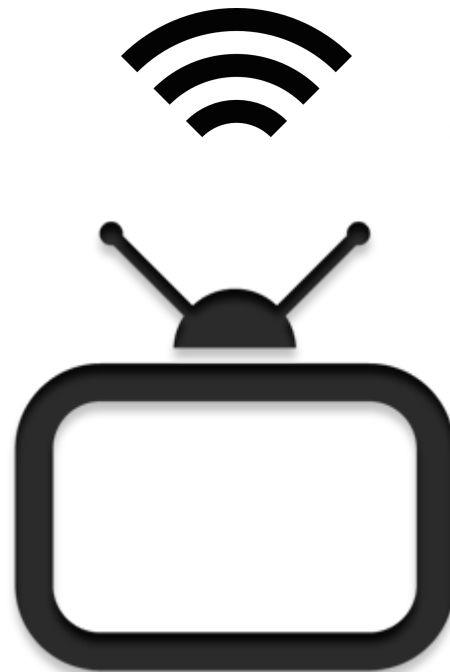


# Entorn de desenvolupament

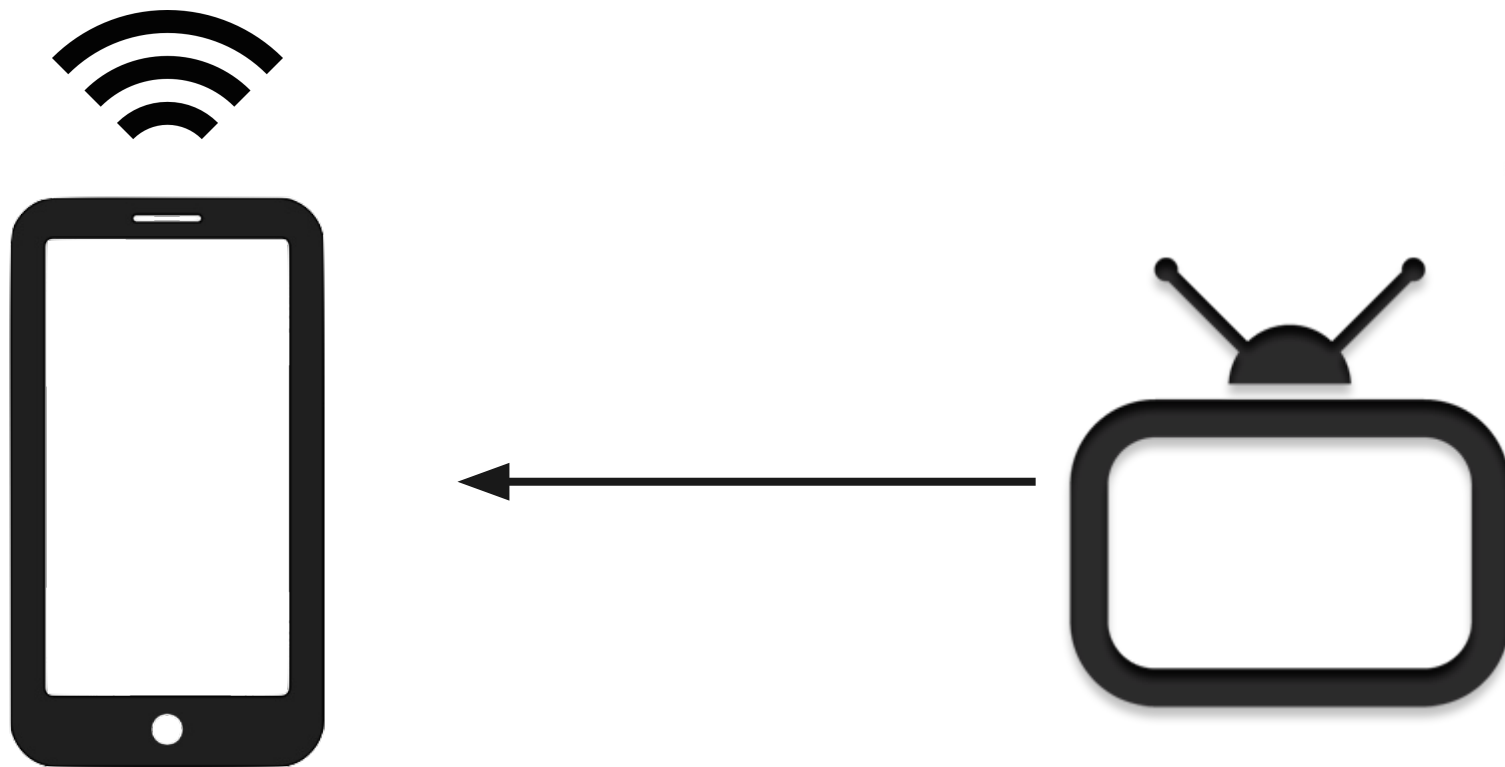
Rafael Bermúdez



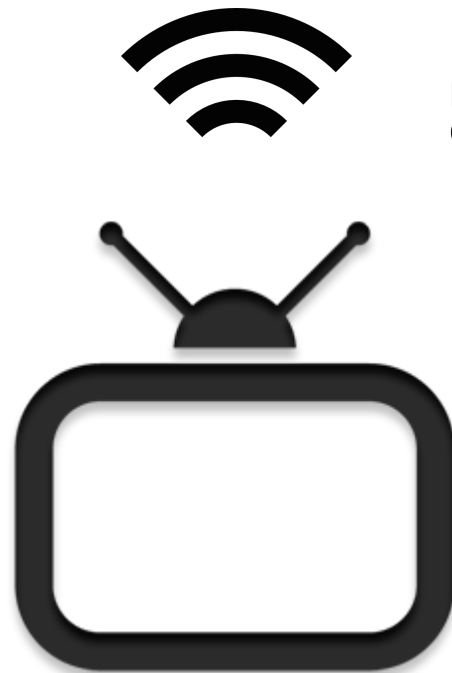
**Escenaris**



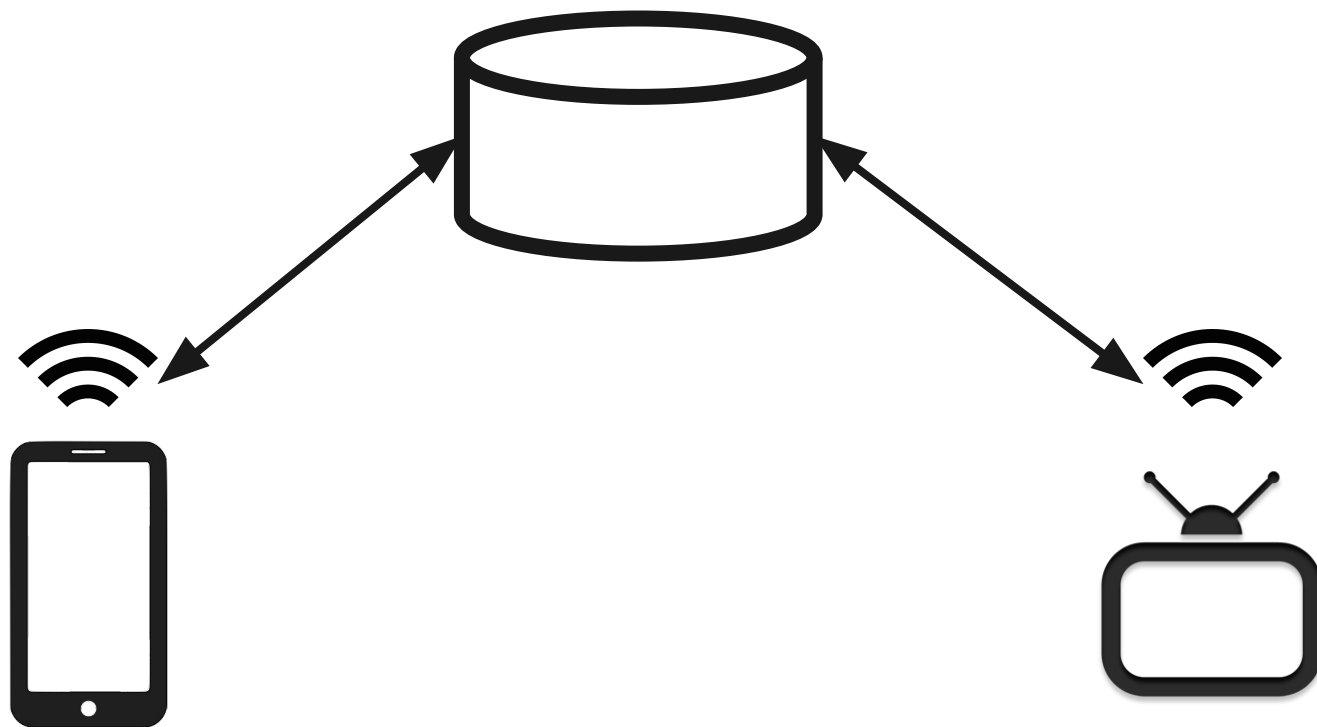
**Escenaris - (TV + 2S)**



**Escenaris - (TV -> 2S)**



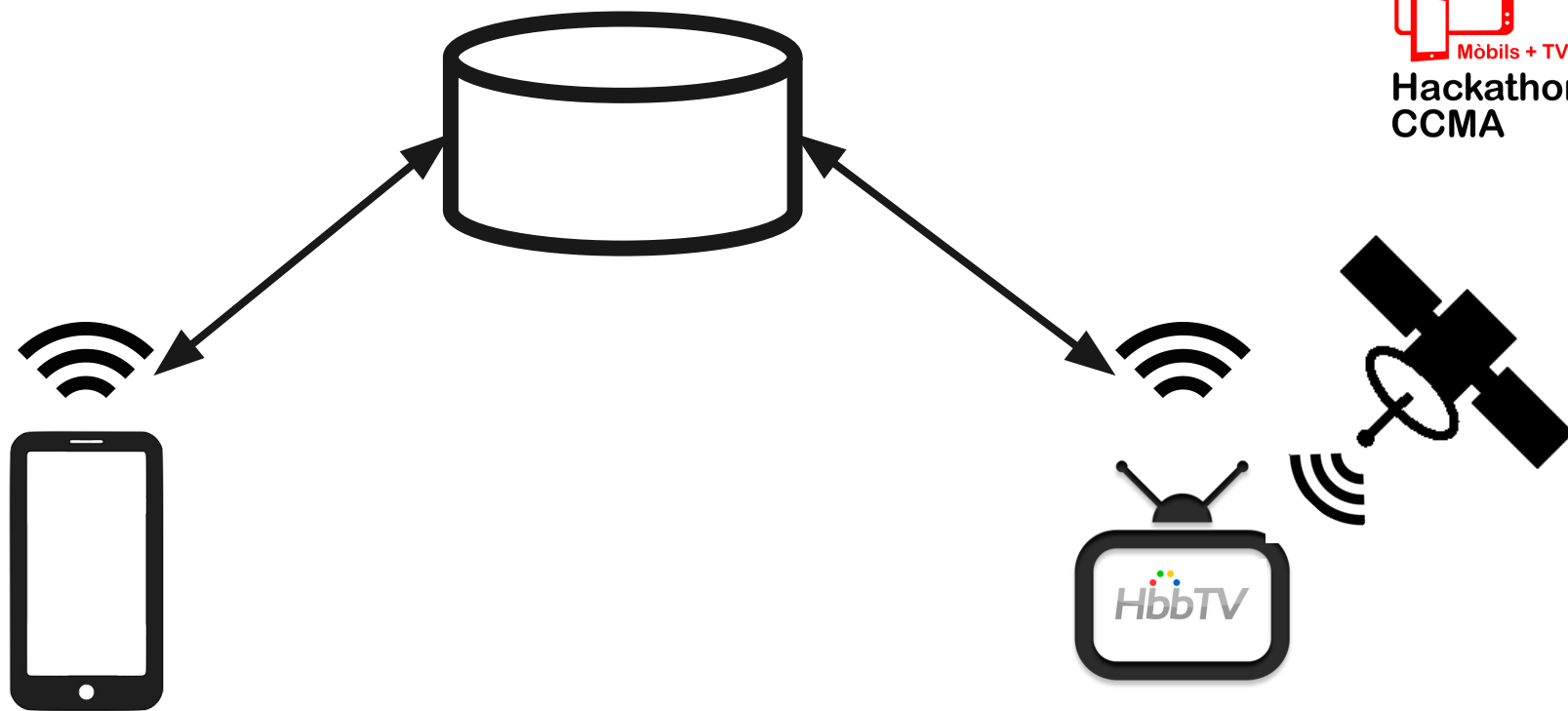
**Escenaris - (TV <-> 2S)**



**Escenaris - (TV <-> SERVIDOR <-> 2S)**



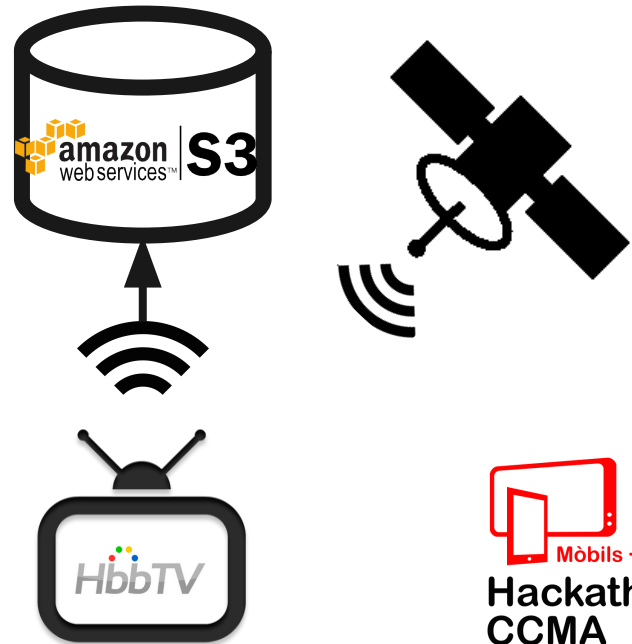
Hackathon  
CCMA



**Escenaris - (TV <-> SERVIDOR <-> 2S)**

# HBBTV

- Vincle amb canal Broadcast
  - Cada canal apunta a una URL
- Technologies Web (W3C)
  - CE-HTML
  - JavaScript
  - CSS 2.1 perfil TV
- Reproductor VoD MP4





The screenshot displays the Amazon S3 Organizers3Fox plugin interface. At the top, the 'Manage Accounts' tab is selected, showing a list of accounts. The 'group20' account is highlighted, and a red box is drawn around it. A red arrow points from this box to the 'Edit ACL' option in the context menu. The context menu also includes options like 'Download', 'Manage Distributions', 'Get Pre-signed Urls', 'Copy URL to Clipboard', 'Copy Distribution URLs', 'Delete', and 'Create Directory'. Below the context menu, the 'S3 Account Preferences' dialog is open, showing the account name 'group20', access key 'AKIAI2C5RMXJBVXWK7EA', and a secret key. The 'Save' button is highlighted. In the bottom right corner, there is a 'Close' button.

**Manage Accounts** group20 Synchronize Folders AWS Import/Export Preferences

Browse

File Name File Size(KB) Mo...

File Name	File Size(KB)	Mo...
Thumbs.db	8	04/28...
index.html	2	05/01...
app.js	2	05/01...
.DS_Store	7	05/01...
style	0	04/28...
images	0	04/28...

/hackathonccma/group20/

File Name	File Size(KB)	Upload Time
Thumbs.db	8	04/30/2014 03:57 PM
index.html	2	04/30/2014 04:44 PM
app.js	2	04/30/2014 04:57 PM
style	0	04/30/2014 04:44 PM
lib	0	04/29/2014 11:10 PM
images	0	04/30/2014 04:44 PM
examples	0	04/30/2014 11:10 PM

Download  
Edit ACL  
Manage Distributions  
Get Pre-signed Urls  
Copy URL to Clipboard  
Copy Distribution URLs  
Delete  
Create Directory

**S3 Account Preferences**

Account Name: group20

Access Key: AKIAI2C5RMXJBVXWK7EA

Secret Key: .....

Save Remove Clear

hint: Press 'Clear' button to add a new account

Account Name

- group01
- group02
- group03
- group04
- group05
- group08
- group09

Close

Current Tasks:

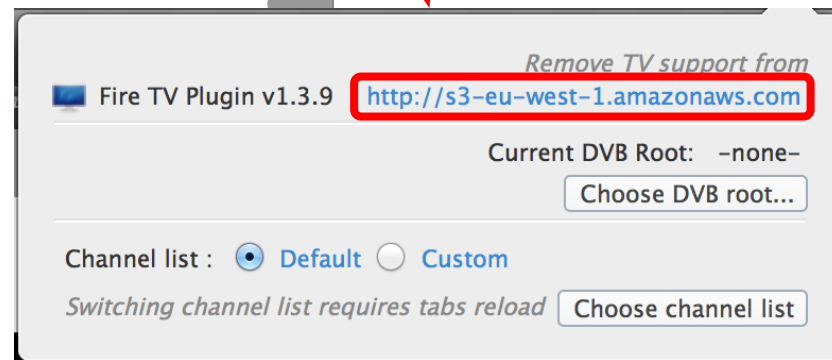
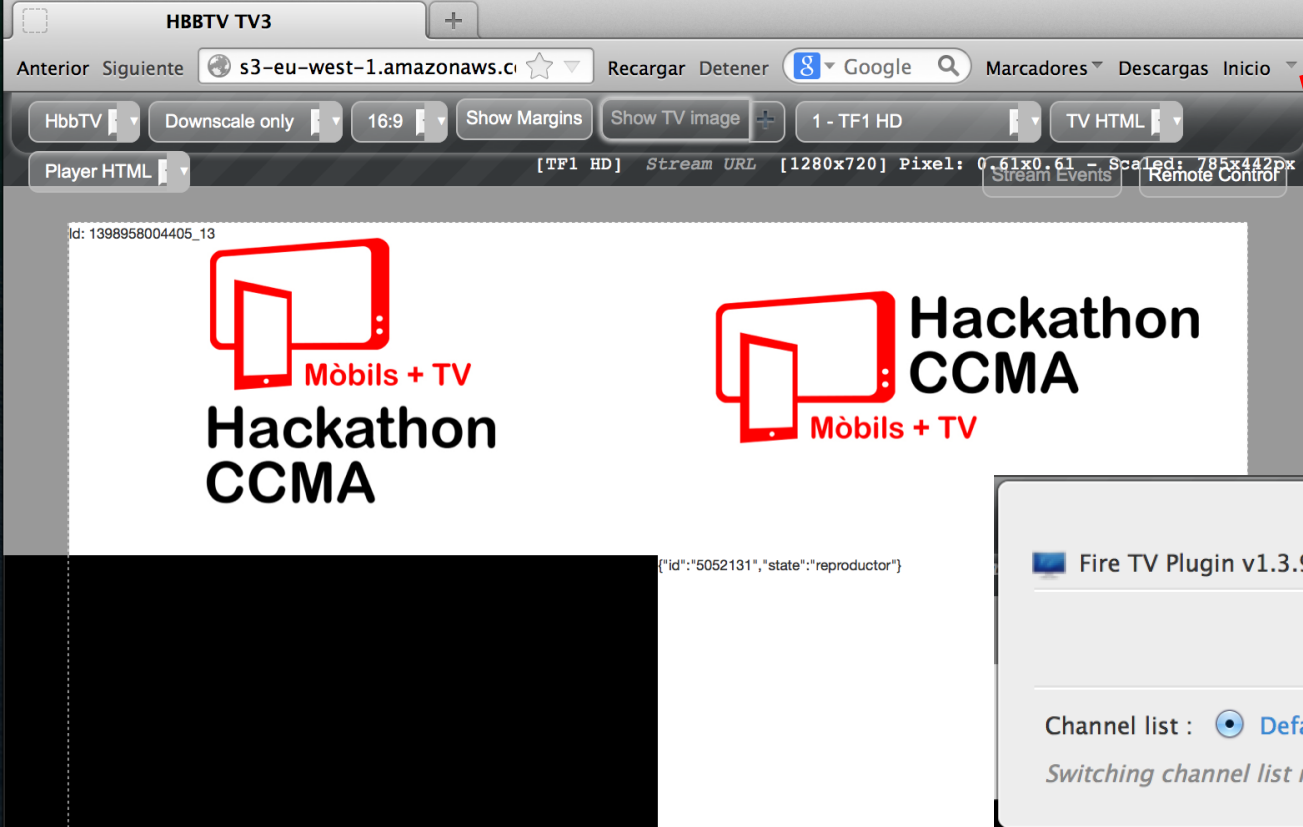
Regular Transfer Synchronized Folders T

Clear Pause Clear Completed

File Name	From	To	Type	Prog
-----------	------	----	------	------

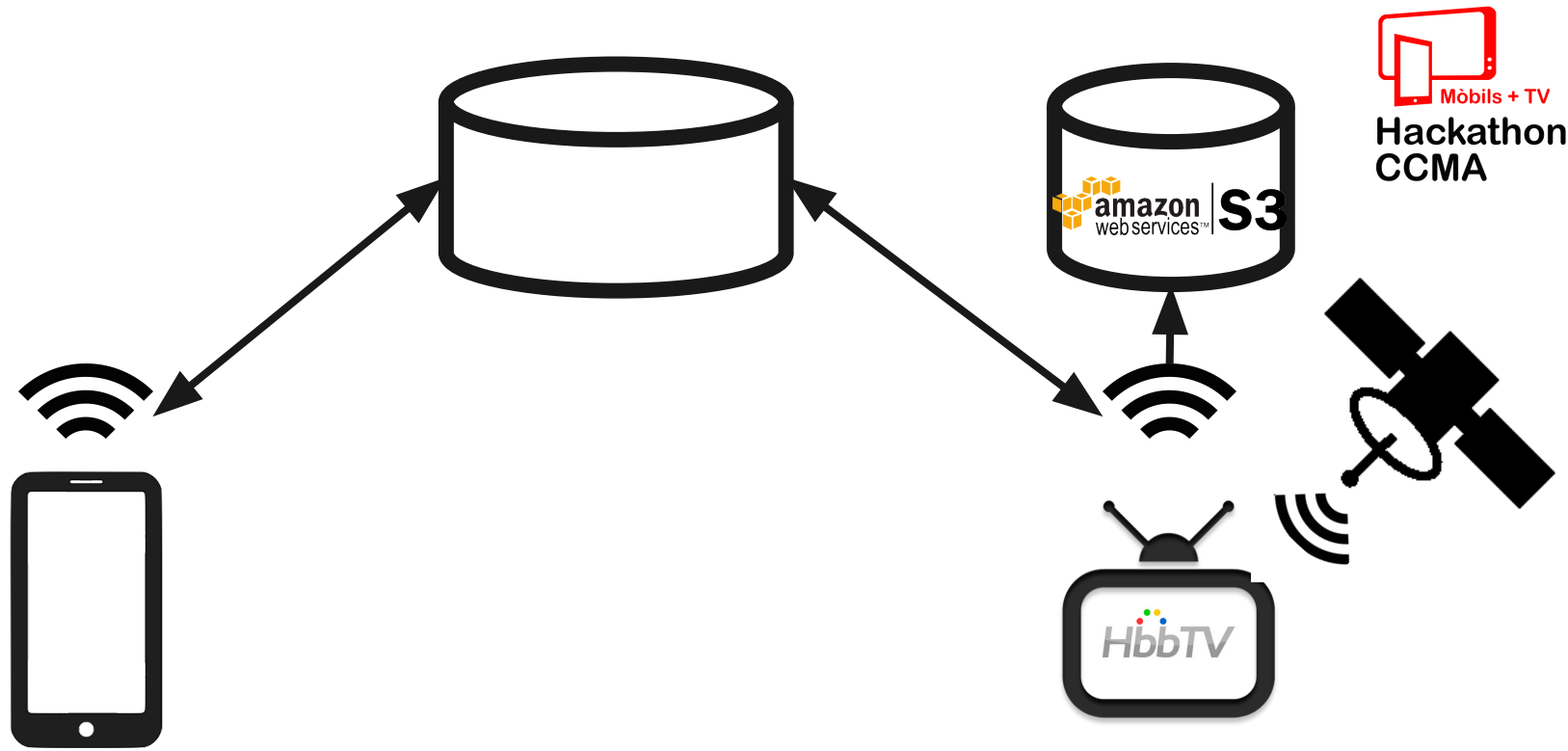
<https://addons.mozilla.org/ca/firefox/addon/amazon-s3-organizers3fox/>

## Configuració Plugin S3Fox per Amazon S3

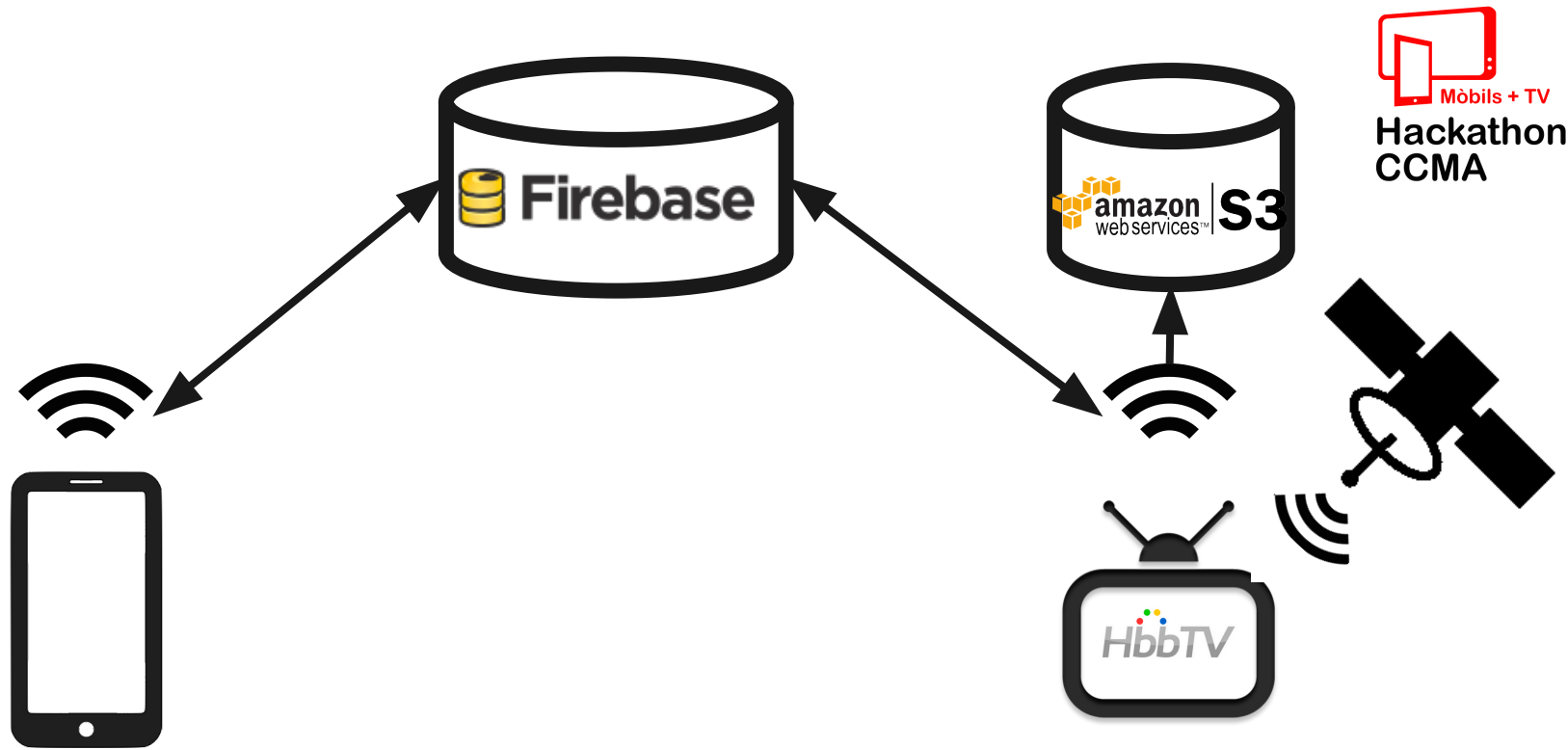


<https://addons.mozilla.org/es/firefox/addon/firehbbtv/>

## Configuració Plugin FireHbbtv



**Escenaris - (TV <-> SERVIDOR <-> 2S)**



**Escenaris - (TV <-> SERVIDOR <-> 2S)**

# Firebase

- Base de dades en temps real
- Llibreries per la majoria llenguatges
  - Android
  - iOS
  - Javascript
  - API Rest



```
1 //Hem creat una app de Firebase amb el nom hackathonccma
2 var baseUrl = "https://hackathonccma.firebaseio.com/";
3
4 //Modificarem el node indicat
5 var node = "test";
6
7 //Inicialitzem l'objecte Firebase indicant la URL
8 var fb = new Firebase(baseUrl+node);
9
10 //Escoltem si hi ha canvis
11 fb.on('value', function(snapshot) {
12     var value = snapshot.val();
13     alert(value.state + ' ' + value.msg);
14 });
15
16 //Podem canviar el valor de tot el node
17 fb.set({
18     'state': 'inici',
19     'msg': 'hola'
20 });
21
22 //O podem actualitzar un únic valor
23 fb.update({
24     'msg': 'mon'
25 });
```

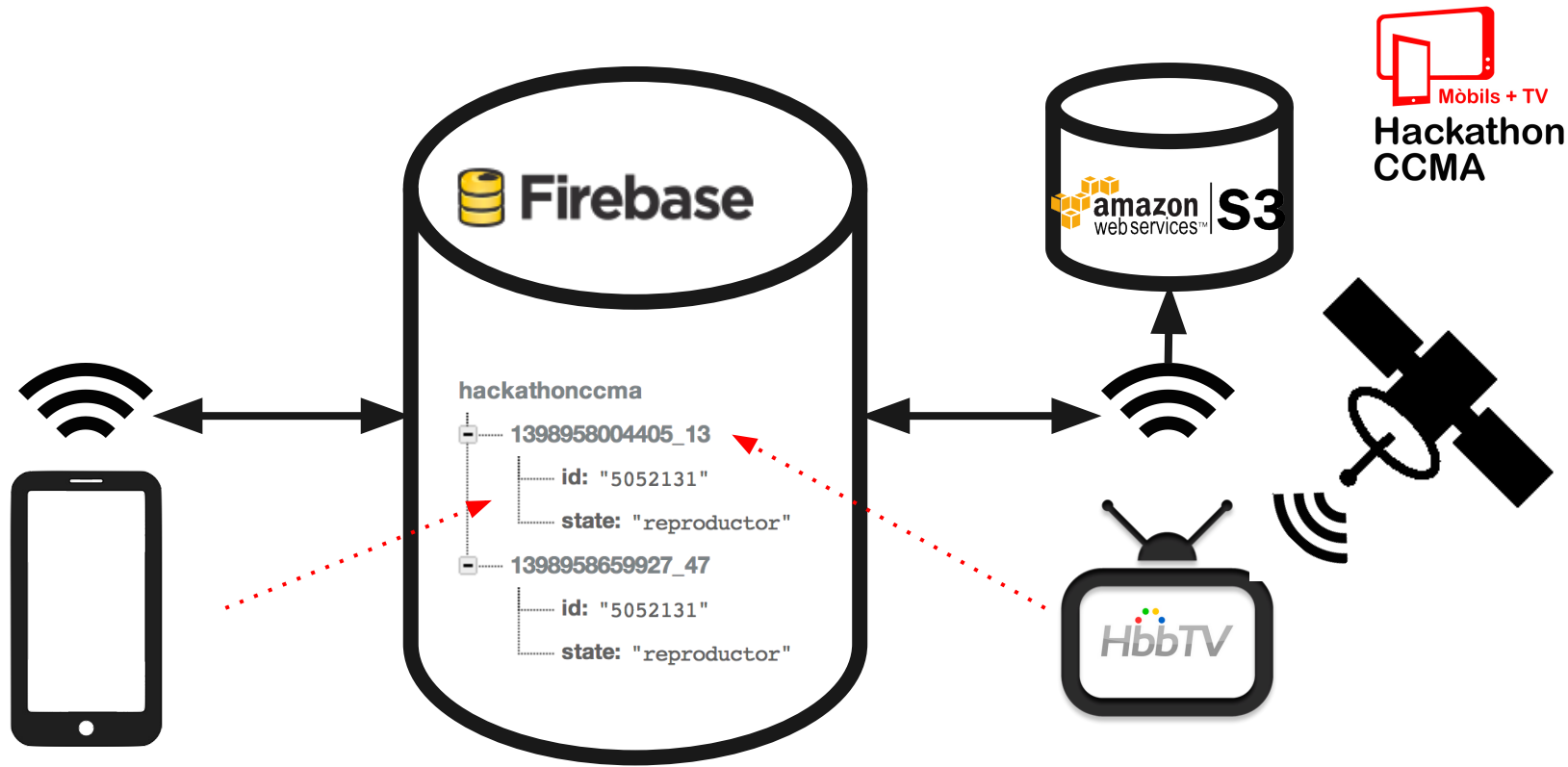
hackathonccma



test

```
├── msg: "hola"
└── state: "inici"
```

## Firestore - Exemple



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CCMA

**Escenaris - (TV <-> SERVIDOR <-> 2S)**

# API CCMA

- Catchup
  - Programes emesos els últims 15 dies
- Buscador de vídeo per nom
- Llistat de tots els programes de TV3
- Vídeos per programa
- Vídeo (MP4) per identificador



[http://54.187.159.87/catchup/\\$canal/\\$dia](http://54.187.159.87/catchup/$canal/$dia)

\$canal: Nom de canal

- TV3: CAD\_TV3
- 33: CAD\_33D
- Super3: CAD\_CS3
- Esport3: CAD\_ES3

\$dia: Dies enrere respecte el dia actual. Per exemple, avui és 0 i ahir 1.

<https://github.com/rbermudezg/hackathonCCMA/tree/master/CCMA/exemples/catchup>

**API CCMA - Catchup**

[http://54.187.159.87/buscador/\\$text](http://54.187.159.87/buscador/$text)

\$text: Text del vídeo que busquem.

<https://github.com/rbermudezg/hackathonCCMA/tree/master/CCMA/exemples/cercador>

**API CCMA - Buscador**

<http://54.187.159.87/programes>

[http://54.187.159.87/programes/\\$slug](http://54.187.159.87/programes/$slug)

\$slug: Títol del programa sense caràcters problemàtics extret del llistat de tots els programes. Per exemple, Diaris-de-vampirs.

<https://github.com/rbermudezg/hackathonCCMA/tree/master/CCMA/exemples/programa>

**API CCMA - Tots els programes i videos per programa**

[http://54.187.159.87/video/\\$id](http://54.187.159.87/video/$id)

\$id: Identificador únic del vídeo extret dels llistats anteriors.

<https://github.com/rbermudezg/hackathonCCMA/tree/master/CCMA/exemples/video>

## API CCMA - Vídeo per identificador

# Moltes gràcies!

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Twitter: @r\_bermudezg