

MEAPs meet the cloud

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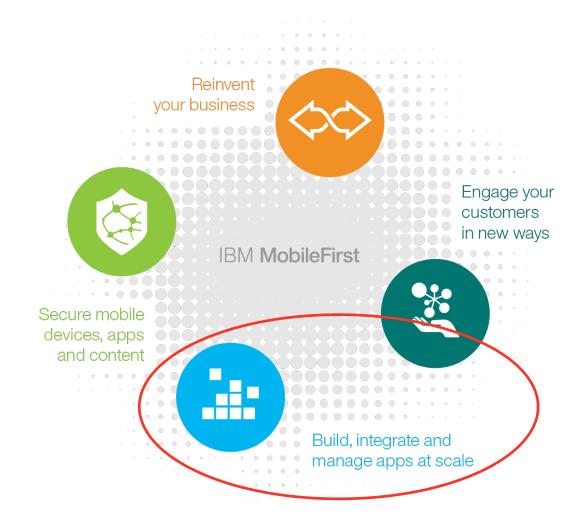
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What does IBM mean by MobileFirst?





Building an app can be pretty easy.

```
// list everything in Mongo
 app.get('/audits', auth, function(req, res){
        // Dead simple, just pull back all the records we have in mongo
         mongodb.MongoClient.connect(mongo.uri, function(err,db) {
                        console.error("Problem: "+err);
                        res.send("Error!");
                var collection = db.collection('easyFiddle');
                collection.find().toArray(function (err,items) {
                        if (err) {return console.dir(err);}
                        // Get the items and stick into a JSON structure
                       var result = { queryItems: items };
                        res.json(result);
                       // fin
               });
        });
});
```



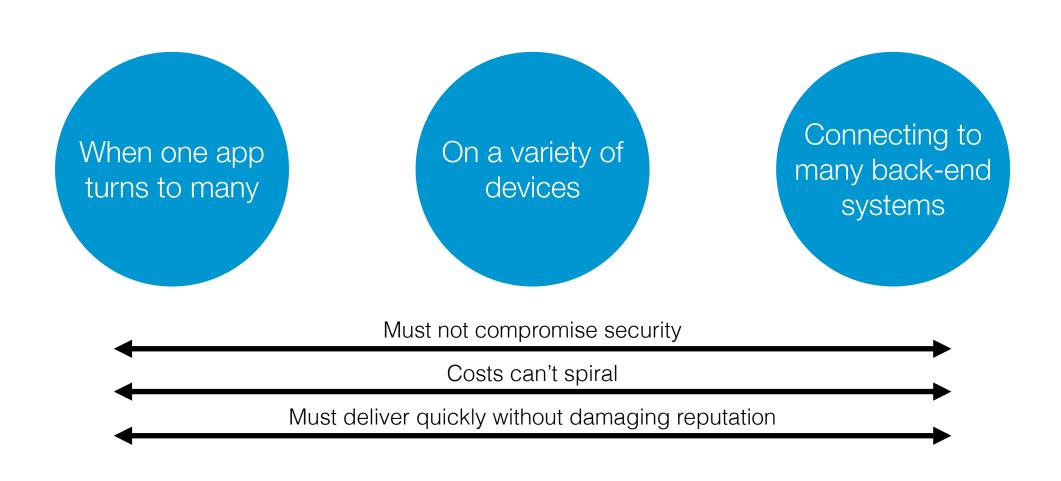
Build the UI

Create or reuse a REST endpoint

Stand up a supporting database



But in an enterprise context this can get pretty complex, fast.





Introducing the Mobile Enterprise Application Platform.

Developer SDKs and tools

Help developers be productive

Device vendor abstractions

Reuse where possible across device platforms

Integration Framework and APIs

Expose reusable services in a mobile-ready way

Access Control

Enforce consistent user access rights

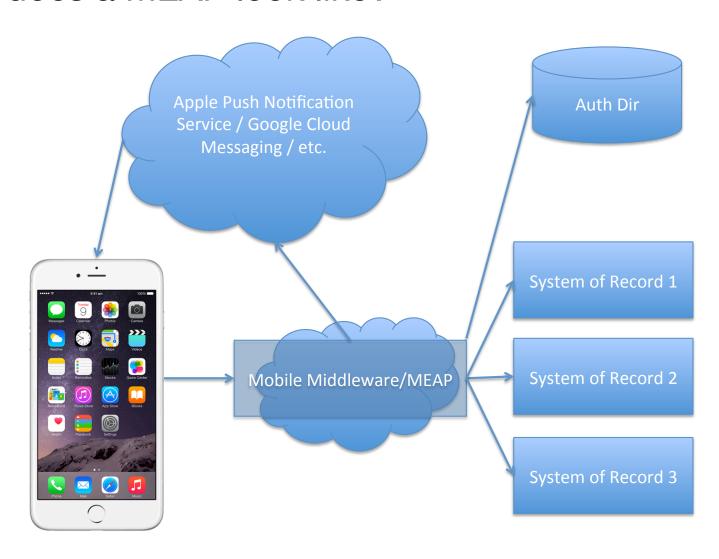
Scalable gateway

Control routes into the Enterprise

Management information

Understand the benefits and refine the approach

So what does a MEAP look like?



So what is IBM MobileFirst Platform?





In 2012, IBM adopted a small company called Worklight to become IBM's MEAP technology.

We renamed IBM Worklight to IBM MobileFirst Platform in 2014 to more closely fit where mobile was going.

Traditionally, folks deployed this on-premise or on laaS (e.g. Softlayer, Amazon EC2).

Used by 100s of customers for 1000s of apps.



IBM MobileFirst Platform is a MEAP

Developer SDKs and tools

Provide Eclipse IDEs and Command-Line tools

Device vendor abstractions

Provide more abstractions on top of Cordova

Integration Framework and APIs

Provide JavaScript and Java (JAX-RS) Adapters

Access Control

Provide OAuth-based security model

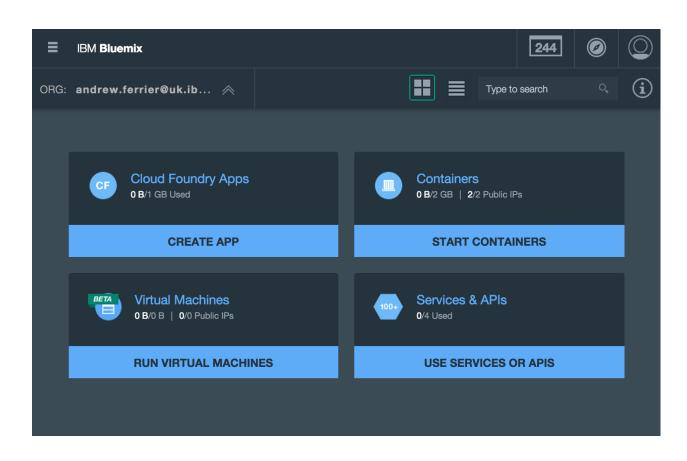
Scalable gateway

Single endpoint for all integration, app updates, etc.

Management information

A comprehensive Operational Analytics platform

Bluemix is IBM's Developer-Centric PaaS Platform



- Non-proprietary built on Cloud Foundry
- Exploits open-source technology - e.g. NodeJS
- Get started for free

Bluemix has almost 100 services waiting for you...



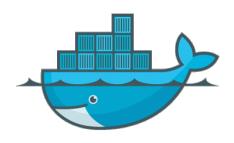








IBM Containers is "Docker on Bluemix"



Docker provides a way to *containerise* software.

Docker virtualizes some aspects of a running process, in a way that makes you think it's a virtual machine, but it isn't (mostly).

IBM provides an implementation of this in Bluemix called **IBM Containers**.

Bluemix provides both a registry and a runtime engine for containers.

So now we're bringing all these together...

- Some MobileFirst capability for early adopters in Bluemix with the IBM MobileFirst Platform Services on BlueMix.
- But now, IBM is making available IBM
 MobileFirst Platform Foundation on IBM
 Containers on Bluemix (say that ten times fast!)

Maybe this is all a bit much ... let's show you.

You can try this yourself...

https://ibm.biz/BdXNwc