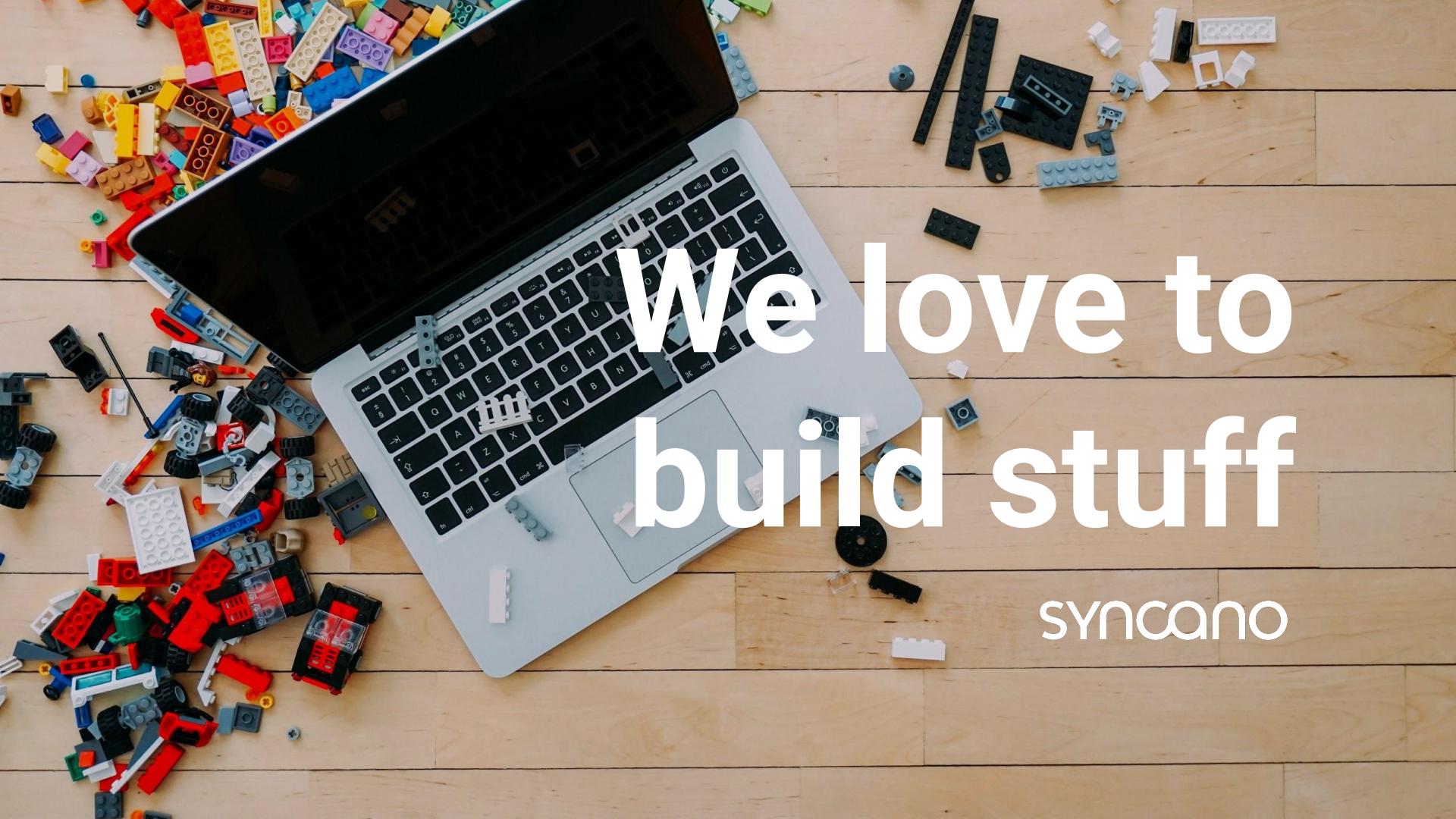


Hurtig programvareutvikling som konkurransefortrinn



Bergen 10. October 2017

A top-down photograph of a light-colored laptop keyboard resting on a light-colored wooden surface. The keyboard is partially covered by numerous colorful LEGO bricks of various shapes and colors, including red, yellow, blue, green, and black. Some small LEGO figures are also scattered around the keyboard. The overall theme is a blend of technology and childhood play.

We love to build stuff

syncano

A close-up portrait of Nikolai Fasting, a middle-aged man with light brown hair and a well-groomed grey beard and mustache. He is smiling warmly at the camera. He is wearing a dark blue, possibly corduroy, t-shirt. The background is a solid, dark grey.

Nikolai Fasting

CEO & Founder of Syncano

Digital Explorer

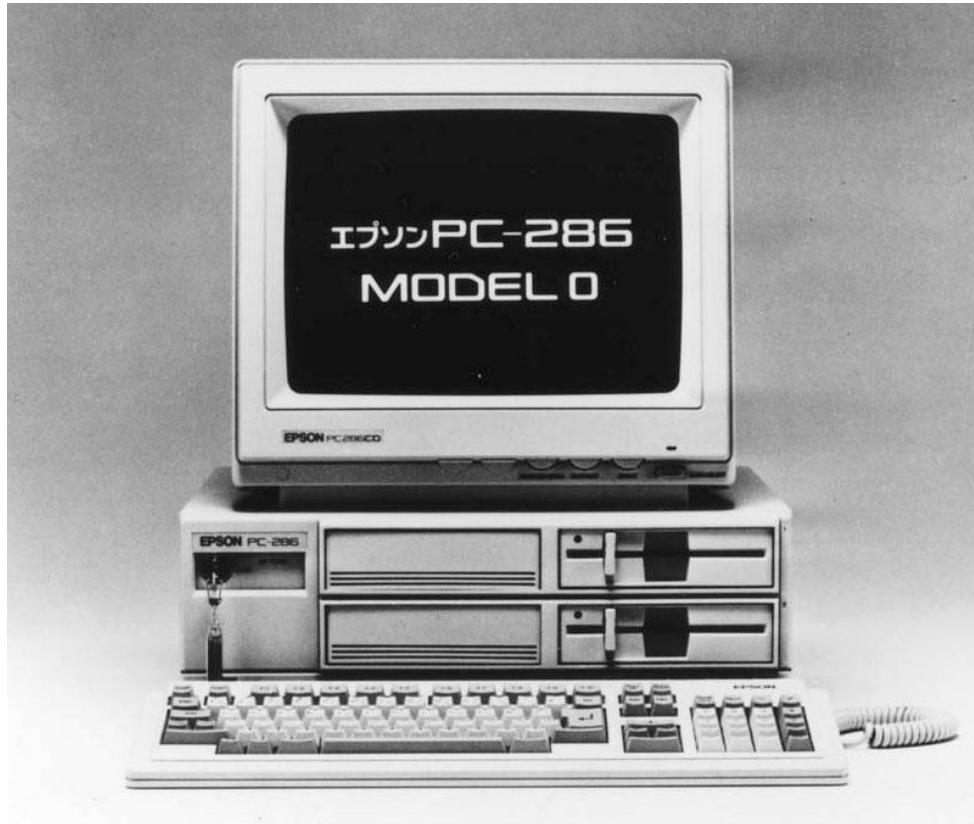


Maciej Kucharcz

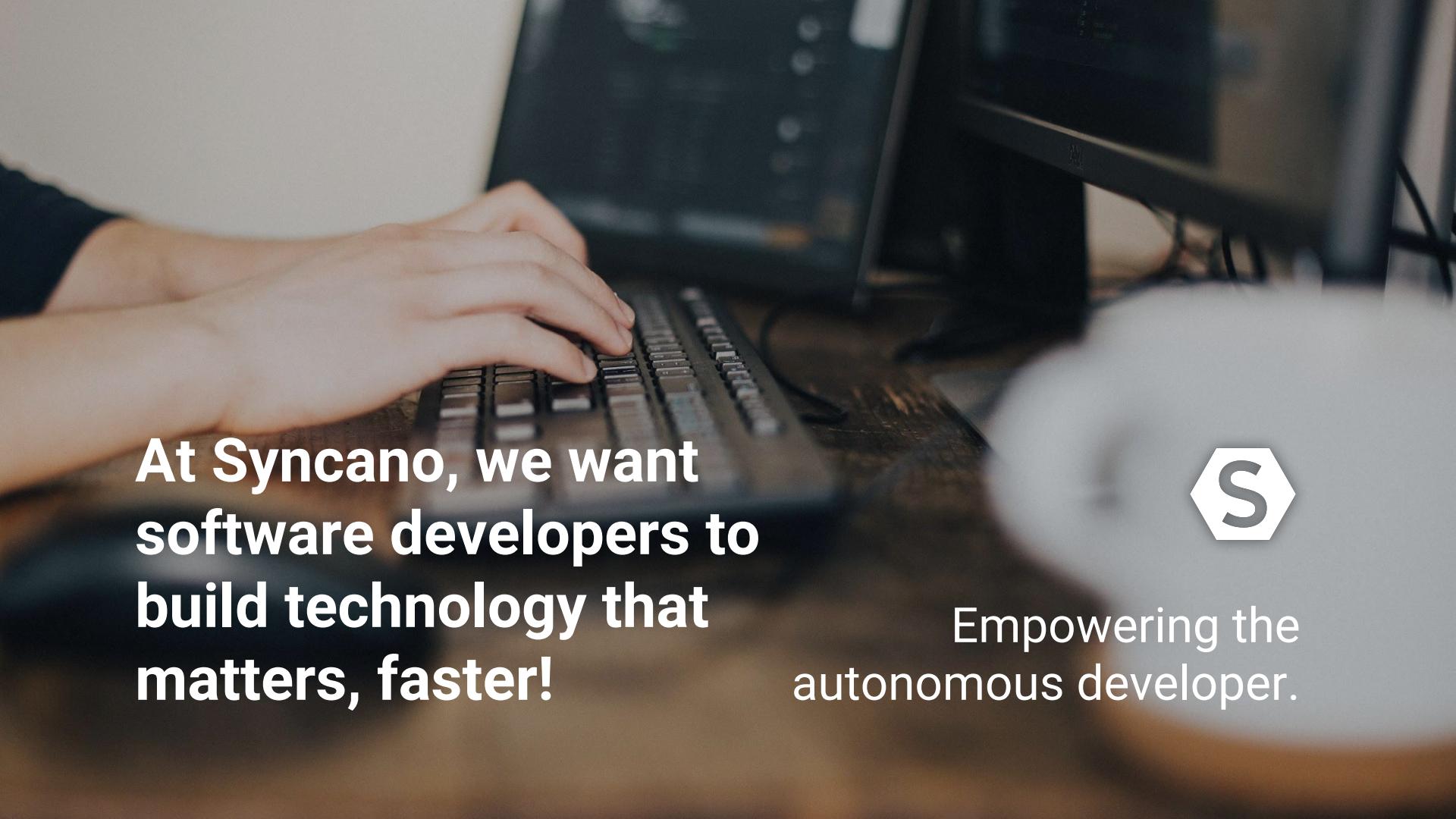
Head of Engineering

- ★ 15 years of experience in building software
- ★ Unix systems administrator
- ★ Strong IT security background
- ★ Full-stack developer (JavaScript, Python)







A close-up, slightly blurred photograph of a person's hands typing on a black computer keyboard. The background shows a blurred office environment with other desks and monitors.

**At Syncano, we want
software developers to
build technology that
matters, faster!**



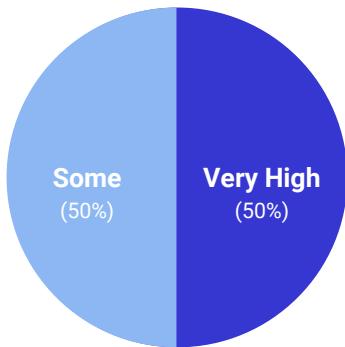
Empowering the
autonomous developer.

How can we improve IT development in your opinion?

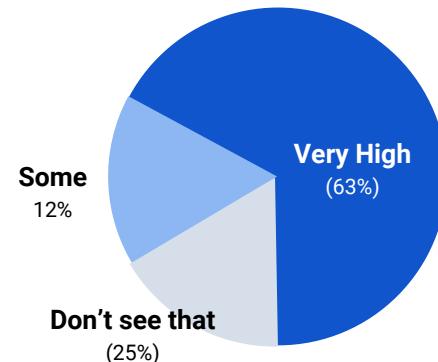
In which areas do you see most potential for improvement in IT development.



Ability to reuse code
and modules more
efficiently across
projects



Better high level
development and
automation tools and
more use of such tools



Apply machine
learning and AI in
software development

**How much can it take to have fully
working Facebook chat bot app?**



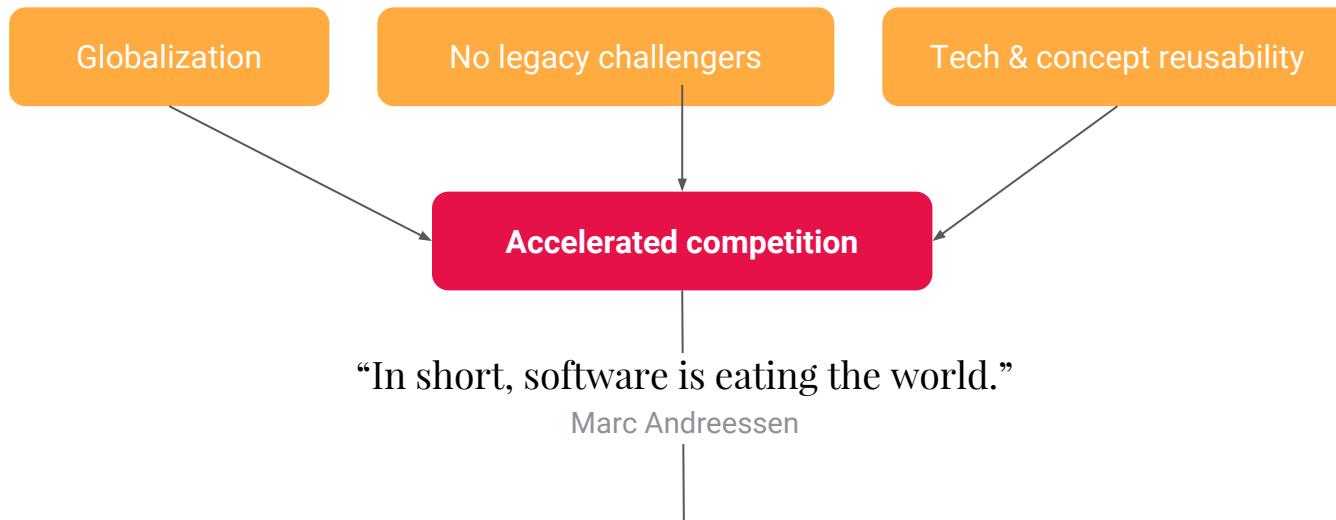
?

How much can it take to have fully working Facebook chat bot app?

```
project synced: 20:32:07 2153 ms
socket in sync: 20:32:08 giphy 1256 ms
socket in sync: 20:32:08 glue 1257 ms
socket in sync: 20:32:09 google-translate 1560 ms
socket in sync: 20:32:09 messenger-bot 1562 ms
socket in sync: 20:32:09 openweathermap 1974 ms
```

```
s deploy 6,02s user 1,32s system 90% cpu 8.085 total
```

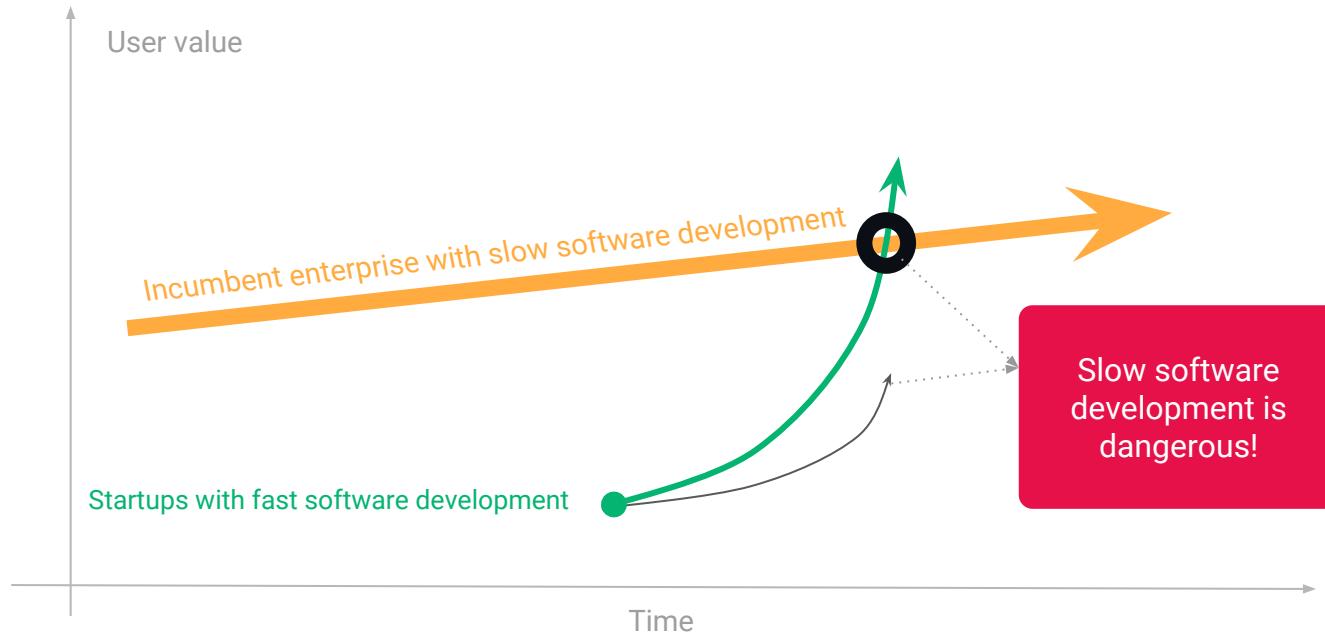
Key challenges for digital transition



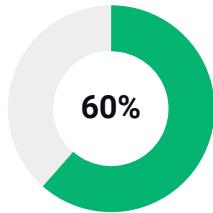
Accelerated software development is critical!



Time is the ultimate limited resource for enterprises and startups alike



Enterprises know they have to change



Investing financially in their disruptive strategy

Partnership models, including rivals and peers, are helping firms address disruption



Formed strategic alliances



Partnered with a player in different industry



Engaged with disruptive start-ups in corporate ventures



Syncano is a framework for supporting experimentation, cooperation and Open Innovation

Blockchain crowdfunding platform for DNB



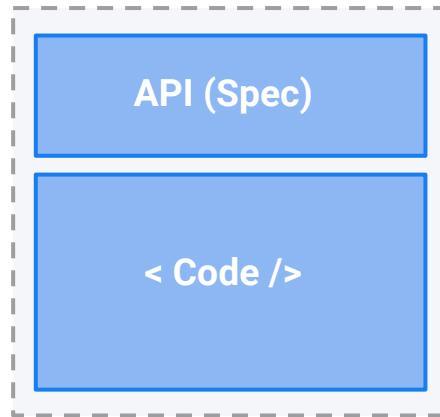
February 2017

Syncano Sockets - Microservices concept

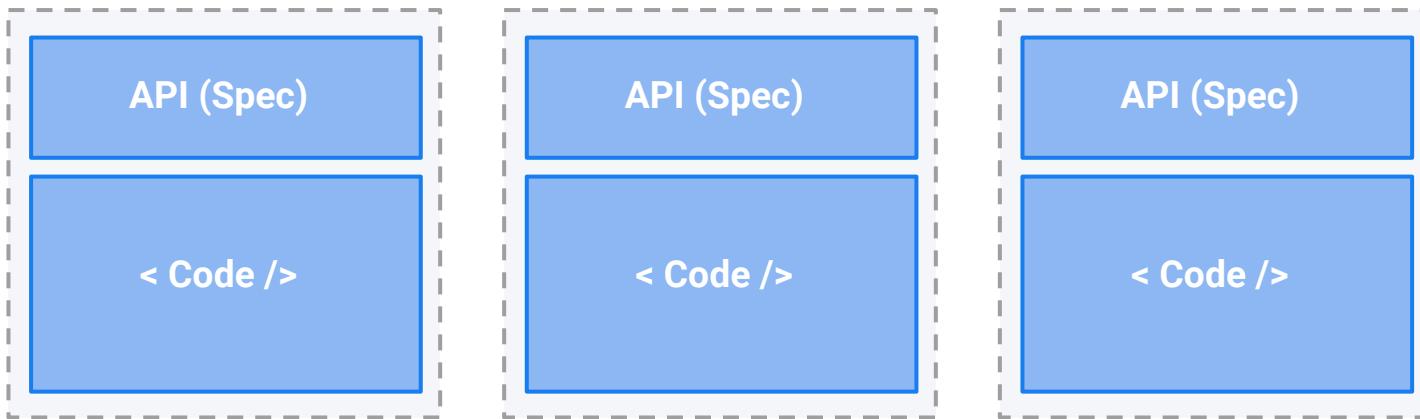
D on't
R epeat
Y ourself

K eep
I t
S imple,
S tupid!

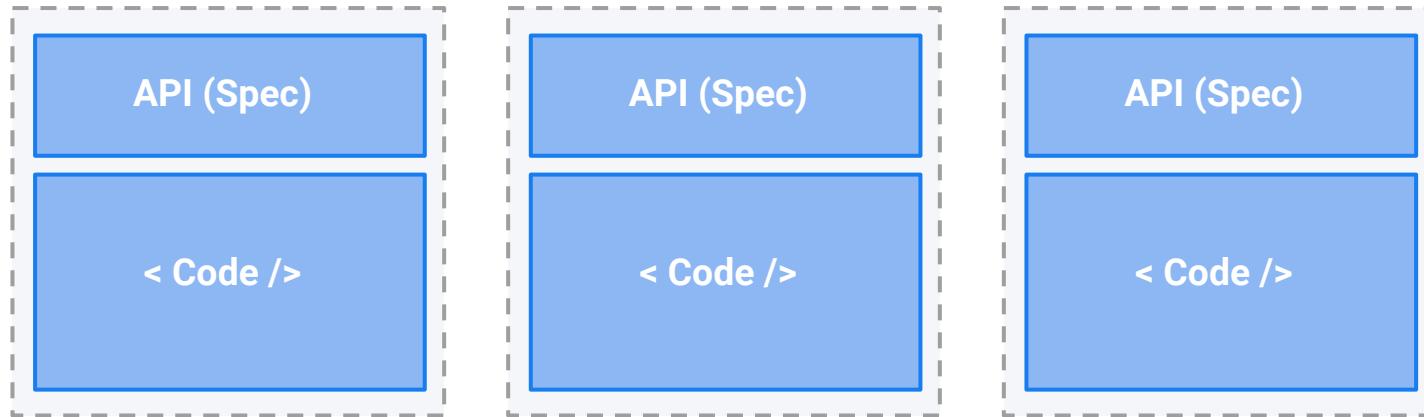
Syncano Sockets - Microservices concept



Syncano Sockets - Microservices concept



Syncano Sockets - Microservices concept



How to innovate fast?



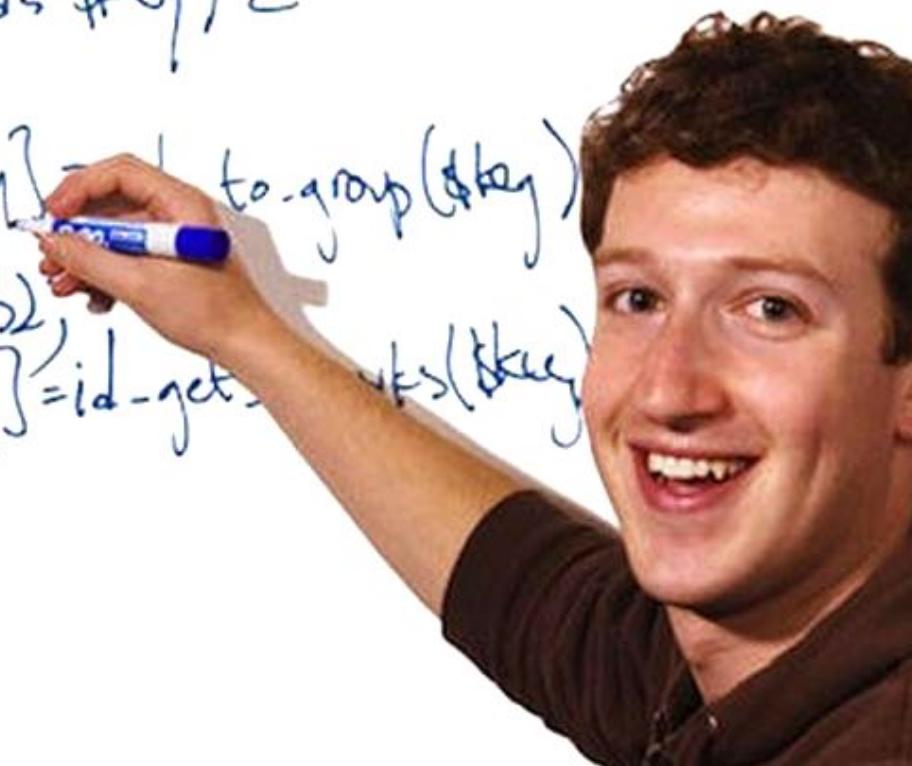
Born right
the first
time

When in Doubt, Iterate Faster!

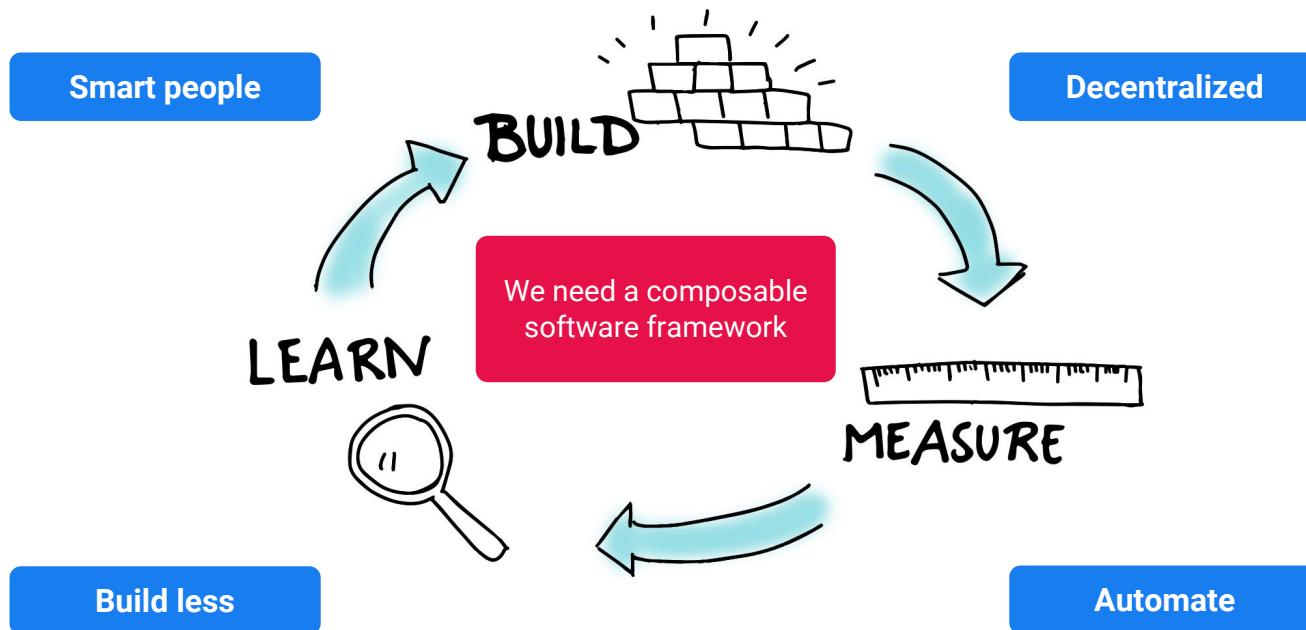
“Move Fast and
Break Things.”

Increasing
iteration speed
is hard!

```
foreach($keys as $key) {  
    $key++;  
    $group[$key] = id-to-group($key);  
    $key << 32;  
    $group[$key] = id-get-keys($key);  
}
```



How to iterate faster!



**Reusing
software code
still takes too
much effort
and over time,
mostly fails!**

Incompatible
software
components are
manually glued,
maintained &
operated.



Need for a composable software framework

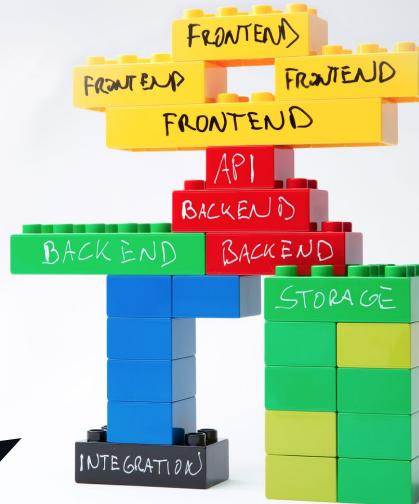
Syncano Socket

LEGO for reusable code. Loosely coupled. Cohesive. Composable.



Syncano Socket Registry

of reusable code built by the community



Reconfigure and deploy
instantaneously

Assembled from the
frontend IDE,
automatically deployed
in the backend

Describe what you want to get, then build it
(or ask someone else to do it).

YAML, creating Syncano Socket, 🔥 hot deploy



```
socket: hello_world
description: Description of hello_world
version: 0.0.1
type: local Socket
status: ok

endpoint: hello_world/hello
description: Hello world!
url: https://nameless-darkness-3953.syncano.space/hello_world/hello/

params:
  name: firstname
  description: First name of the person you want to greet
  example: Tyler

  name: lastname
  description: Last name of the person you want to greet
  example: Durden

response: application/json
```

Hosting, Database

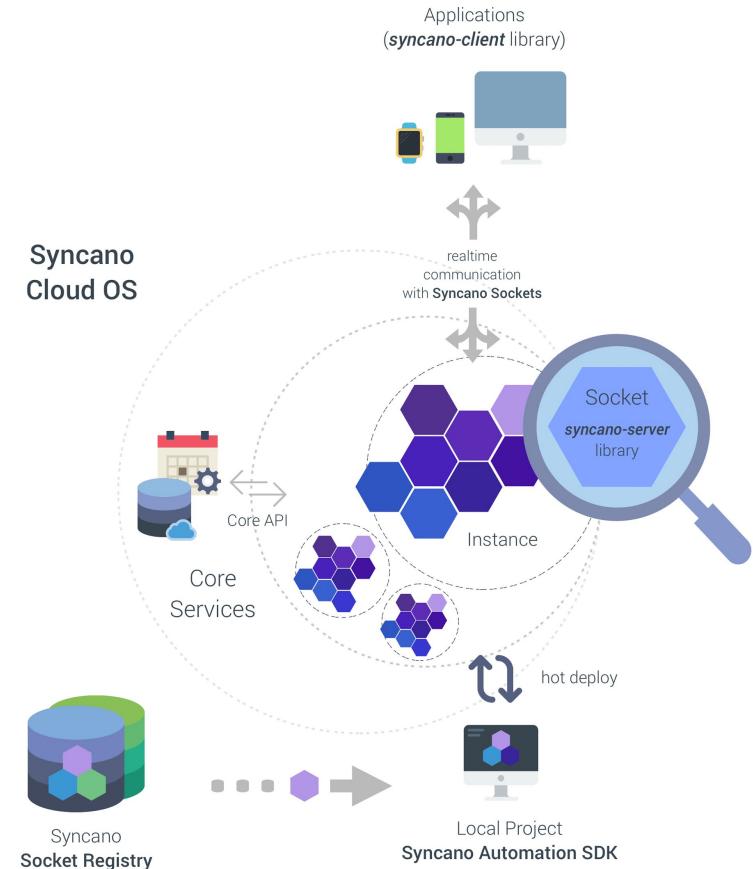
```
  data.books.create({title})  
    .then(() => {  
      return data.books.fields('title').list()  
    })  
    .then((books) => {  
      console.log('books', books)  
    })  
  
```

Syncano Platform

- Open Source Toolkit
- Open Innovation Ready
- Core Services
(Database, Users, Hosting and more)

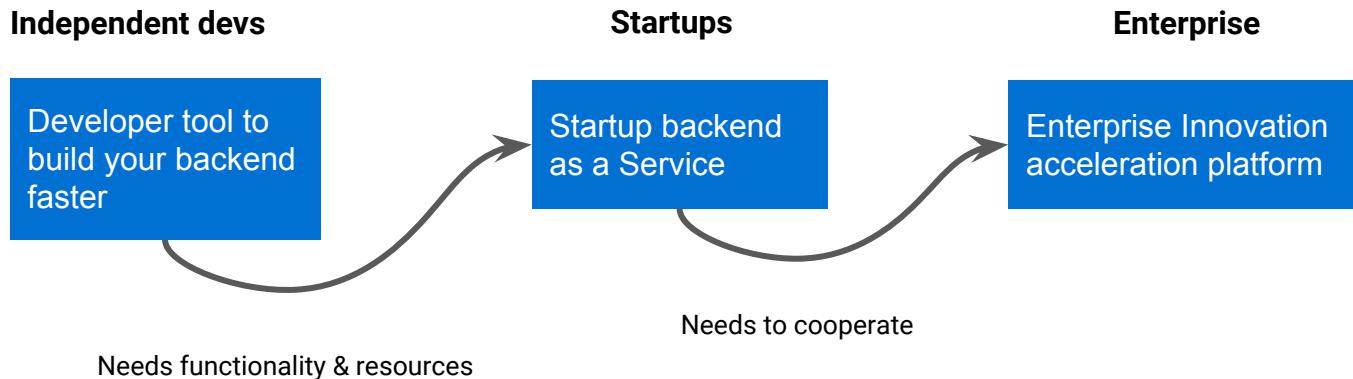
Roadmap

- Syncano Sockets Marketplace
- Deep integration with IDEs and Front-End Frameworks
- Community crowd sourcing platform

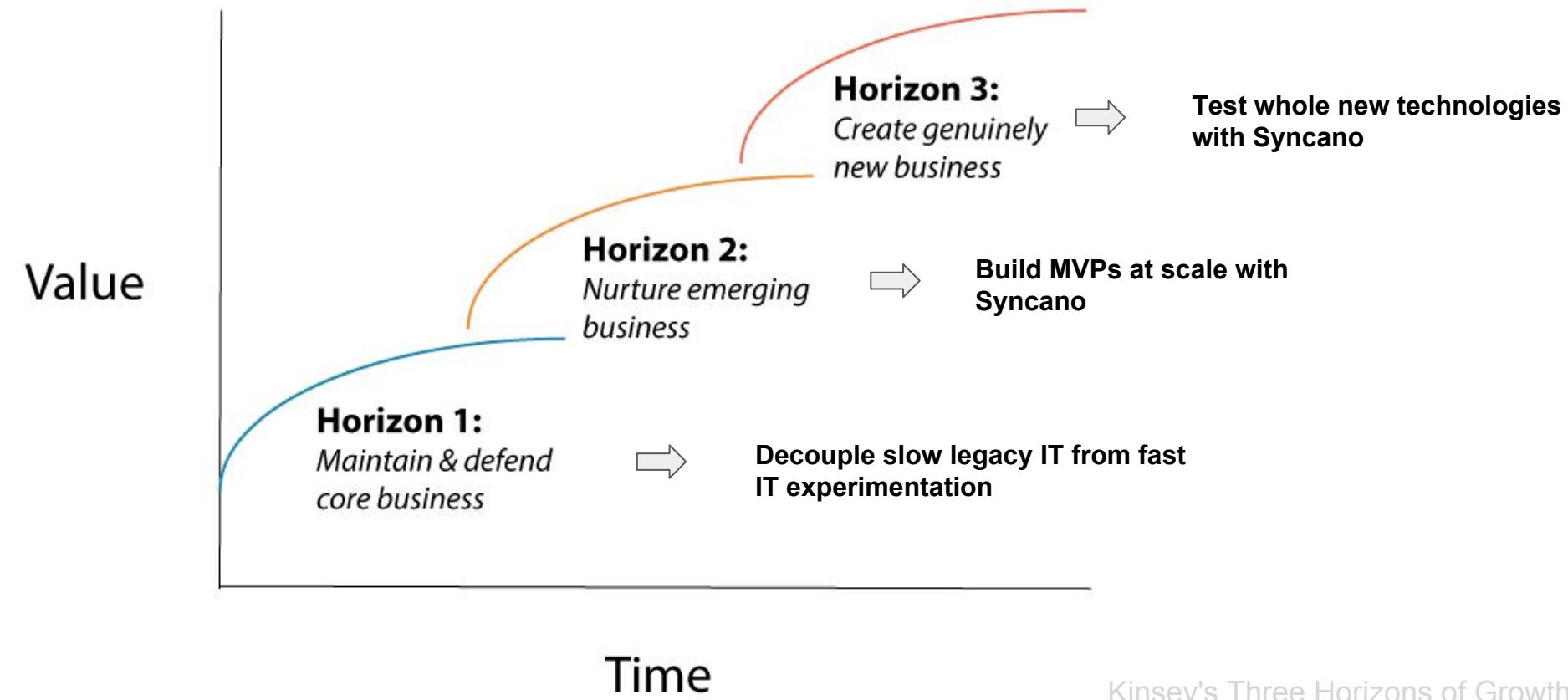


Accelerate software development/minimize IT operations

Syncano operationalizes this value chain:



How to enable an innovation culture?



```
npm install -g yarn  
npm install -g syncano-cli@beta
```

```
mkdir my_project && cd  
my_project  
s init  
s deploy  
s list
```

Thank you!



Front End development frameworks

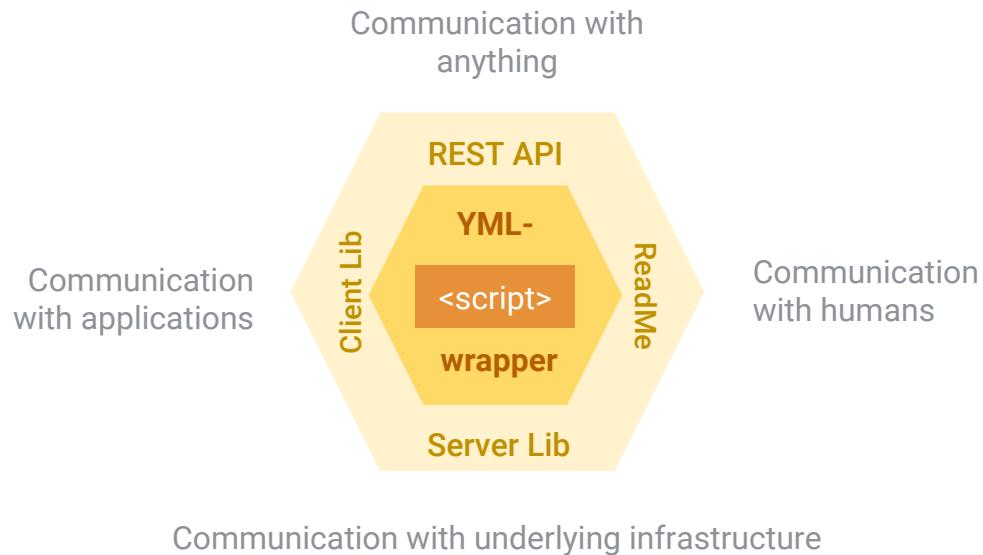
Syncano

Infrastructure as a service

Registry of Syncano Sockets

Providing a composable backend by standardizing reusable code

The anatomy of a Syncano Socket

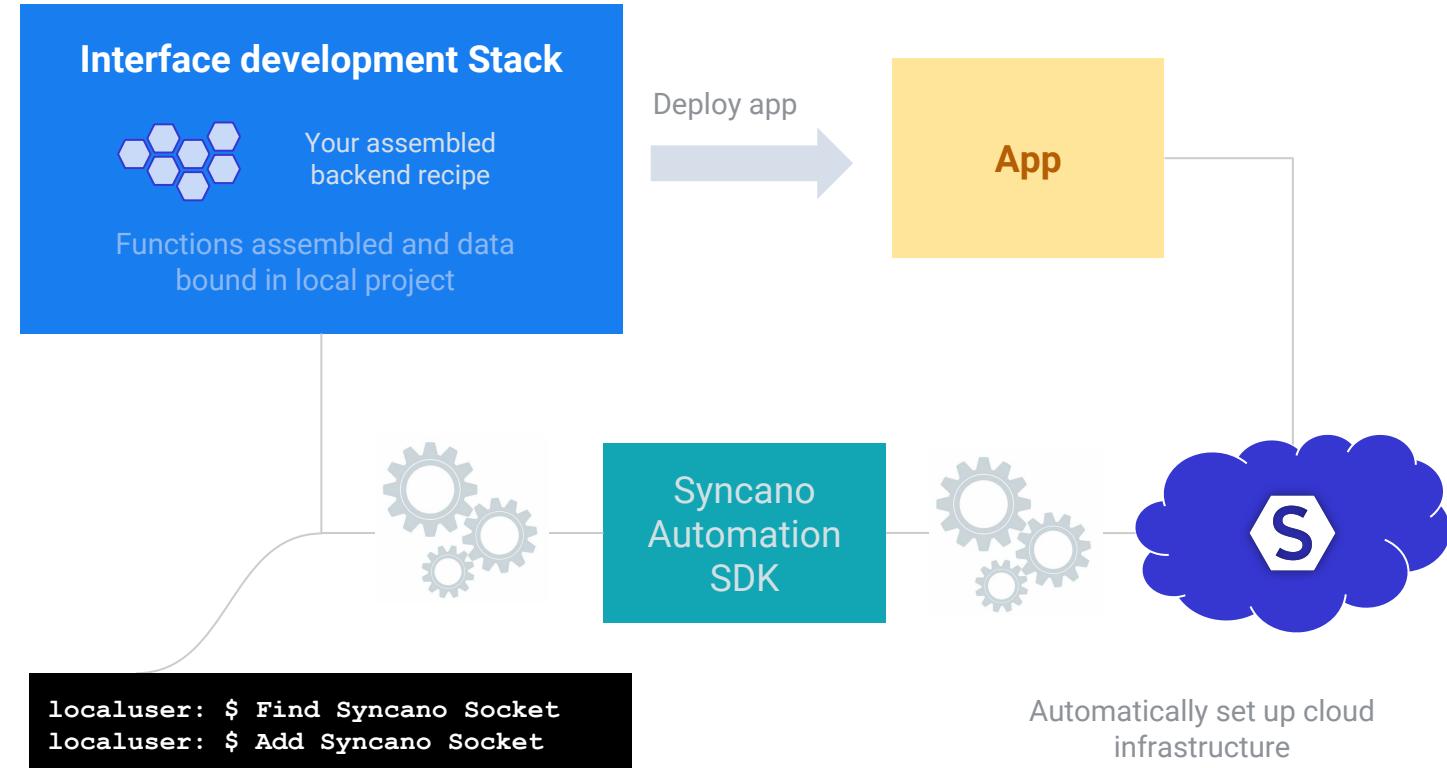


Sockets Registry



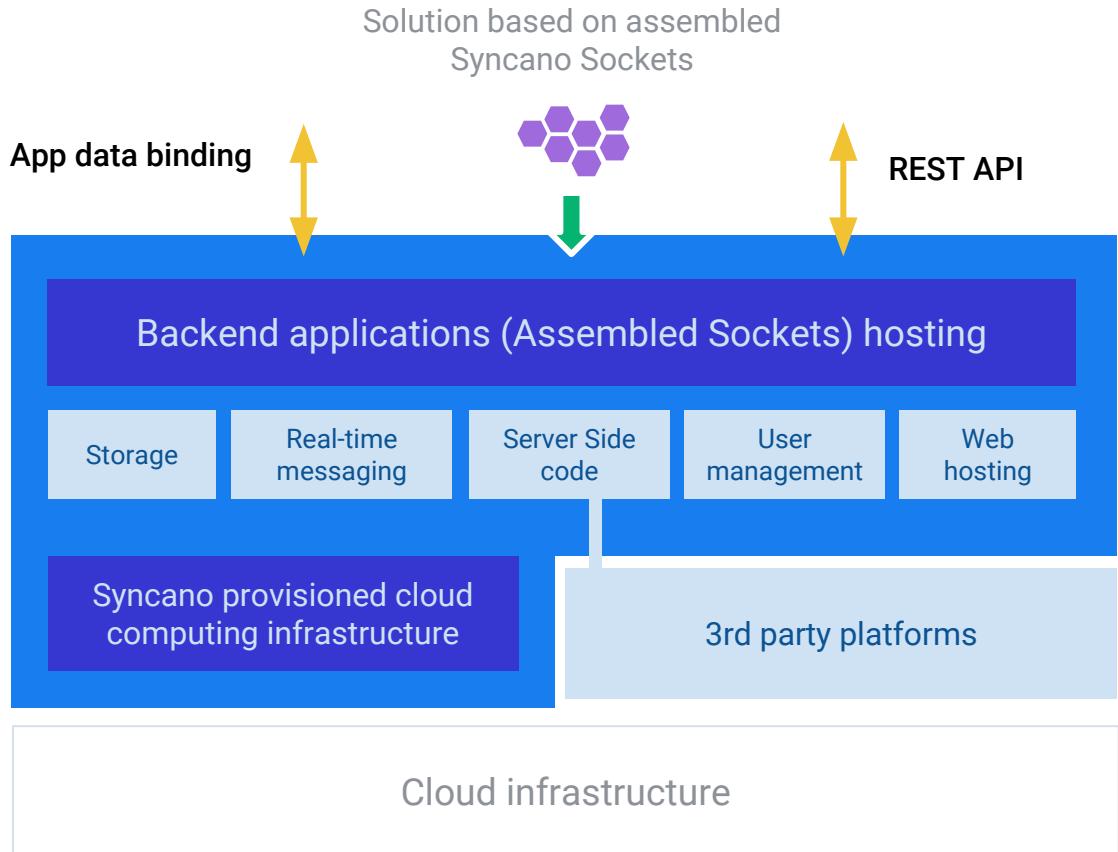
Syncano Automation SDK

Automated deployment and data binding



Syncano Cloud OS

Automated hosting
for Syncano Sockets



Slide about storyline (just for info, will be deleted)

1. WHY on a high (personal) level: we love to build
2. Who are we
3. We want it to be much faster to solve problems using technology
4. This is how developers thinks IT development can be improved
5. **Live Demo: The CTO showing a high level demo of an app being deployed and demoed on Syncano**
6. Why on a business level: why does this matter, and why should we all care
7. Competition is accelerating, so does SW dev need to do
8. Risk of being disrupted
9. Enterprises knows that and they are doing something about it
10. E.g. like DNB
11. **Live Demo: The CTO shows what we did with DNB and how those reusable building blocks enable crowds of developers**
12. So we need to innovate faster, by accelerating software development, but how?
13. Build, measure, learn - we need a composable SW framework
14. That is what Syncano is, just like LEGO for reusable code
15. **Live Demo: The CTO demonstrated the whole system by zooming in on 3 key features and showing how they work live**
16. Summing up key point of the presentation