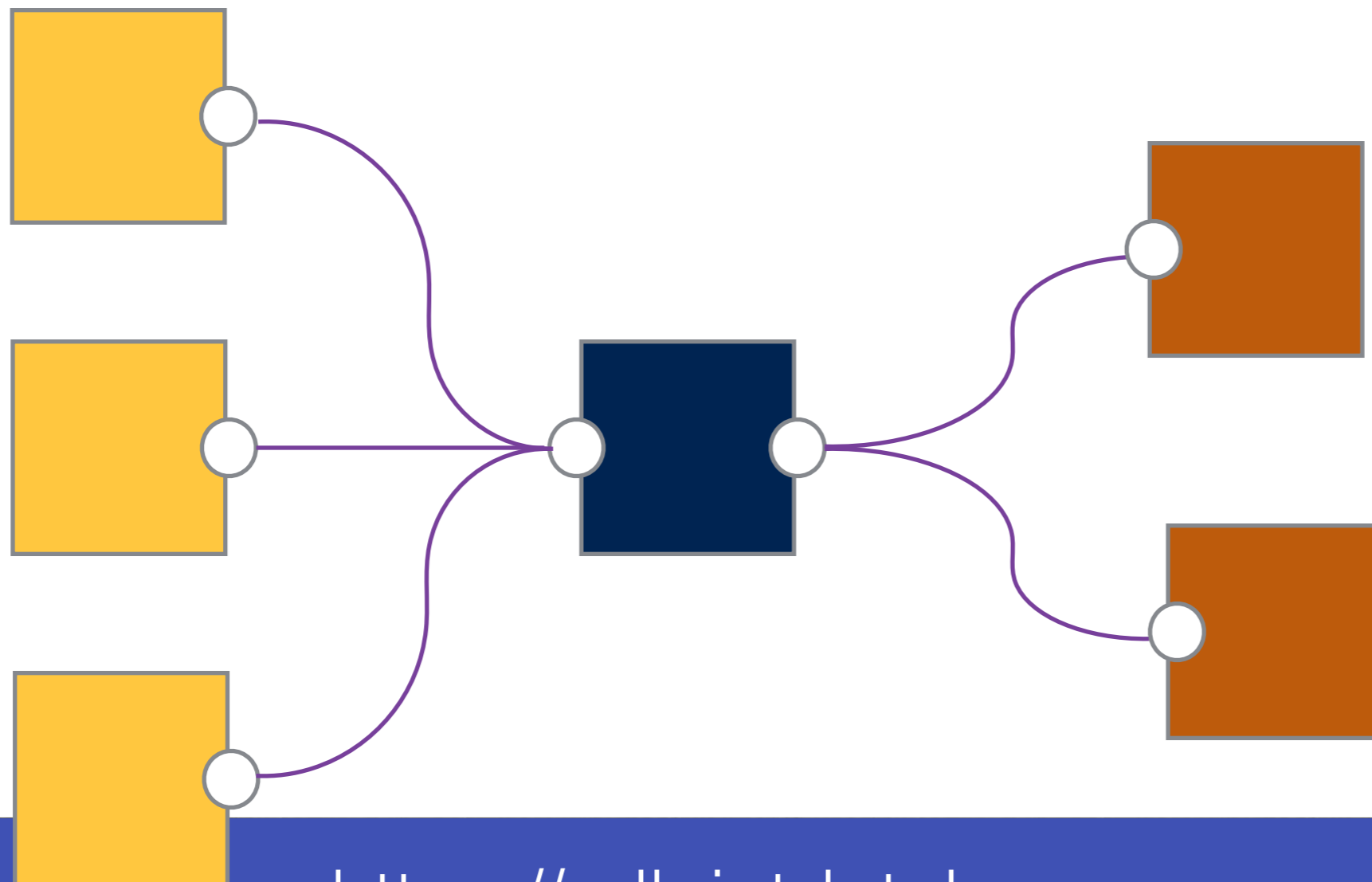
hue bulbs
mobile sensors
smart plugs

processors

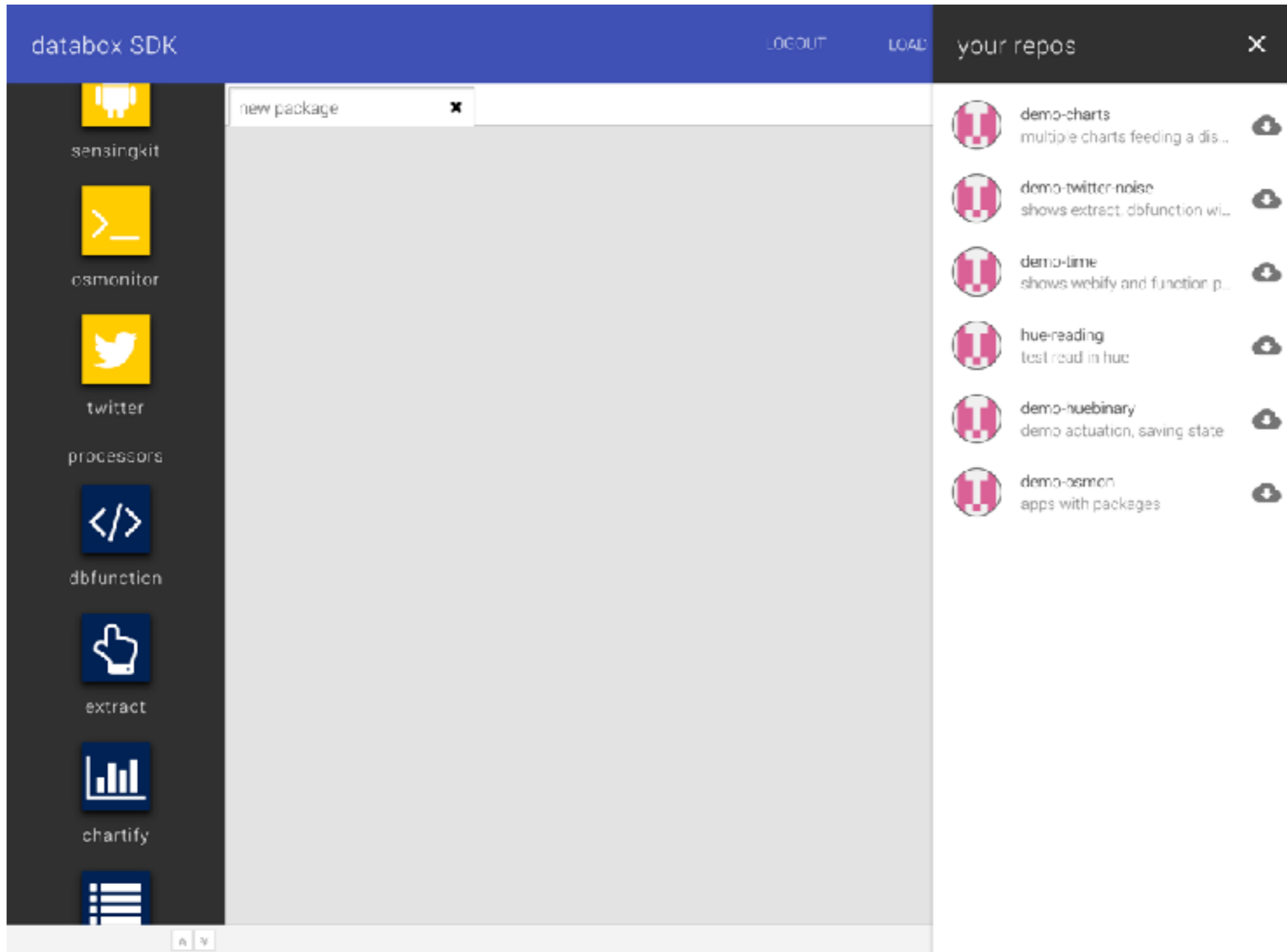
map, reduce
filter
convert

outputs

actuate
display
write to store

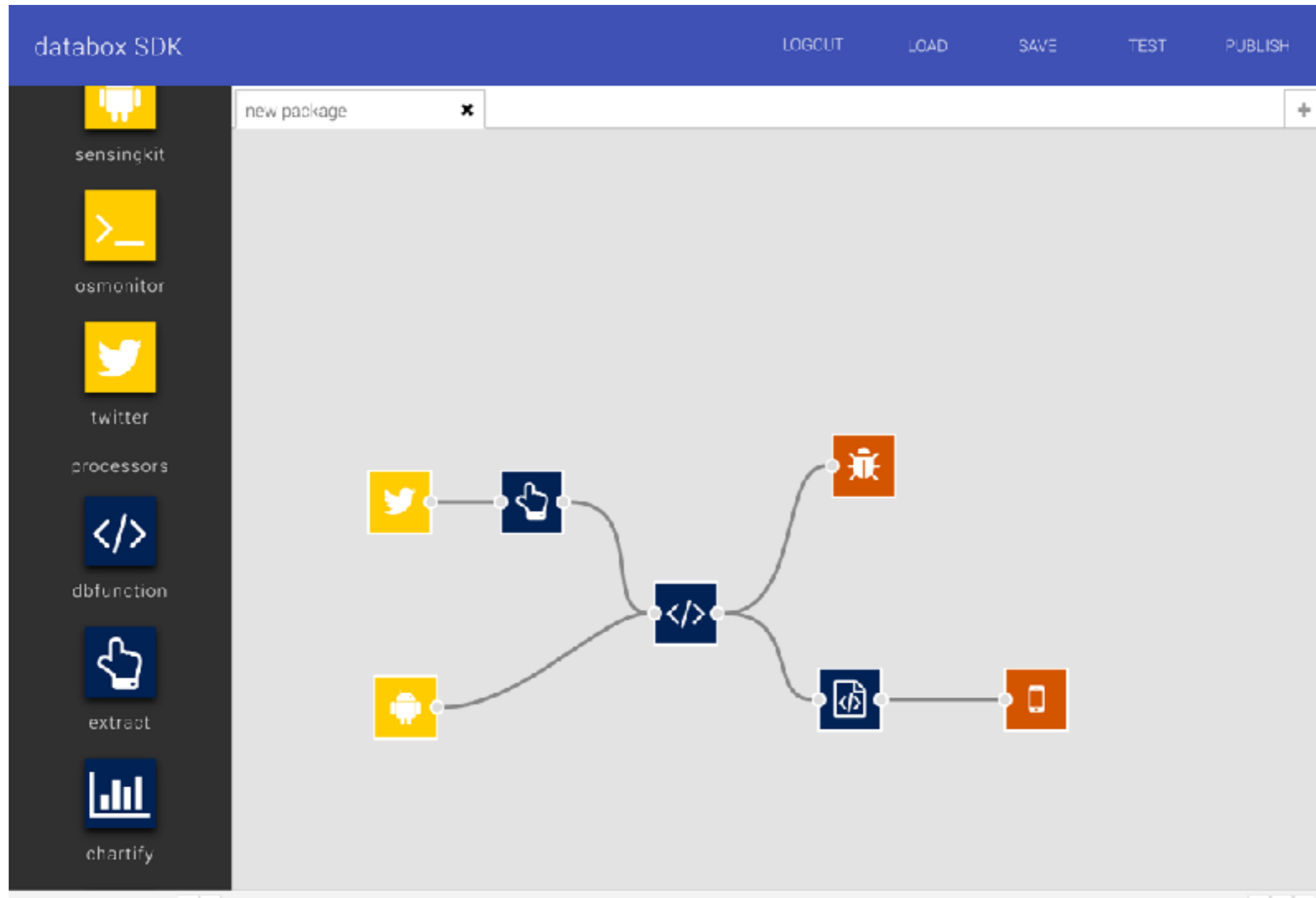


databox: sdk home screen



<https://sdk.iotdatabox.com>

databox: sdk app



<https://sdk.iotdatabox.com>

databox: config options

configure extract

there are 1 inputs to this function (click to view)

there are 1 responses of data from this function (click to view)

NAME	VALUE
extract tweet	
twitter	

msg

name a name assigned to this twitter node:

is [X]

type twitter

subtype twitter/tweet/stream

payload

is a week time stamp [X]

value a tweet [X]

OK CANCEL

configure dbfunction

there are 2 inputs to this function (click to view)

there are 2 responses of data from this function (click to view)

```
function extract tweet (context) {  
  var tweets = context.get("tweets") || [];  
  var latest = context.get("latest") || 0;  
  var timestamp = timestamp();  
  if (latest < tweets.length) {  
    return tweets.slice(0, latest);  
  }  
  return "no more tweets to show!";  
}
```

OK CANCEL

configure sensingkit

there are 1 responses of data from this function (click to view)

NAME	VALUE
sensingkit	
twitter	

OK CANCEL

```
graph LR; twitter[twitter] --> processor[processor]; processor --> dbfunction[dbfunction]; dbfunction --> sensingkit[sensingkit];
```

configure inject

NAME	TYPE	VALUE	OPTIONS
inject	interval	every 1 minutes	inject once at start? [X]

OK CANCEL

```
graph LR; twitter[twitter] --> processor[processor]; processor --> inject[inject]; inject --> sensingkit[sensingkit];
```










databox: testing

The screenshot shows the databox SDK interface. On the left is a sidebar with various service icons: sensirgkit, csmonitor, twitter, processors, dbfunction, extract, chartify, and another icon. The main workspace displays a workflow diagram with nodes for twitter, a hand icon, a code editor, and a bug icon. A 'test app' window is open on the right, containing a message: 'This flow has 2 flows with outputs that can be viewed in test mode. Click on anyone to take a look'. Below the message are two mobile device icons.

	timestamp	ID	message
	3/23/2017, 4:08:40 PM	df7946b8.fa5328	{ "payload": "@Smac11231\$ Forwarding your complaint to @MassDCR. Thank you.", "_msgid": "2c732224.7f5b0a" }
	3/23/2017, 4:08:31 PM	df7946b8.fa5328	{ "payload": "@dd808 We made a case for Code Enforcement. Thank you.", "_msgid": "6c6401e8.aba35" }
	3/23/2017, 4:08:31 PM	df7946b8.fa5328	{ "payload": "make some noise", "_msgid": "fa1ea6c.3ec3158" }

databox: publish







databox SDK LOGOUT LOAD SAVE TEST PUBLISH

 sensingkit	APP NAME	twitter-shaker
 osmonitor	APP DESCRIPTION	testing twitter and sensingkit
 twitter	TAGS	twitter; sensingkit, shaking
 processors	packages	
 dbfunction	PACKAGE	NEW PACKAGE
 extract	PURPOSE	To demo twitter and sensingkit
 chartify	INSTALL	<input checked="" type="checkbox"/> OPTIONAL <input type="checkbox"/> COMPULSORY
	DATASTORES	 TWITTER-HASHTAGSTREAM  AUDIO-LEVEL
	RISK	This package is rated as MEDIUM risk
	BENEFITS	Shows a multi-source app
	permitted install combinations	
	NEW PACKAGE	NEW PACKAGE

<https://sdk.iotdatabox.com>

databox: container manager: apps



-  **databox-app-light-graph**
Yousef Amar <yousef@amar.io> (<http://yousefamar.com/>)
-  **databox-app-twitter-sentiment**
Anthony Brown <Anthony.Brown@nottingham.ac.uk> ()
-  **tlodge-demo-charts**
tlodge
-  **tlodge-demo-hue-binary**
tlodge
-  **tlodge-demo-time**
tlodge
-  **tlodge-osmontest2**
tlodge







databox: container manager: stores



Databox		🔍	
APPS	STORES	DRIVERS	SYSTEM
☰	databox-driver-mobile-databox-store-blob running		🔄 ✕
☰	databox-logstore running		🔄 ✕
☰	databox-os-monitor-driver-databox-store-blob running		🔄 ✕

databox: container manager: drivers








Databox 🔍

APPS STORES **DRIVERS** SYSTEM

	databox-driver-mobile running	 
	databox-os-monitor-driver running	 

	databox-driver-phillipshue James Colley <James.Colley@nottingham.ac.uk> ()
	databox-driver-twitter-stream Anthony Brown <Anthony.Brown@nottingham.ac.uk> ()

databox: container manager: **system components**

Databox		Q	
APPS	STORES	DRIVERS	SYSTEM
	databox-arbiter running		 
	databox-cm running		 
	databox-export-service running		