

BUILD A SECURE NODE.JS API WITH LOOPBACK AND IBM CLOUD

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PROJECT

YOUR PRESENTER: DAVE NUGENT FORWARDJS CONFERENCE CO-ORGANIZER

DATE

JANUARY, 2019

CLIENT

FORWARDJS.COM



PROJECT

YOUR PRESENTER: DAVE NUGENT

SAN FRANCISCO JAVASCRIPT MEETUP ORGANIZER

DATE

DECEMBER, 2018

CLIENT

SF JAVASCRIPT MEETUP



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HACKATHON MENTOR

DATE

NOVEMBER 2018

CLIENT

CALHACKS, BERKELEY



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HACKATHON MENTOR

DATE

FEBRUARY 2019

CLIENT

TREEHACKS, STANFORD

What is LoopBack?

What is LoopBack?

LoopBack is a modular, extensible, open source Node.js framework built for API developers.

<http://loopback.io>

#1 Reason to use LoopBack:

Ease of spinning up - Great for prototyping & bootstrapping

<https://v4.loopback.io/>

Cake Mix for APIs

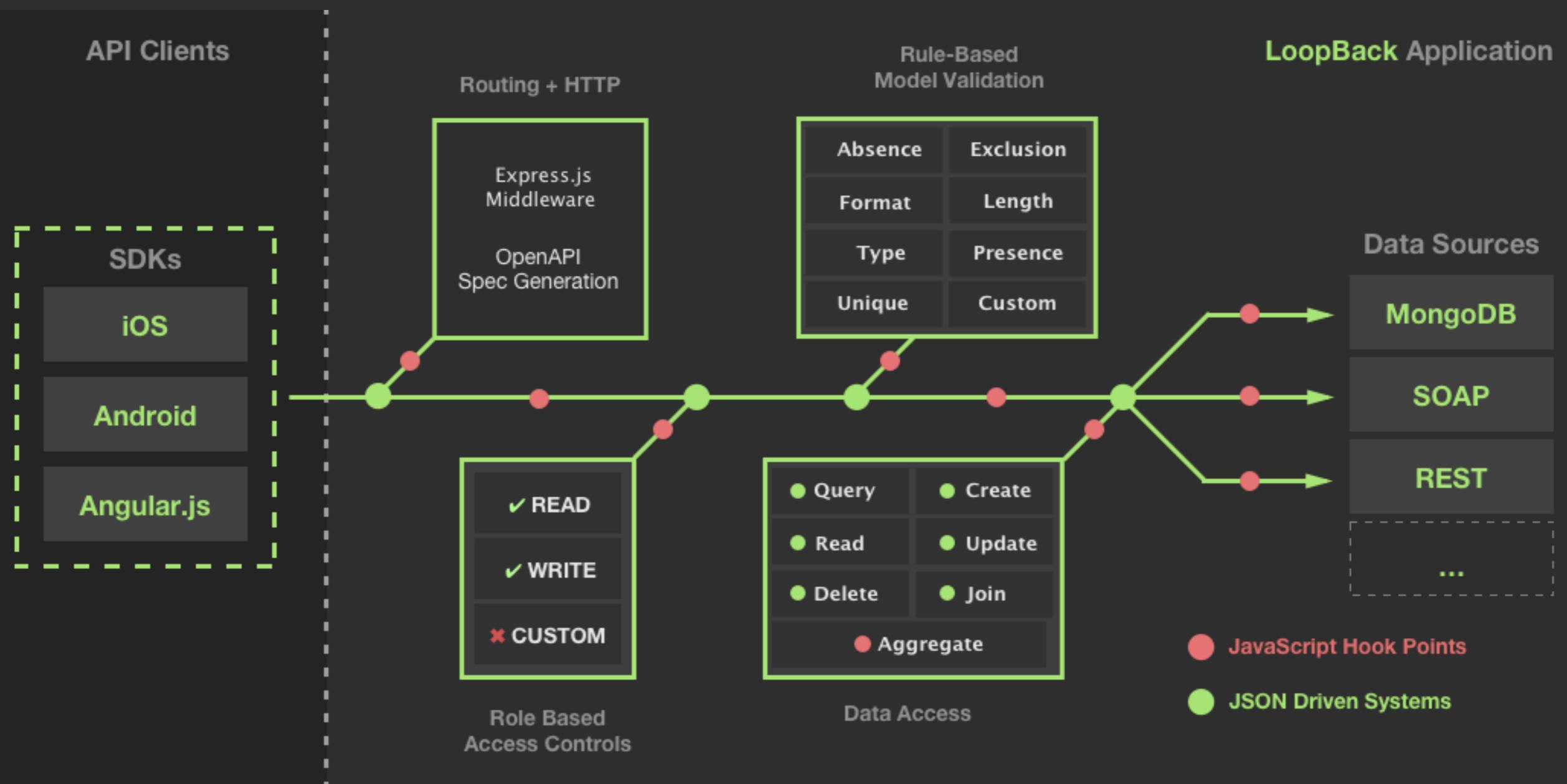


What about LoopBack 4?

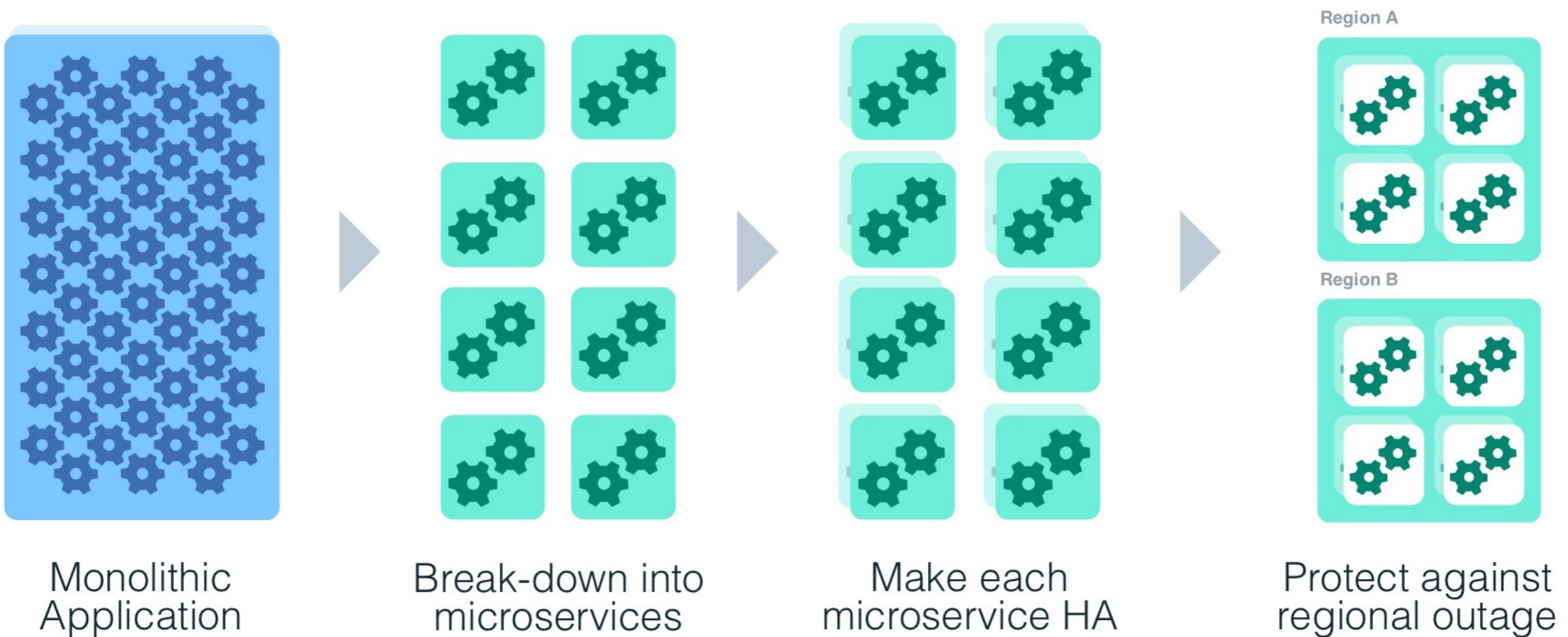
LoopBack 4 is a complete rewrite:

- Simpler codebase, less tech debt
- ES2017 && TypeScript && GraphQL
- Extensibility && Architecture Alignment

LoopBack Architecture



Serverless Microservices

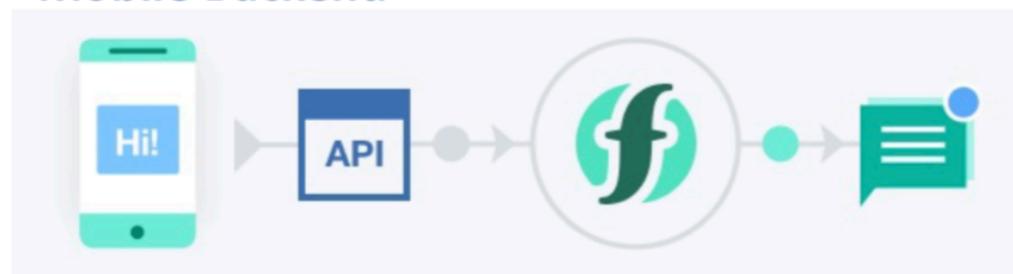


API/Serverless Use Cases

Serverless Backends



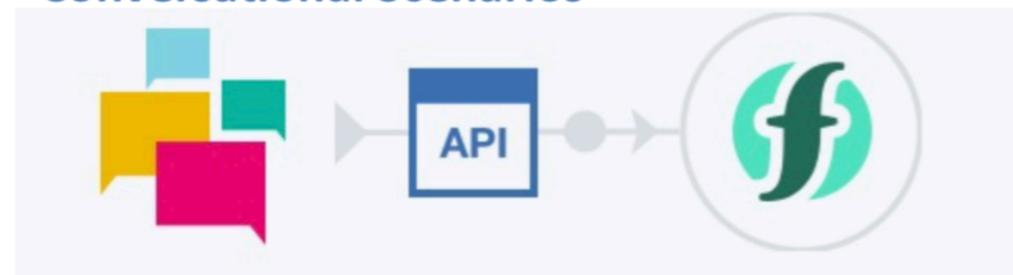
Mobile Backend



Data Processing



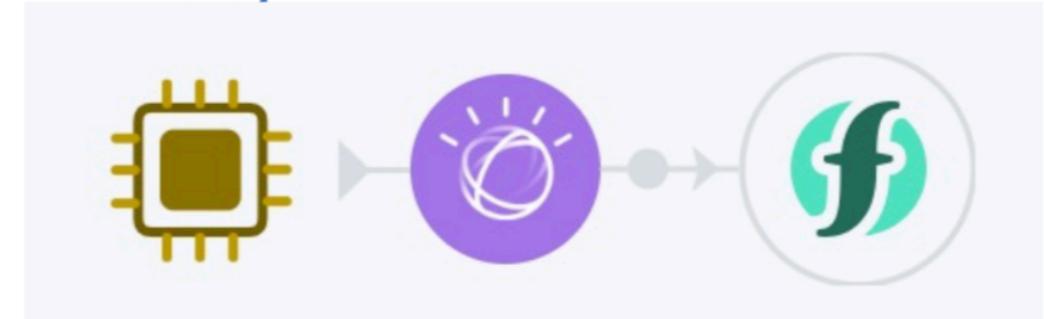
Conversational Scenarios



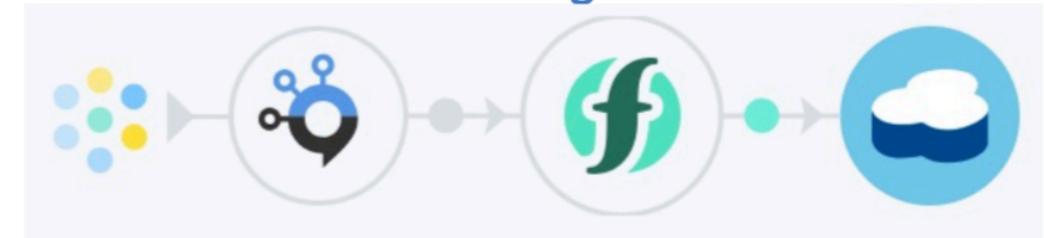
Cognitive Data Processing



IoT Ready



Event Stream Processing

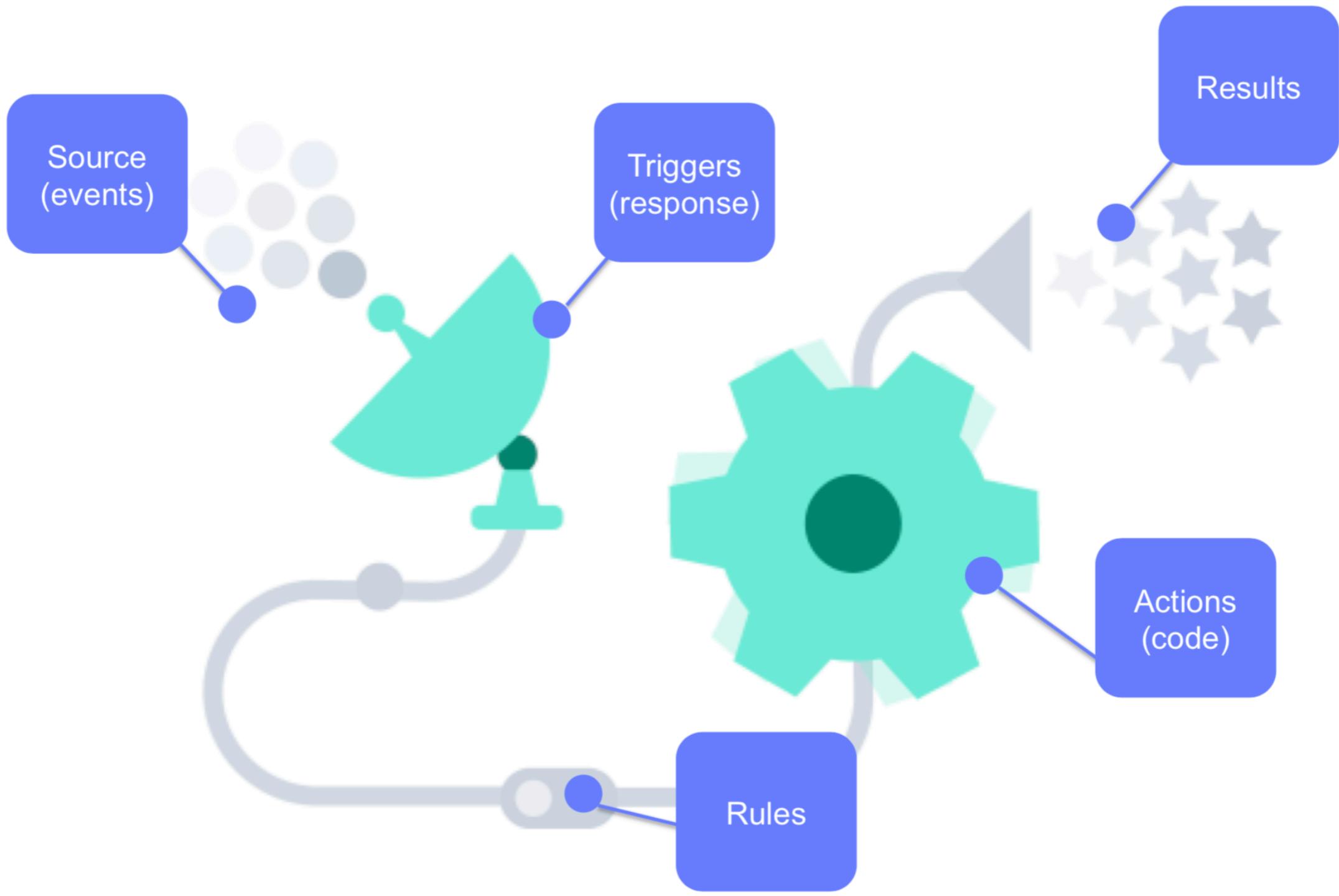


Scheduled Tasks



IBM Cloud Functions

(Apache OpenWhisk)



Don't Use LoopBack!

When should you not use LoopBack?

- Existing API framework working fine
- Express community
- Architecturally against defined models

LET'S CREATE AN API

SIGN UP: [HTTP://IBM.BIZ/LOOPBACK2020-LAB](http://IBM.BIZ/LOOPBACK2020-LAB)

What is API Connect?

What is API Connect?

IBM API Connect provides a graphical tool with API Composition, an API Micro-Gateway, and a CLI with API management and gateway features.

<https://developer.ibm.com/apiconnect>

Resources

LoopBack 4

- Crafting LoopBack 4: <https://loopback.io/doc/en/lb4/Crafting-LoopBack-4.html>
- StackOverflow tag: <http://stackoverflow.com/questions/tagged/loopback>
- Docs: <https://loopback.io/doc/en/lb4/index.html>

API Connect

- Tutorial: <https://www.ibm.com/cloud/garage/content/course/api-connect-pot>

IBM Cloud Signup

- <https://ibm.biz/Bd2HGC>

Code Patterns

- <https://developer.ibm.com/patterns/category/api>

THANK YOU!

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