

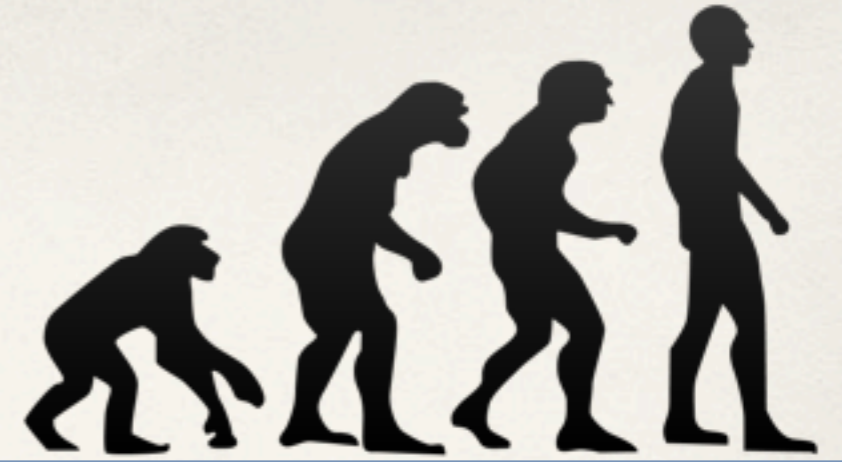


Server-less Apps

DenverJS

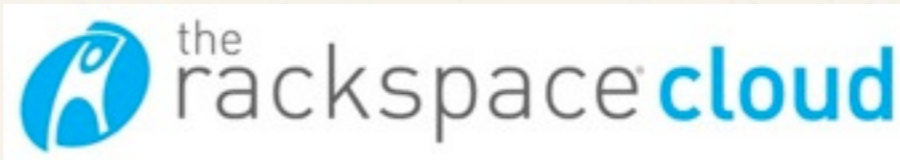
February 4, 2013

Evolution



- ❖ Real Machines

- ❖ Virtual Machines



- ❖ "PaaS"



- ❖ What next?

- ❖ "BaaS"



What is server-less?

- ❖ There's a server somewhere, you just don't have to worry about it
- ❖ Pushing as much computation as possible to the client & Outsourcing all the heavy stuff to people who do it well



Why?



Designer



Engineer

*All problems in computer science can be solved by another level of abstraction
~Anonymous*


But wait!



- ❖ If all the code is on the client, how can it be secure?
- ❖ Security has been the biggest hurdle to truly making apps server-less
- ❖ Easier to pull off with compiled code, but still not secure



```
/* psuedo code, obviously */  
buf = malloc(N);  
memcpy(buf, "secretkey", strlen("secretkey"));  
/* some functions that talk to the api server and do other stuff */  
free(buf);
```

Chain of trust

- ❖ You trust  **Firestore** who trusts mozilla **Persona**
- ❖ Client logs on with Persona, proves who they are to Firestore
- ❖ You configure your security rules with Firestore



Firebase

- ❖ A scalable real-time backend for your web app
- ❖ It's like  **Dropbox** for  JSON
- ❖ You serve static files for your app, all your logic is in JS
- ❖ Easier to scale, faster to build!



<https://github.com/firebase/myfavoritebeer>