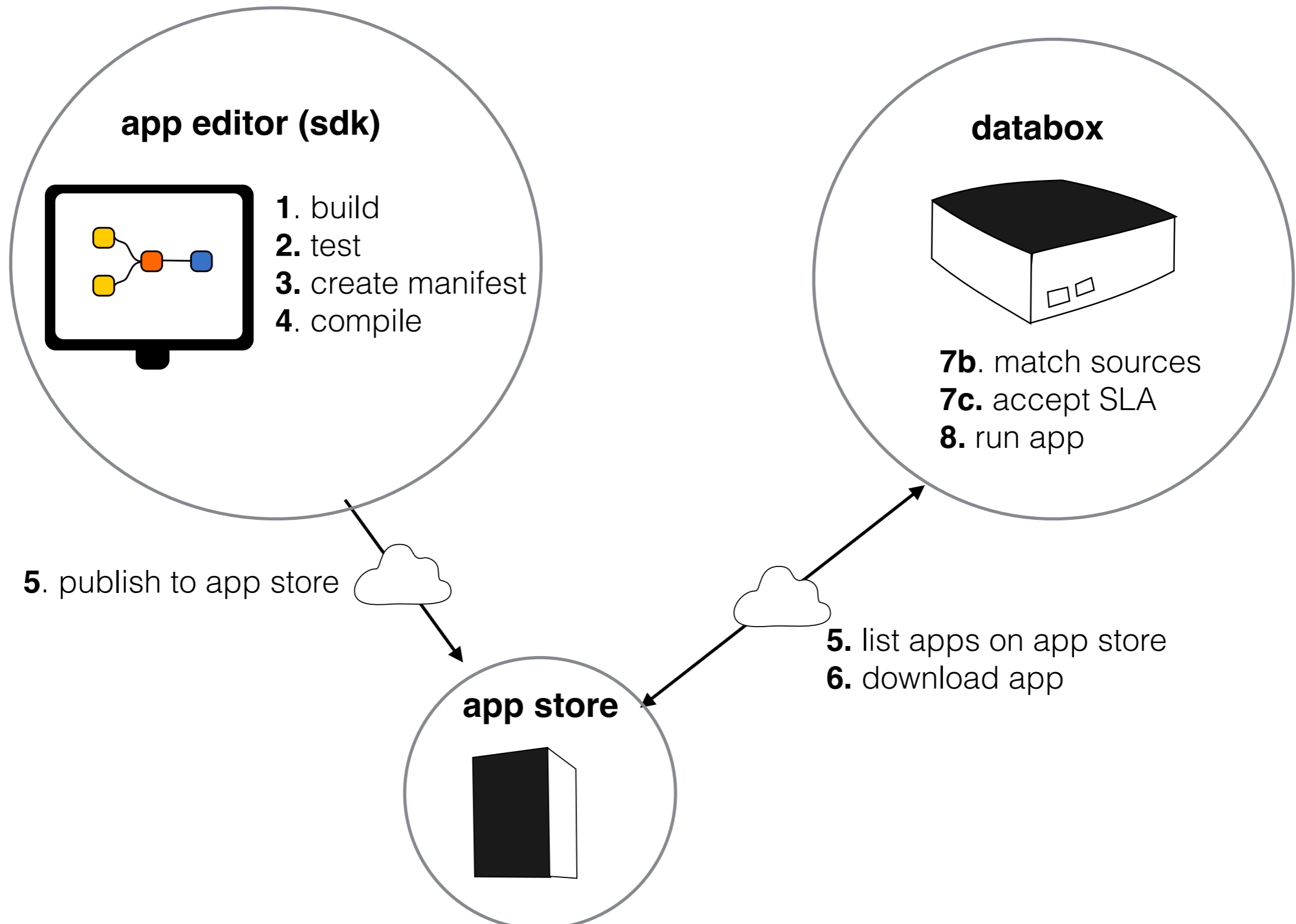


databox app workflow



databox app editor

datastores

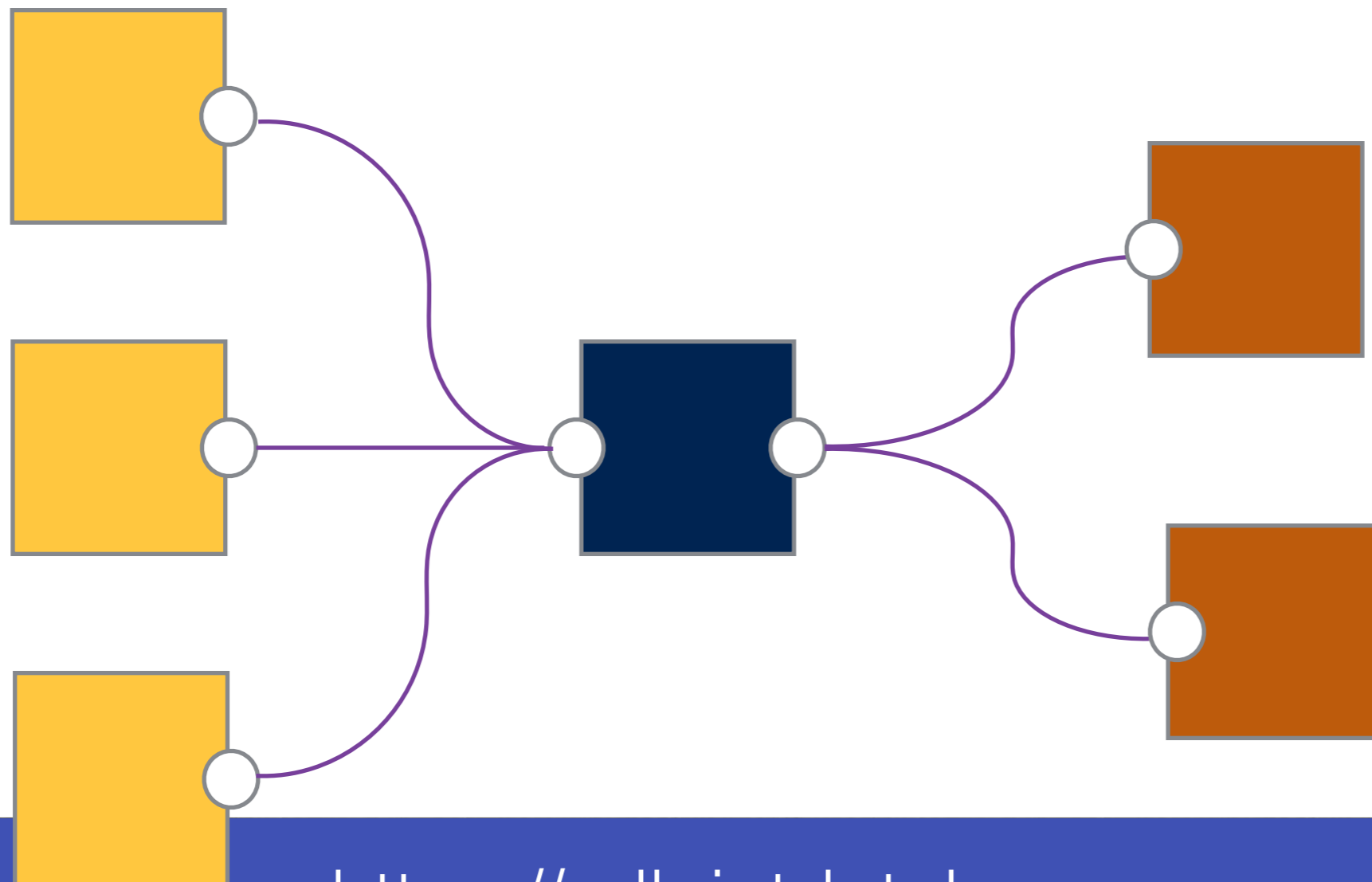
hue bulbs
mobile sensors
smart plugs

processors

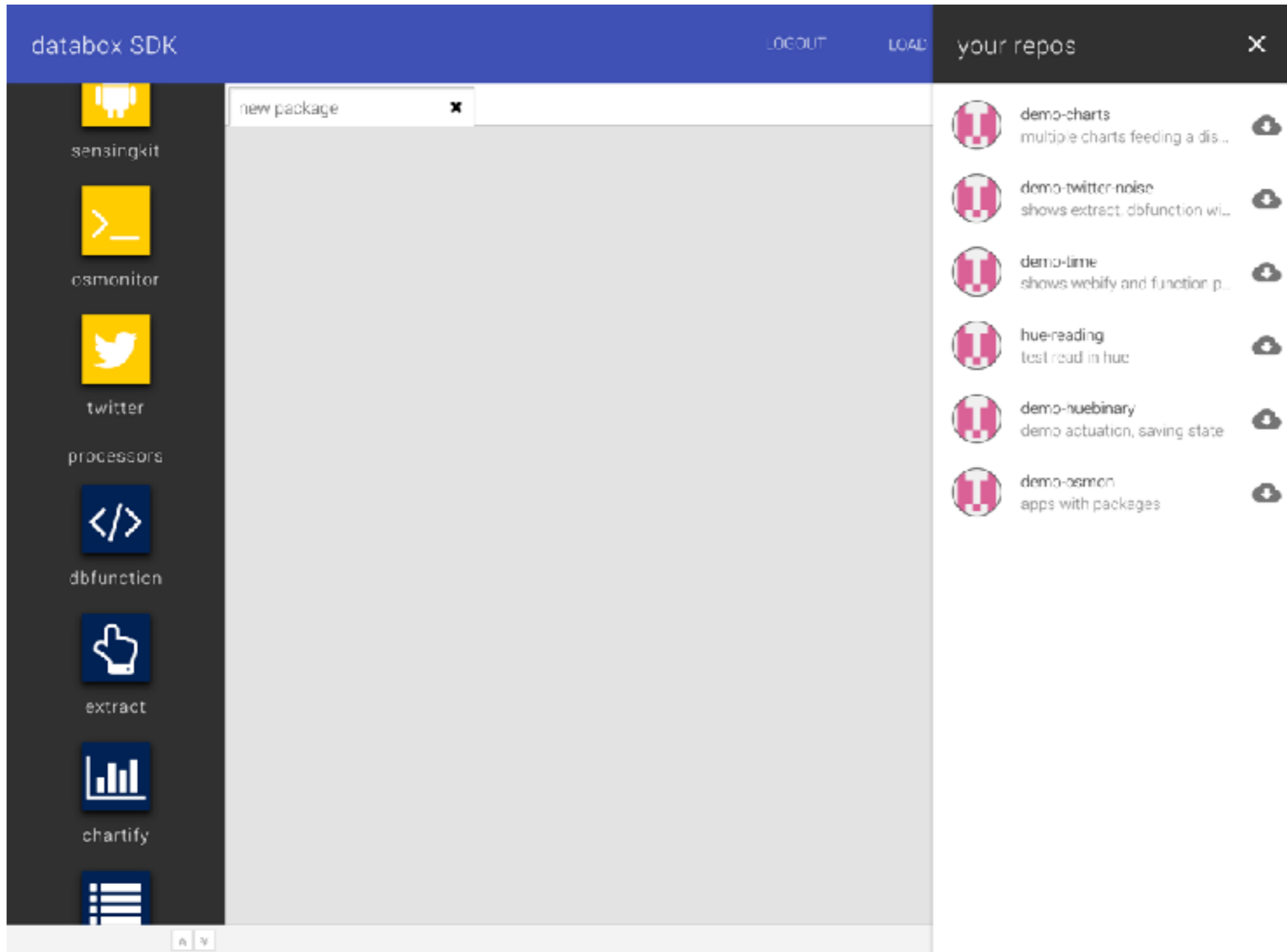
map, reduce
filter
convert

outputs

actuate
display
write to store

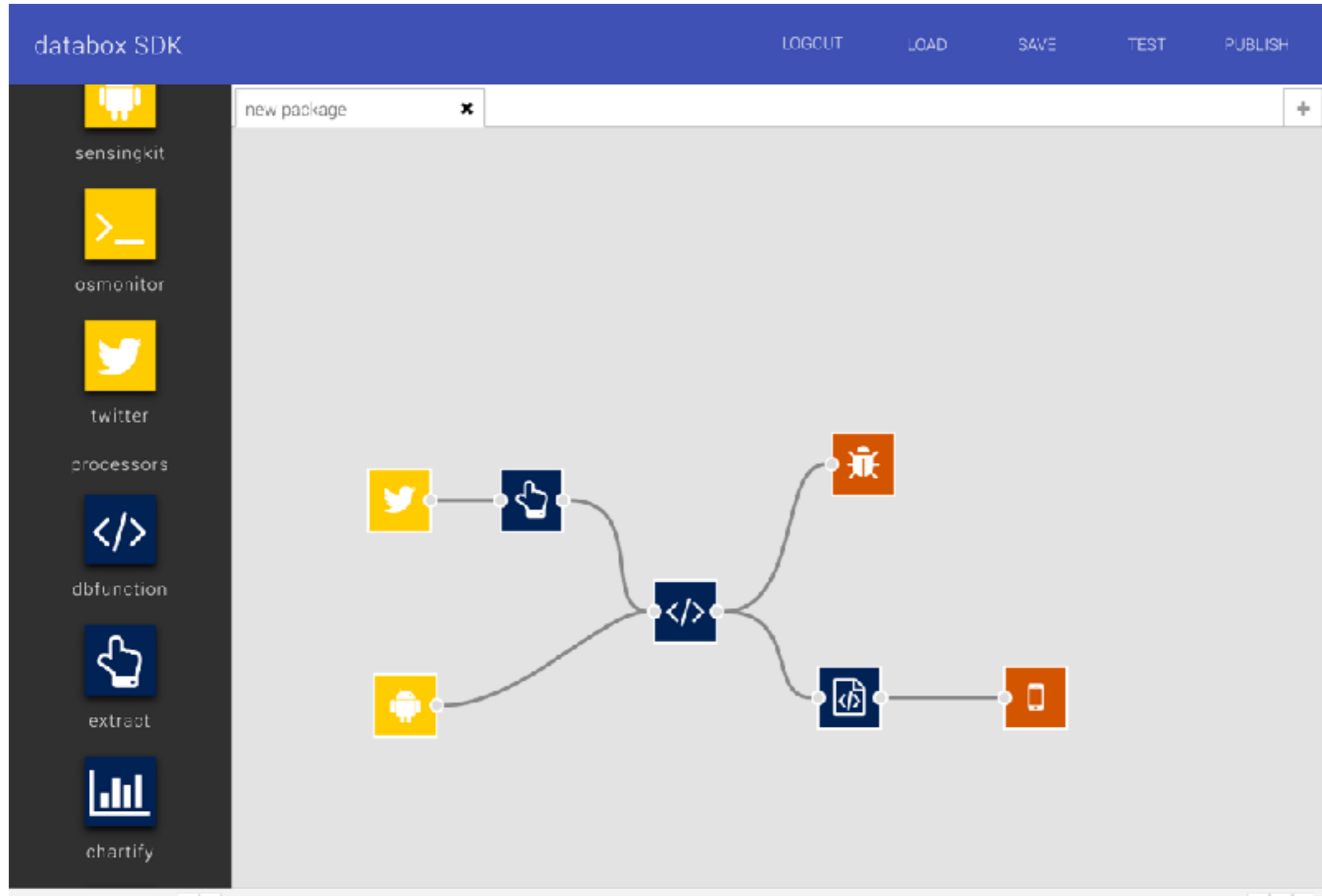


databox: sdk home screen



<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	TYPE
extract tweet	twitter

msg

- name: a name assigned to this twitter node
- id: []
- type: twitter
- subtype: twitter/tweet/stream

payload

- id: a link to tweet
- value: a tweet

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(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!";
}

if (msg.payload.name === "twitter") {
  tweets.push(msg.payload.value);
  context.set("tweets", tweets);
}

if (msg.payload.name === "timestamp") {
  context.set("latest", timestamp);
}
```

OK CANCEL

configure sensinkit

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

NAME	TYPE

OK CANCEL

Flowchart: extract (twitter) -> dbfunction -> inject (sensinkit) -> output (output)

configure inject

NAME	TYPE
inject	

OK CANCEL

Flowchart: extract (twitter) -> dbfunction -> inject (sensinkit) -> output (output)










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, showing 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

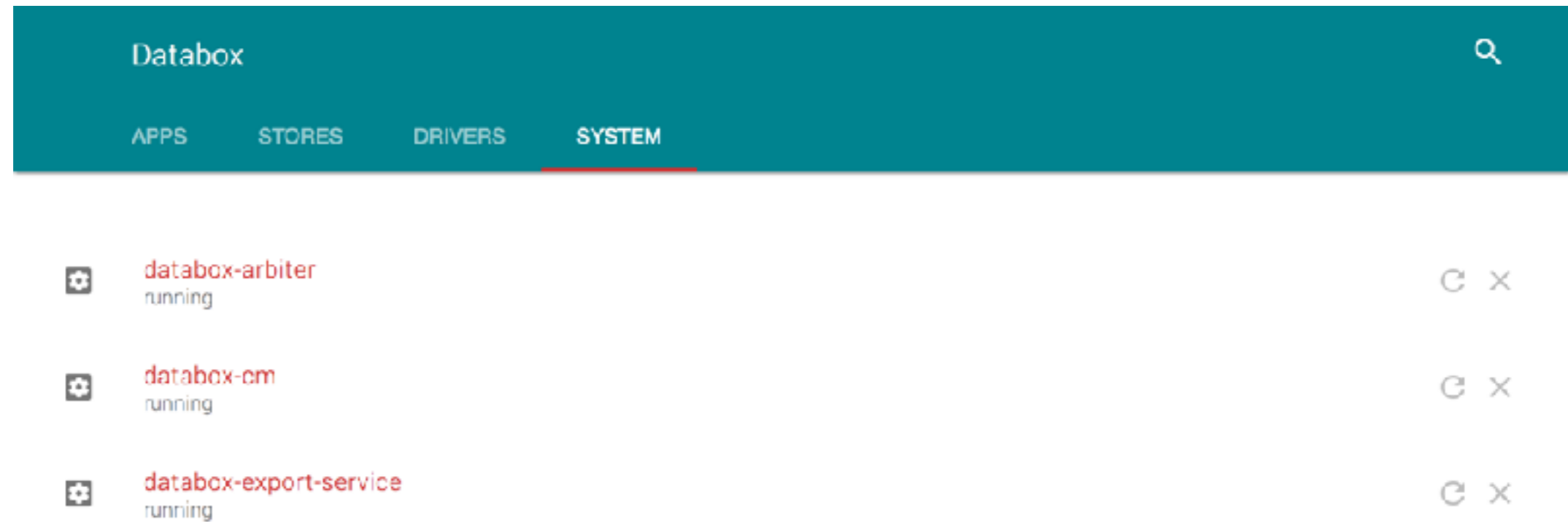
databox: container manager: stores

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**



The screenshot displays the Databox container manager interface. At the top, there is a teal header bar with the word "Databox" on the left and a search icon on the right. Below the header, a navigation menu contains four items: "APPS", "STORES", "DRIVERS", and "SYSTEM". The "SYSTEM" item is highlighted with a red underline. The main content area lists three system components, each with a gear icon, a name, a status, and control icons (refresh and close).

Component Name	Status	Control Icons
databox-arbiter	running	Refresh, Close
databox-cm	running	Refresh, Close
databox-export-service	running	Refresh, Close