

Cocoaheads Aachen Vortrag  
2017-07-27

Dashboard App für tvOS

Jochen Karl [jkarl@aixapp.de](mailto:jkarl@aixapp.de)

Slides

Hinweis:

Die Server Adressen / APIs stehen nicht mehr zur Verfügung.

Homepage Hersteller: <https://anyboard.io/>

Hinweis von Michael Ochs:

Da die tvOS App anyboard.io ein Update des Konfiguration-Files nicht erkennt liegt evtl. an den Web Server Einstellungen (hier Apache), einfach cachen von json – files per .htaccess deaktivieren:

z.B.

<https://stackoverflow.com/questions/11532636/how-to-prevent-http-file-caching-in-apache-httpd-mamp>

JK, Juli 2017

# AnyBoard.io

A N Y  B O A R D

*DEMO*

# features

- [https://www.nagios.org/ support](https://www.nagios.org/support)
- JSON files to setup and populate
- SSL

https - Server

nagios

JSON

REST

FTP

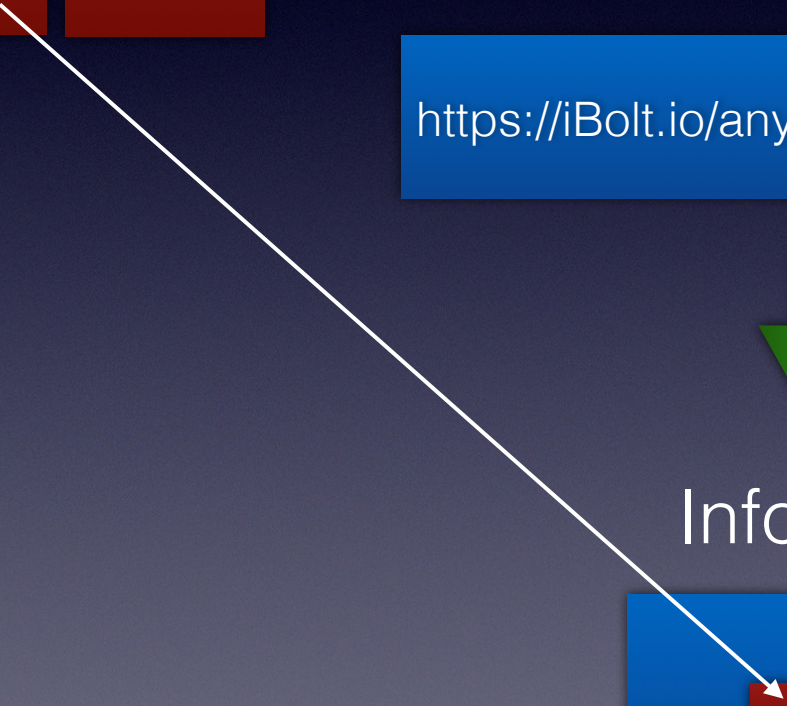
tvOS

ANY BOARD

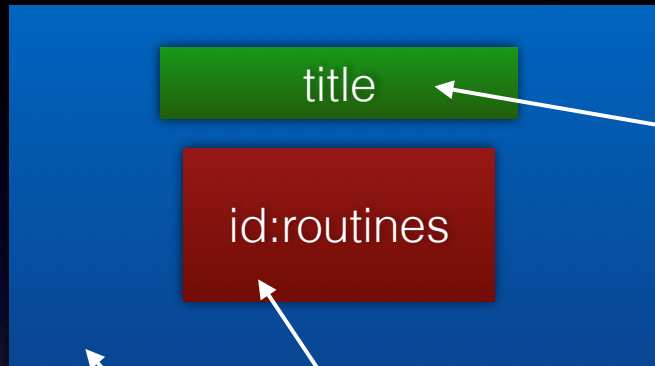
<https://iBolt.io/anyboard.io/ibolt5.json>



Info Tile



# Info Tile



```
{  
  "id":"routines",  
  "basic":{  
    "title":"Routines"  
  }  
},
```

```
{  
  "procedures":{  
    "value":10,  
    "progress":10,  
    "background":"warning"  
  },  
  "routines":{  
    "value":"70",  
    "background":"danger"  
  }  
}
```

# data source

```
{
  "name": "aixApp.com",
  "sources": [
    {
      "auth": "none",
      "name": "Source A",
      "endpoints": [
        {
          "id": "ibolt-source",
          "url": "https://ibolt.io/anyboard.io/data.json"
        },
        {
          "id": "ibolt2-source",
          "url": "https://ibolt.io/api/data"
        }
      ]
    }
  ],
  "dashboards": [
```

# dashboard

```
{
  "name":"TEST",
  "color":"active",
  "source":{
    "endpoint":"ibolt2-source",
    "refresh":1
  },
  "actions":{
    "sound":"sound = true",
  },
  "widgets":[
    {
      "width":1,
      "background":"",
      "image":{
        "url":"https://ibolt.io/anyboard.io/default-logo.png"
        "basic":{
          "title":"iBolt.io",
          "value":"Status: OK",
          "subtitle":"Operation and Maintenance Center"
        }
      }
    }
  ],
}
```



# Coding

- Server Side NodeJS Express REST API
- iOS

# API

```
var express = require('express')
var app = express()
var my_data = 0
...
app.get('/data', function (req, res) {
  ...
  res.json({"procedures": {"value": value,
                           "progress": value,
                           "background": status
                          },
           "routines": {
             "value": my_data,
             "background": "danger"
           }
          })
  ...
app.get('/datas/:my_data', function (req, res) {
  my_data = req.params["my_data"];
  res.send("req: " + my_data)
})
...
app.listen(3000)
```

# iOS

```
@IBAction func slider_changed(_ sender: Any) {  
    let value = NSInteger((sender as! UISlider).value * 100)  
    print(value)  
    label.text = String(value)  
    let url = URL(string: "https://ibolt.io/api/datas/\(value)")  
    let task = URLSession.shared.dataTask(with: url!) { (data, response,  
error) in  
        // do nothing  
    };  
    task.resume();  
}
```

- + easy to setup
- + quick results
- + looks great

- - Update JSON file
- - child windows
- - docu via def table
- - support
- - simulator

ty