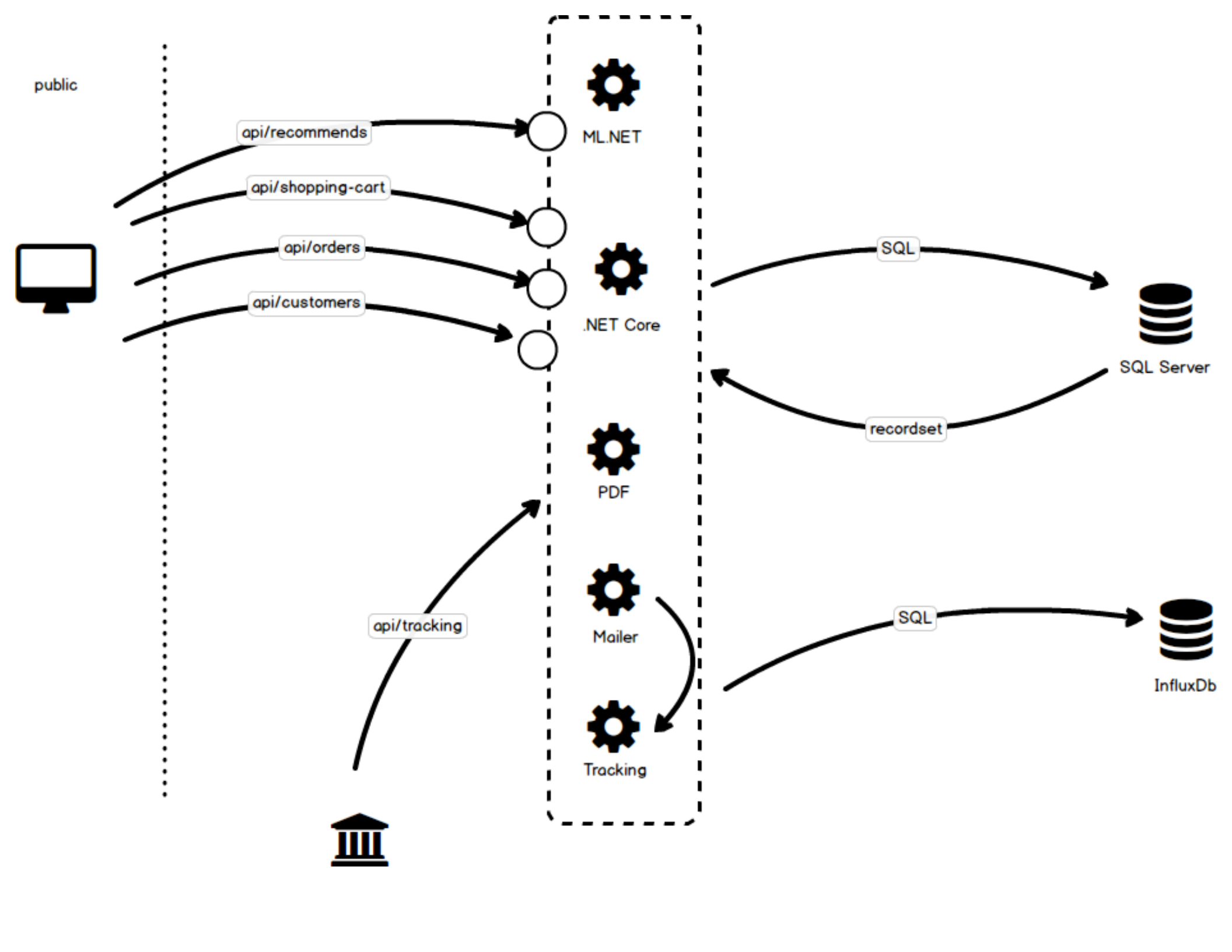
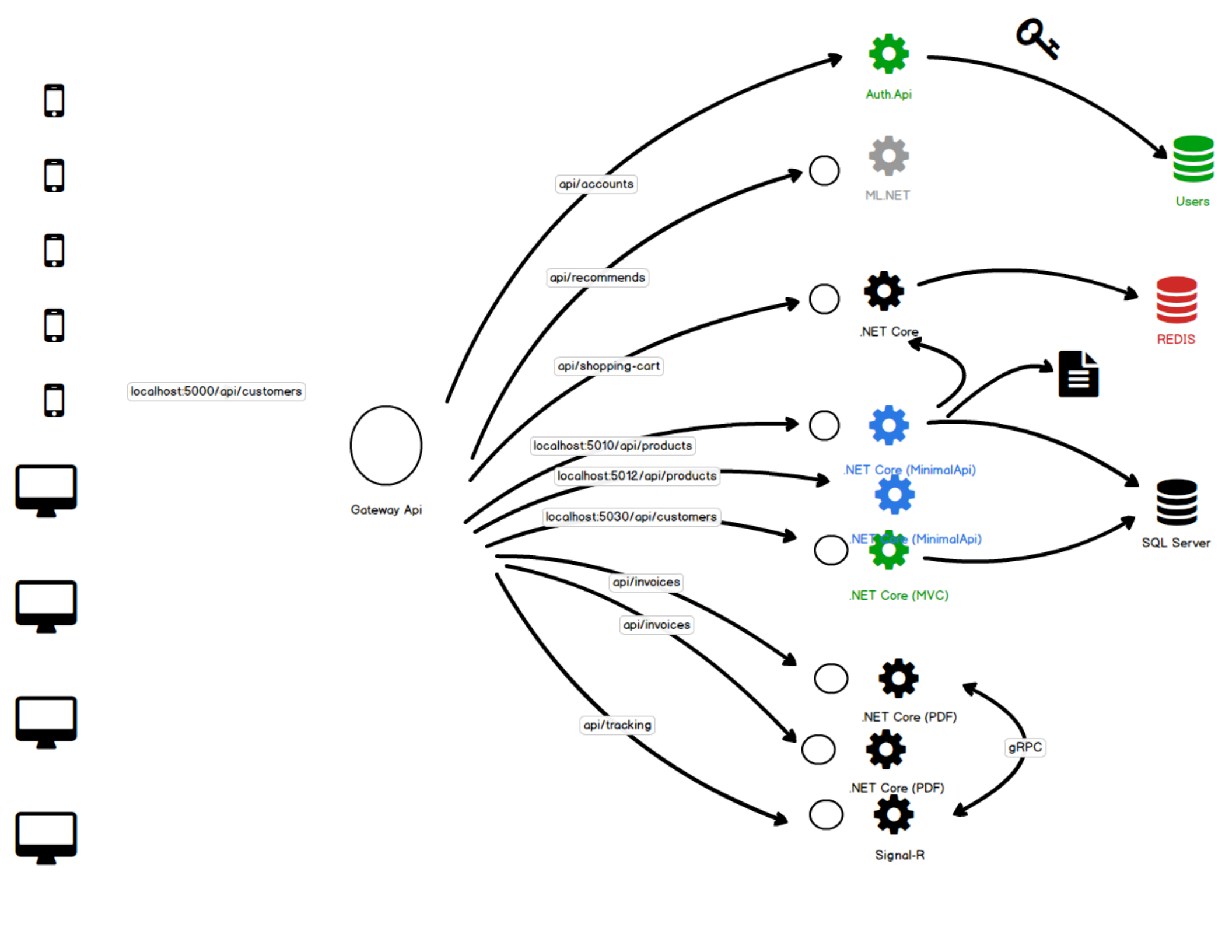
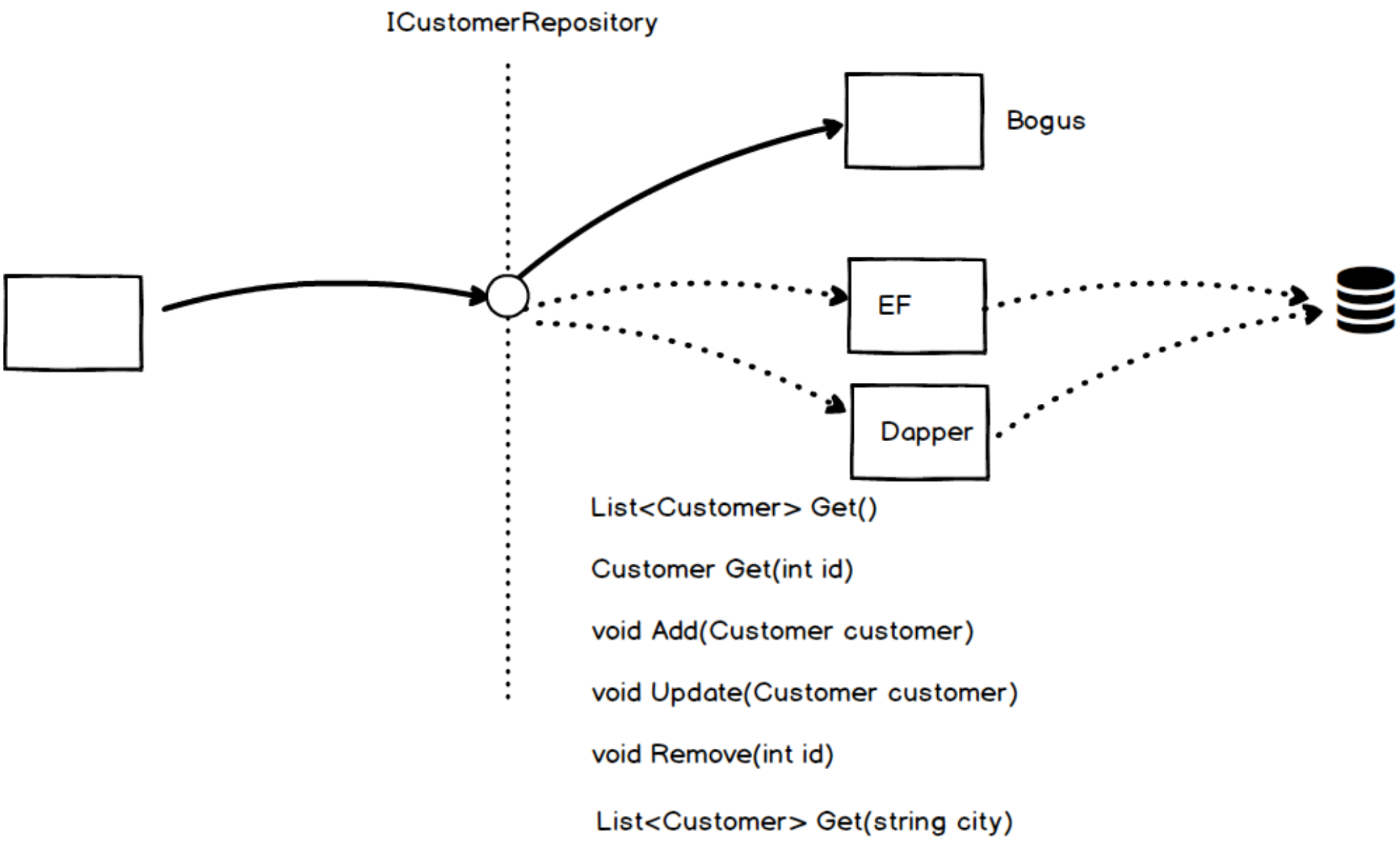
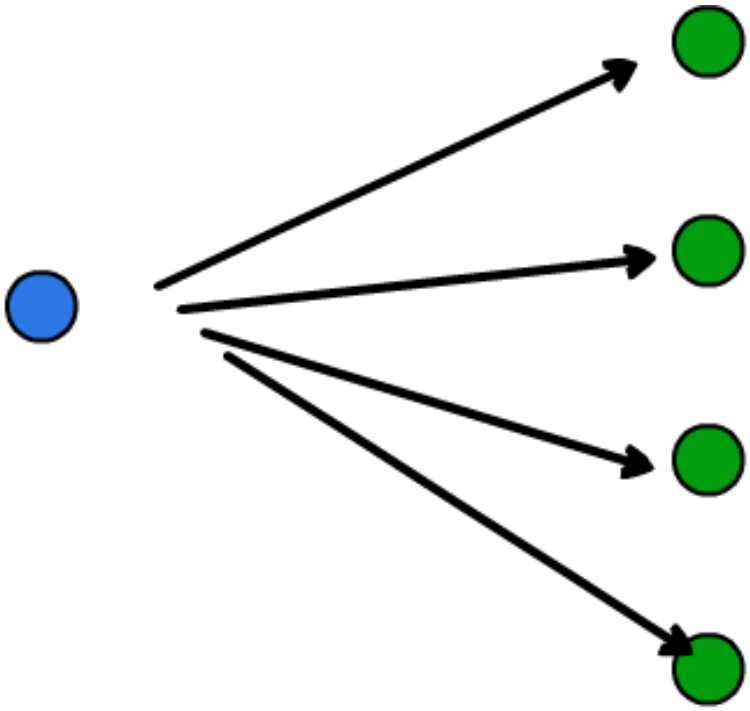
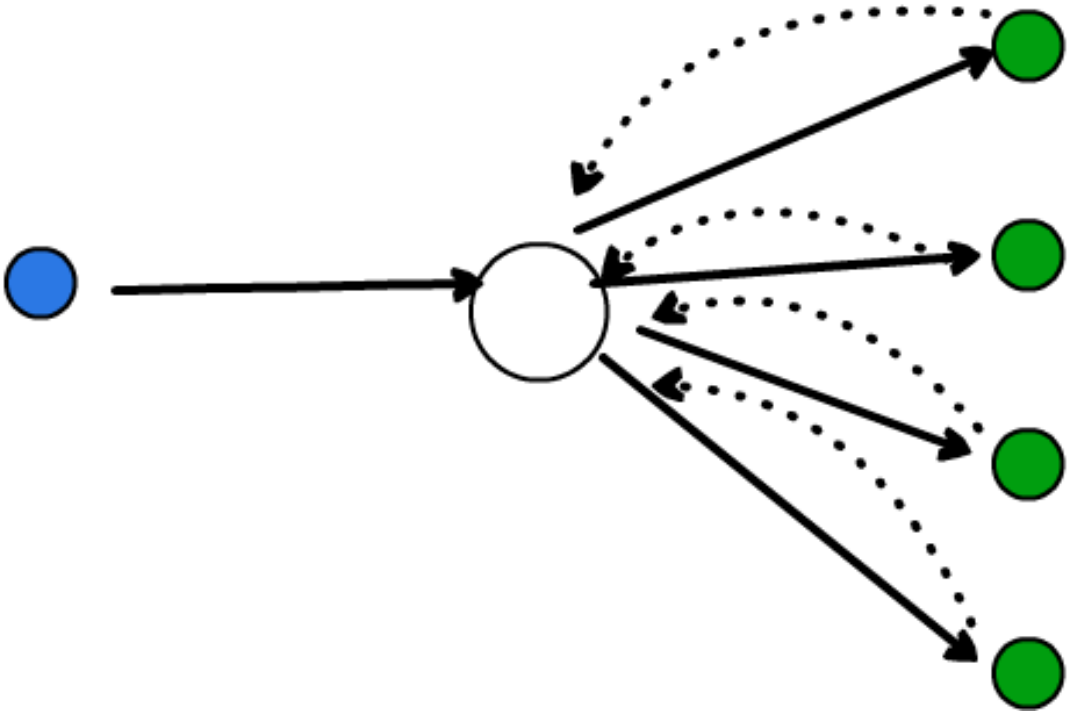

public
api/recommends
api/shopping-cart
api/orders
api/customers
ML.NET
.NET Core
PDF
Mailer
Tracking
SQL
SQL Server
recordset
SQL
InfluxDb
api/tracking

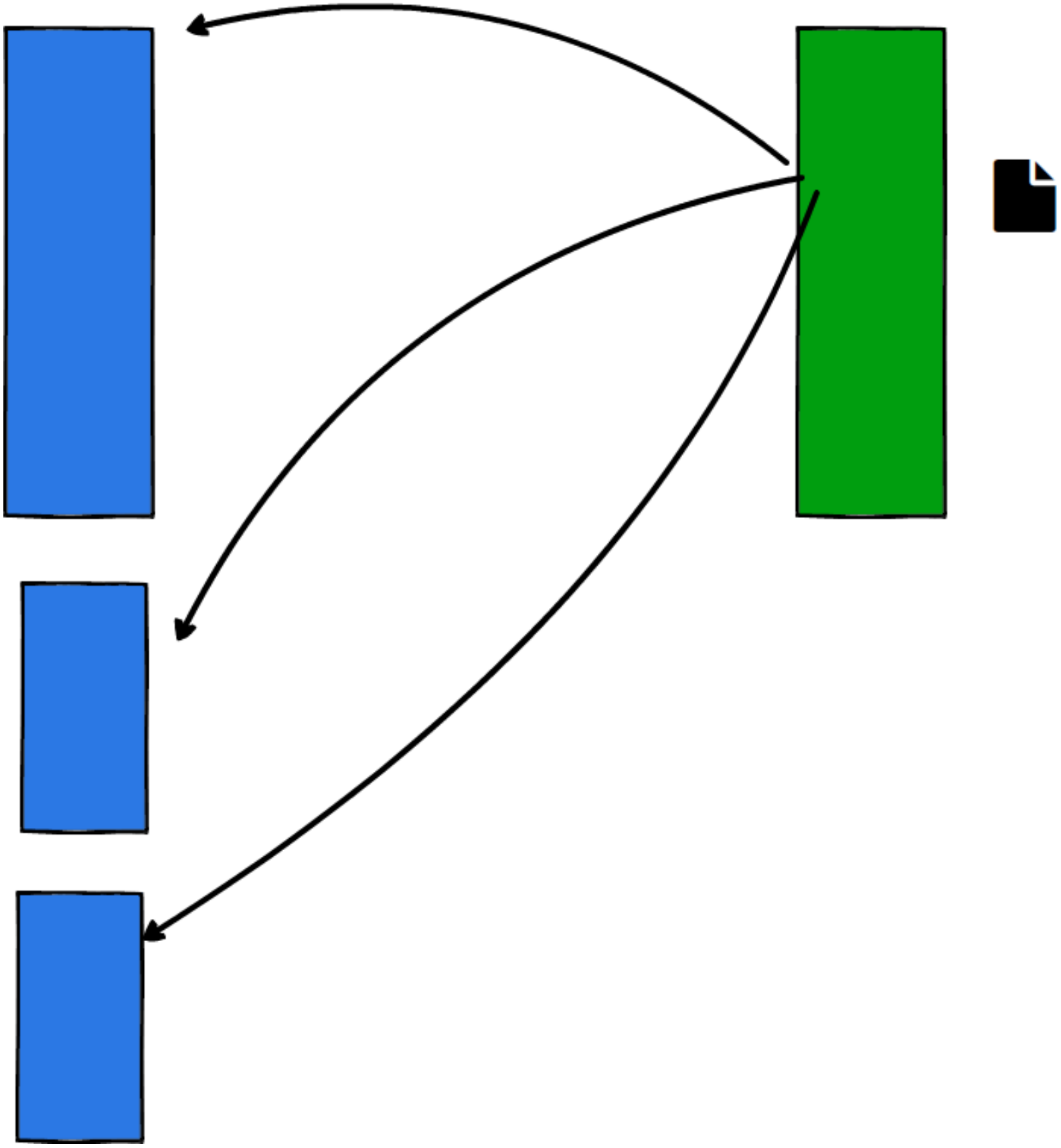

localhost:5000/api/customers
Gateway Api
api/accounts
api/recommends
api/shopping-cart
localhost:5010/api/products
localhost:5012/api/products
localhost:5030/api/customers
api/invoices
api/invoices
api/tracking
Auth.Api
ML.NET
Users
.NET Core
REDIS
.NET Core (MinimalApi)
.NET Core (MinimalApi)
SQL Server
.NET Core (MVC)
.NET Core (PDF)
.NET Core (PDF)
gRPC
Signal-R

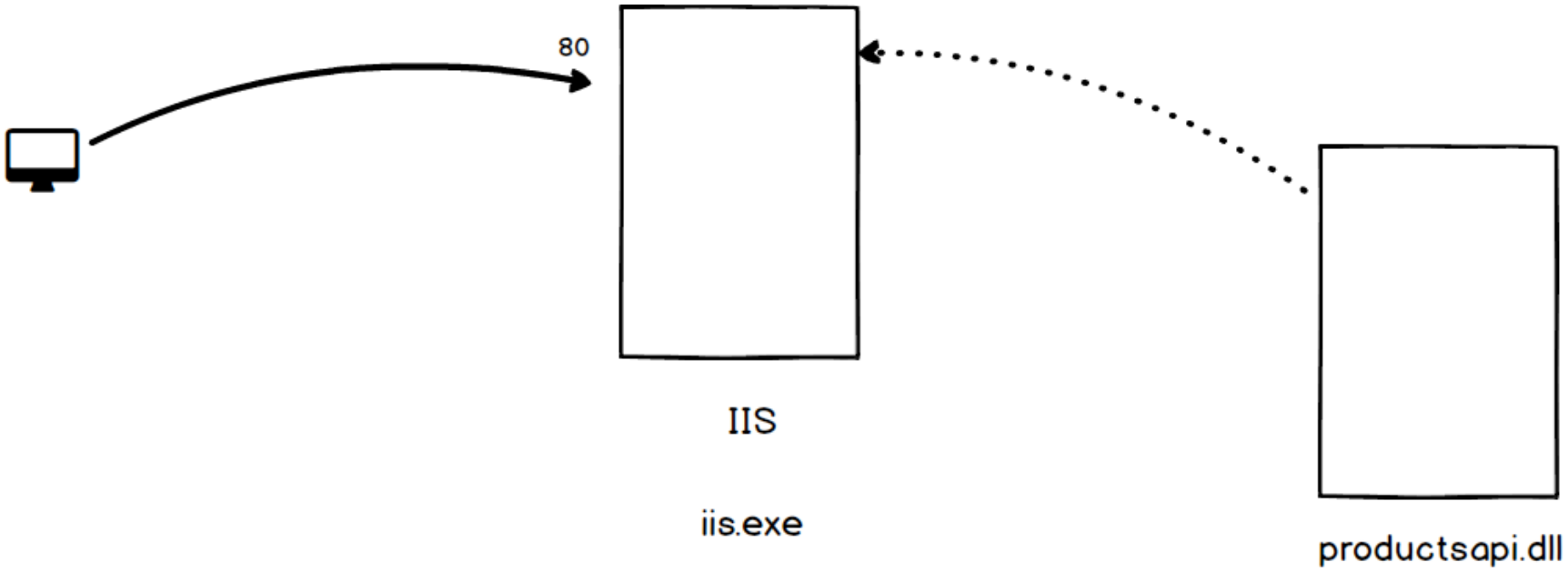

ICustomerRepository
Bogus
EF
Dapper
List<Customer> Get()
Customer Get(int id)
void Add(Customer customer)
void Update(Customer customer)
void Remove(int id)
List<Customer> Get(string city)



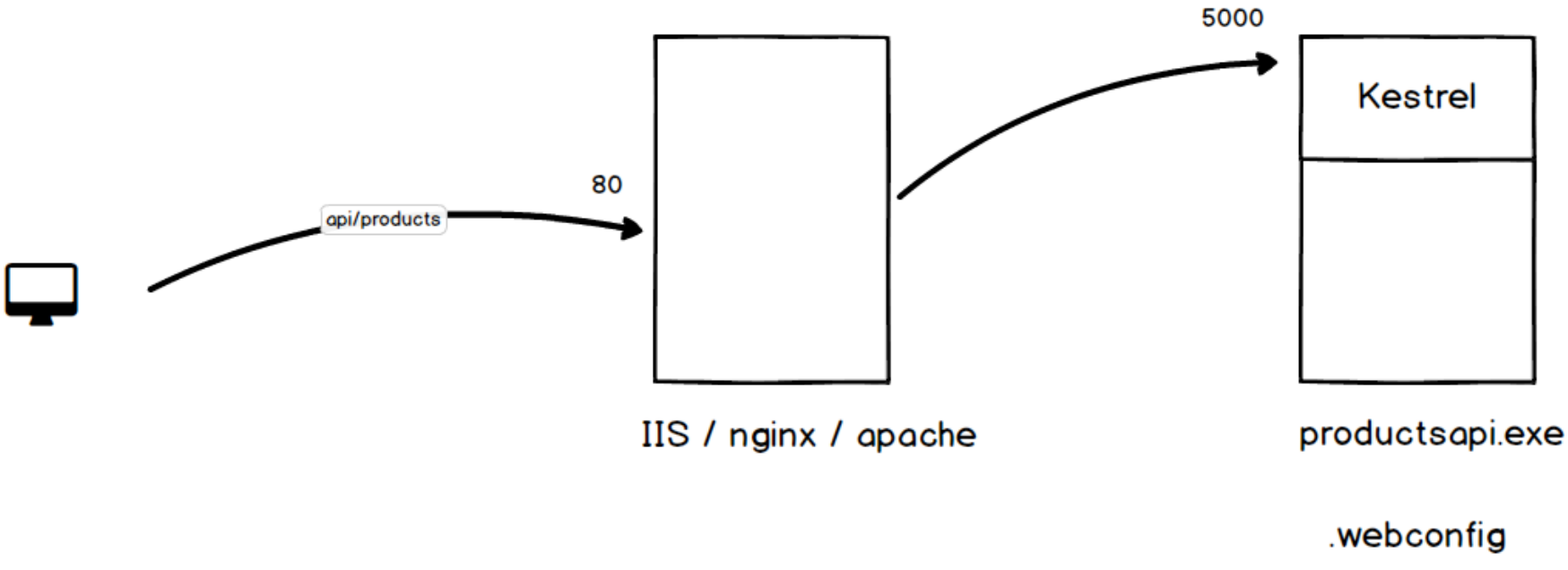


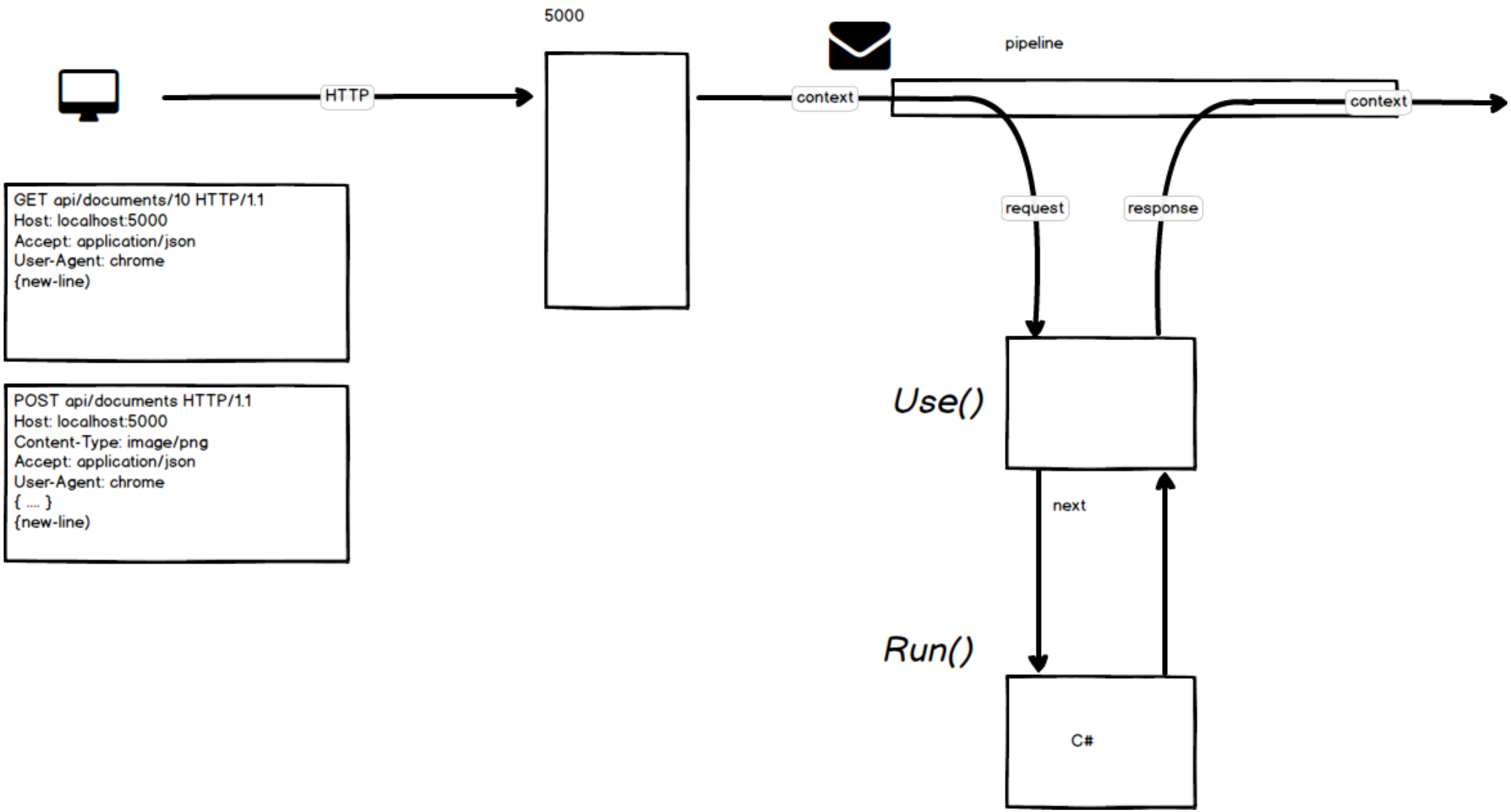
POST api/webhooks





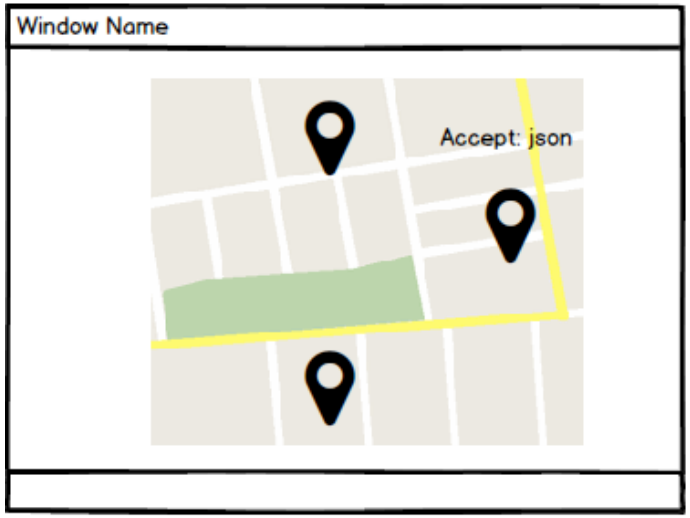
Self-hosting

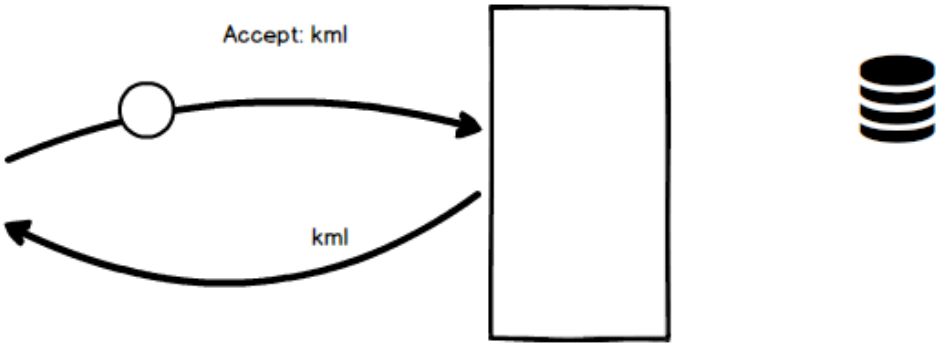


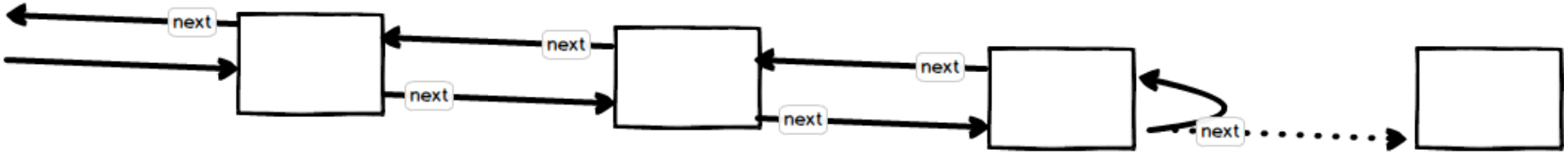

5000
pipeline
HTTP
context
context
request
response
GET api/documents/10 HTTP/1.1
Host: localhost:5000
Accept: application/json
User-Agent: chrome
{new-line)
POST api/documents HTTP/1.1
Host: localhost:5000
Content-Type: image/png
Accept: application/json
User-Agent: chrome
{ .... }
{new-line)
Use()
next
Run()
C#

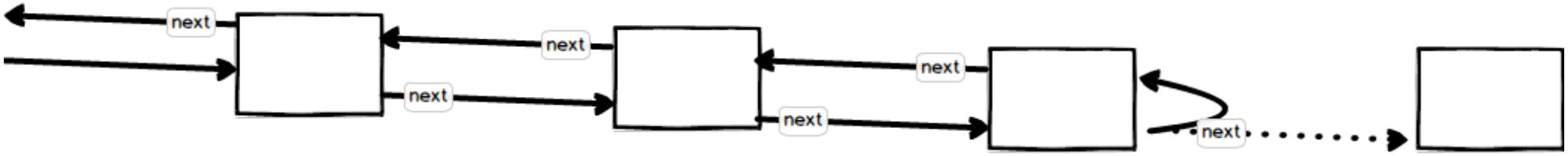
http://localhost:5000/api/customers?format=kml

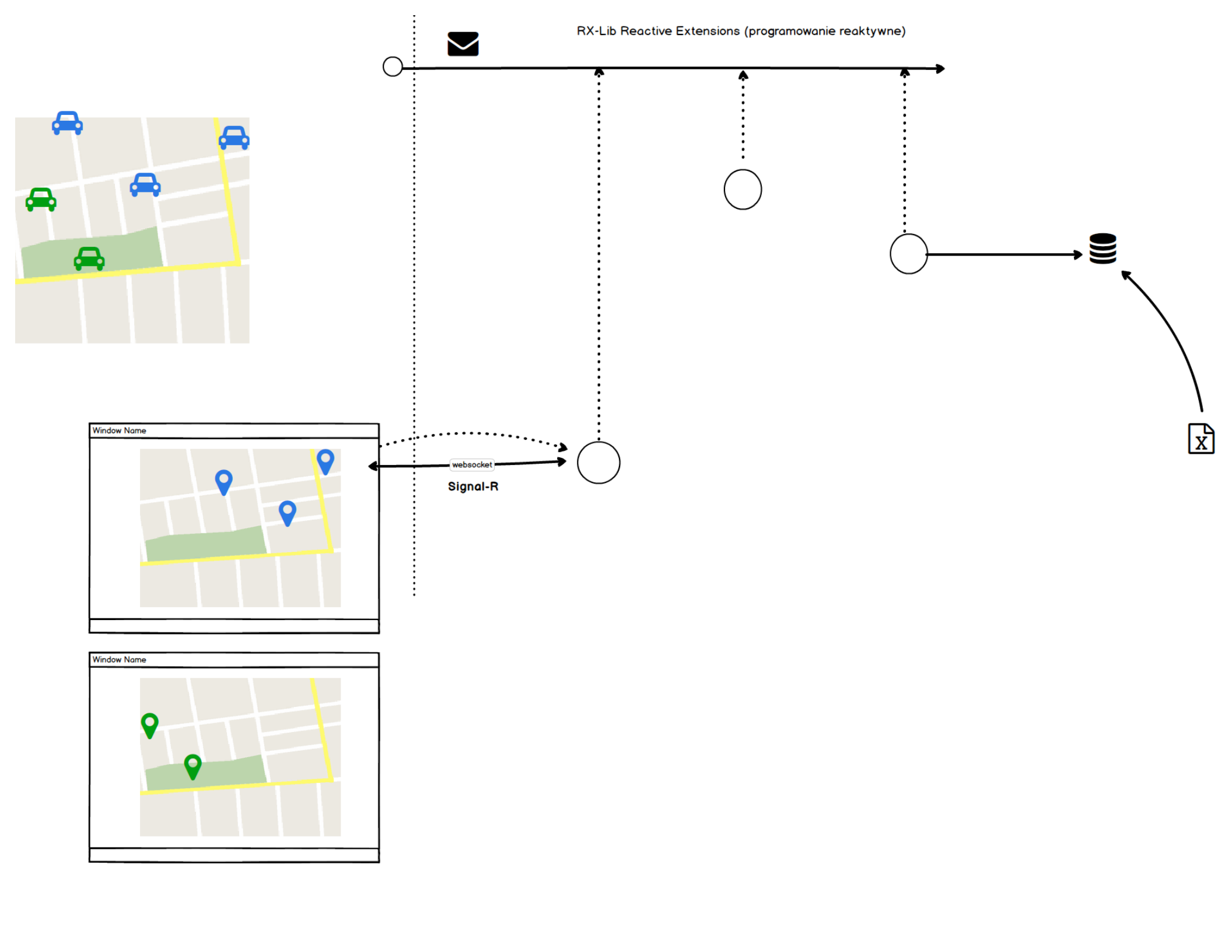
http://localhost:5000/api/customers.kml

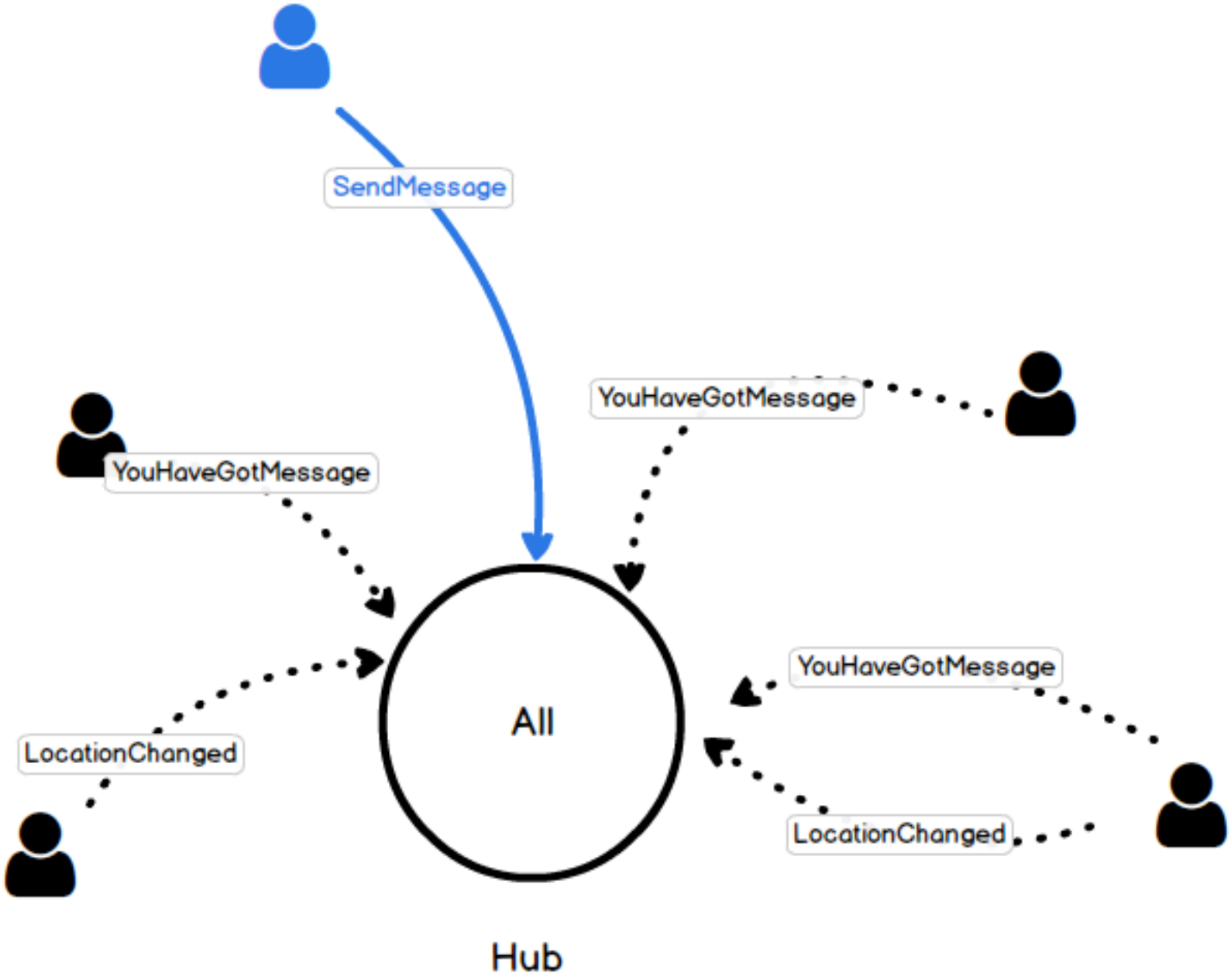







next
next
next
next
next
next


RX-Lib Reactive Extensions (programowanie reaktywne)
Window Name
websocket
Signal-R
Window Name


SendMessage
YouHaveGotMessage
YouHaveGotMessage
YouHaveGotMessage
All
LocationChanged
LocationChanged
Hub

CustomersController

IOrderRepository
ICustomerRepository

Get()
Get(int id)

GET api/customers

GET api/customers/10

GET api/customers?fields=firstname,lastname

GET api/customers/10/invoices

OrdersController

IOrderRepository

GET api/orders

Get(int customerId)

GET api/orders/10

GET api/orders/10/details

[HttpGet("/api/customers/{customerId}/orders]

GET api/customers/10/orders

ReportsController

POST api/report-salaries?from-date...&to....

REST API

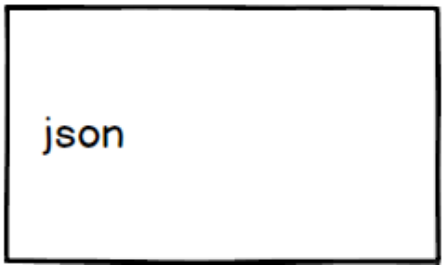
GET api/customers?fields=firstname,lastname

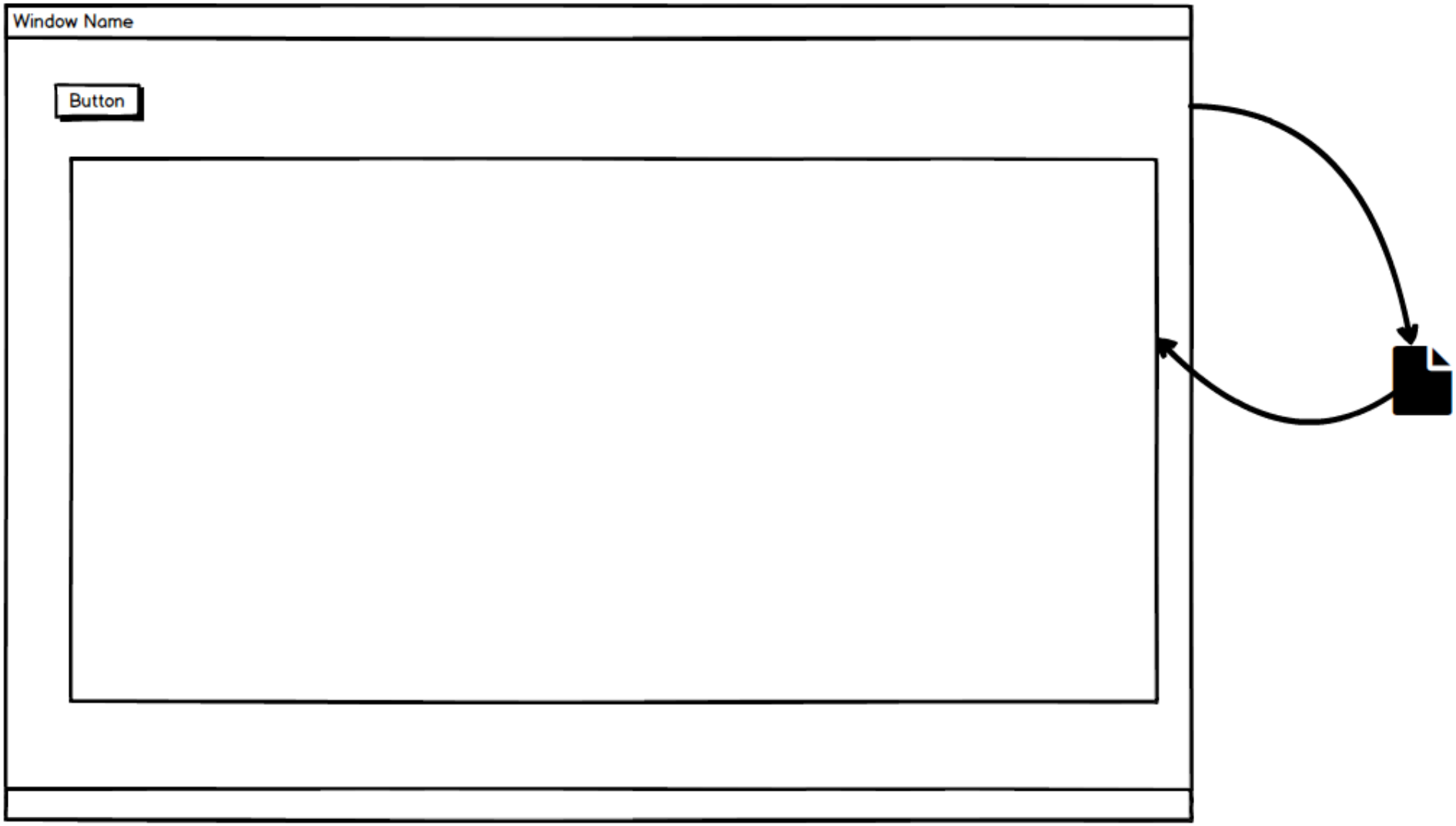
OData SQL w URL ;-)

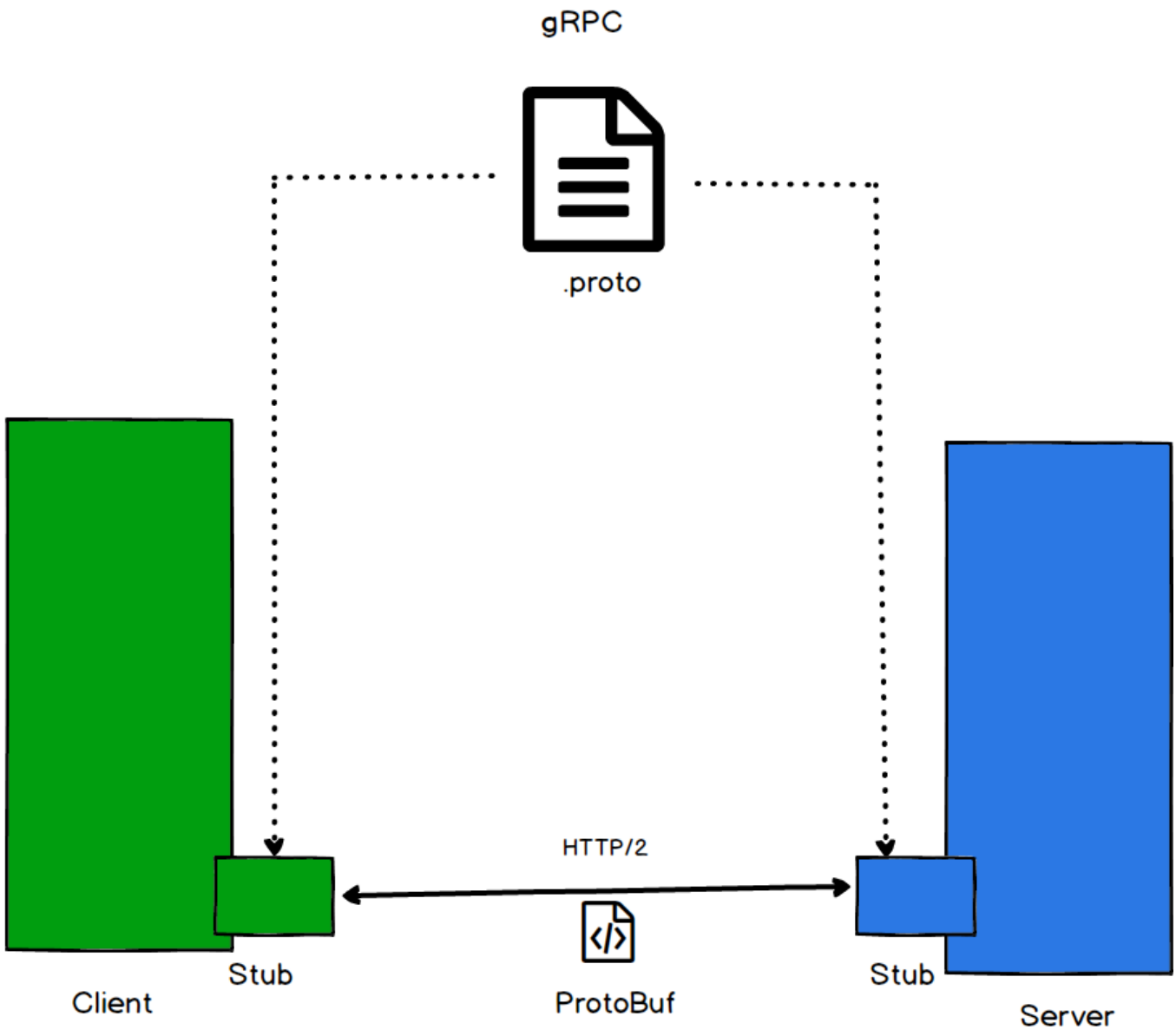
GET api/customers?fields=firstname,lastname&order=age$filter=IsRemoved eq 1

GraphQL

POST api/graphql

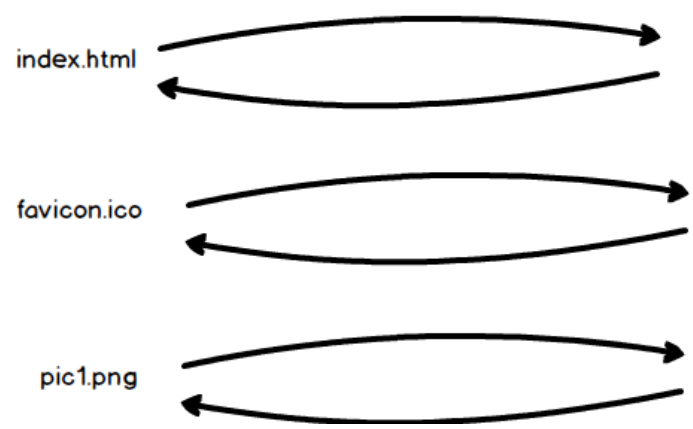



Window Name
Button

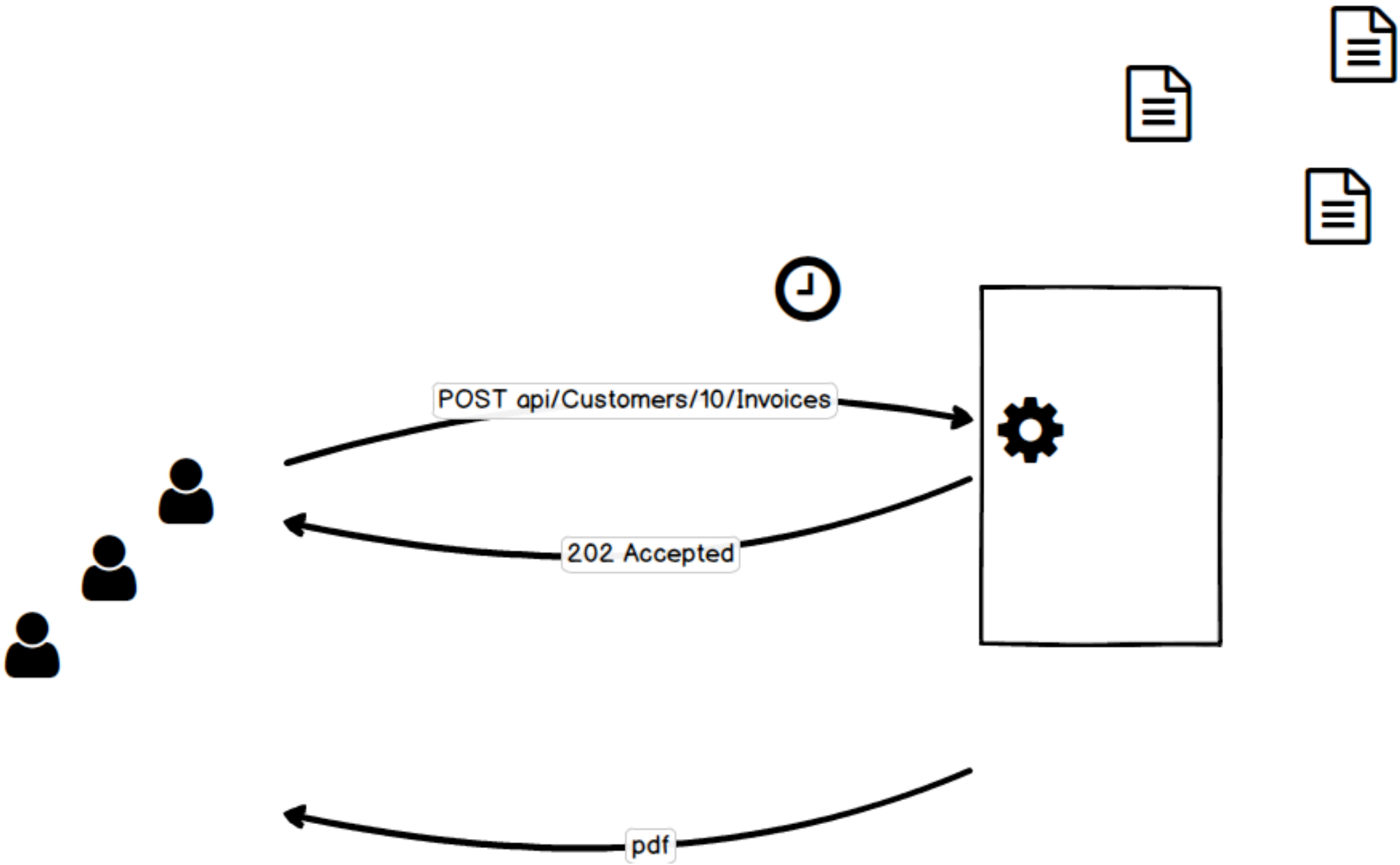


HTTP/2

HTTP/1.1



Hangfire



IPrincipal

IIdentity Identity {get; }

bool IsInRole(string role)

IIdentity

string Name {get; }

bool IsAuthenticated { get; }

string AuthenticationType { get; }

Type	Value
kat	B
kat	C
termin	bezterminowe
phone	555-111-222
email	marcin.sulecki@sulmar.pl
role	trainer
role	developer

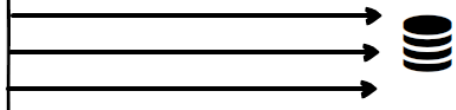
Claim

string Name {get; }

```
GET api/customers HTTP/1.1
Host: localhost:5000
Accept: application/json
Authorization: {typ-autentykacji} {value}
```

Basic

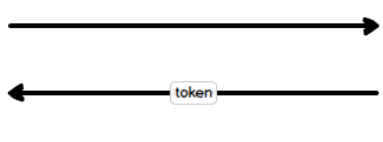
```
GET api/customers HTTP/1.1
Host: localhost:5000
Accept: application/json
Authorization: Basic base64({login:password})
```



Bearer

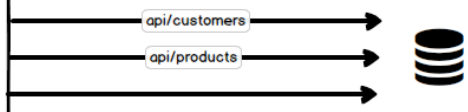
[AllowAnonymouse]
POST api/accounts/token/create

{"login":"marcin", "password":"123"}



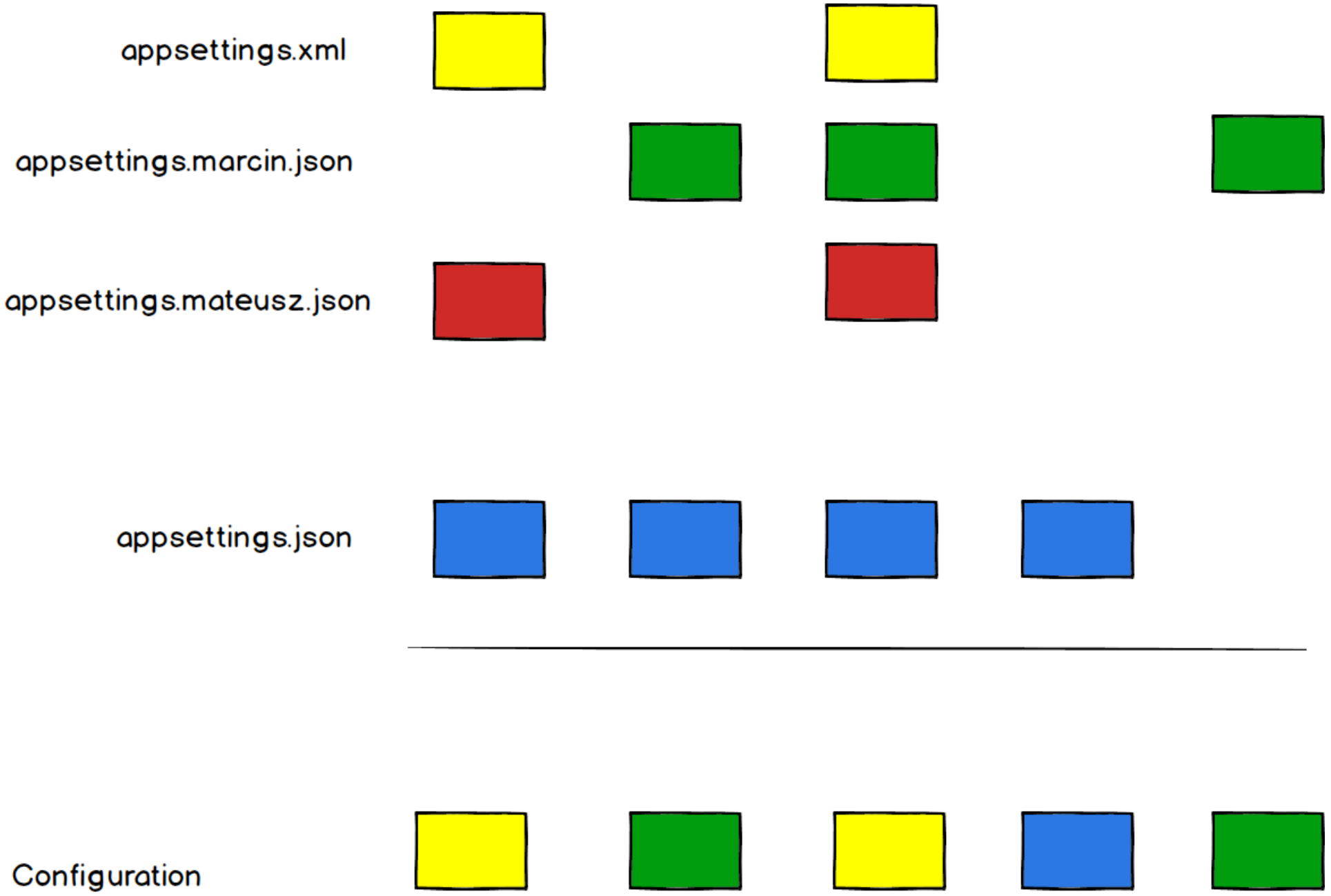
^%534gfedubd57349b5d9759979b98100

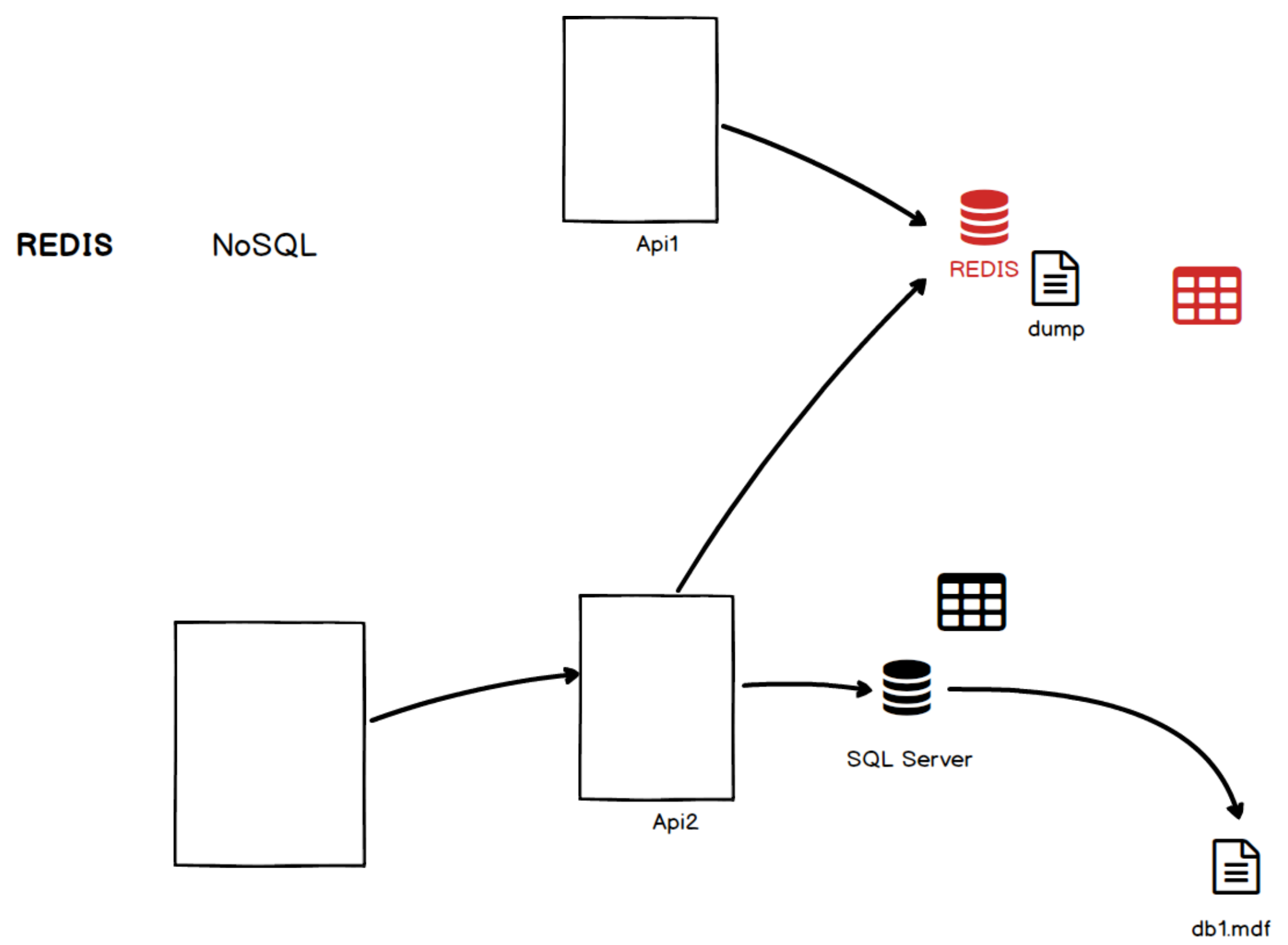
```
GET api/customers HTTP/1.1
Host: localhost:5000
Accept: application/json
Authorization: Bearer {token}
```

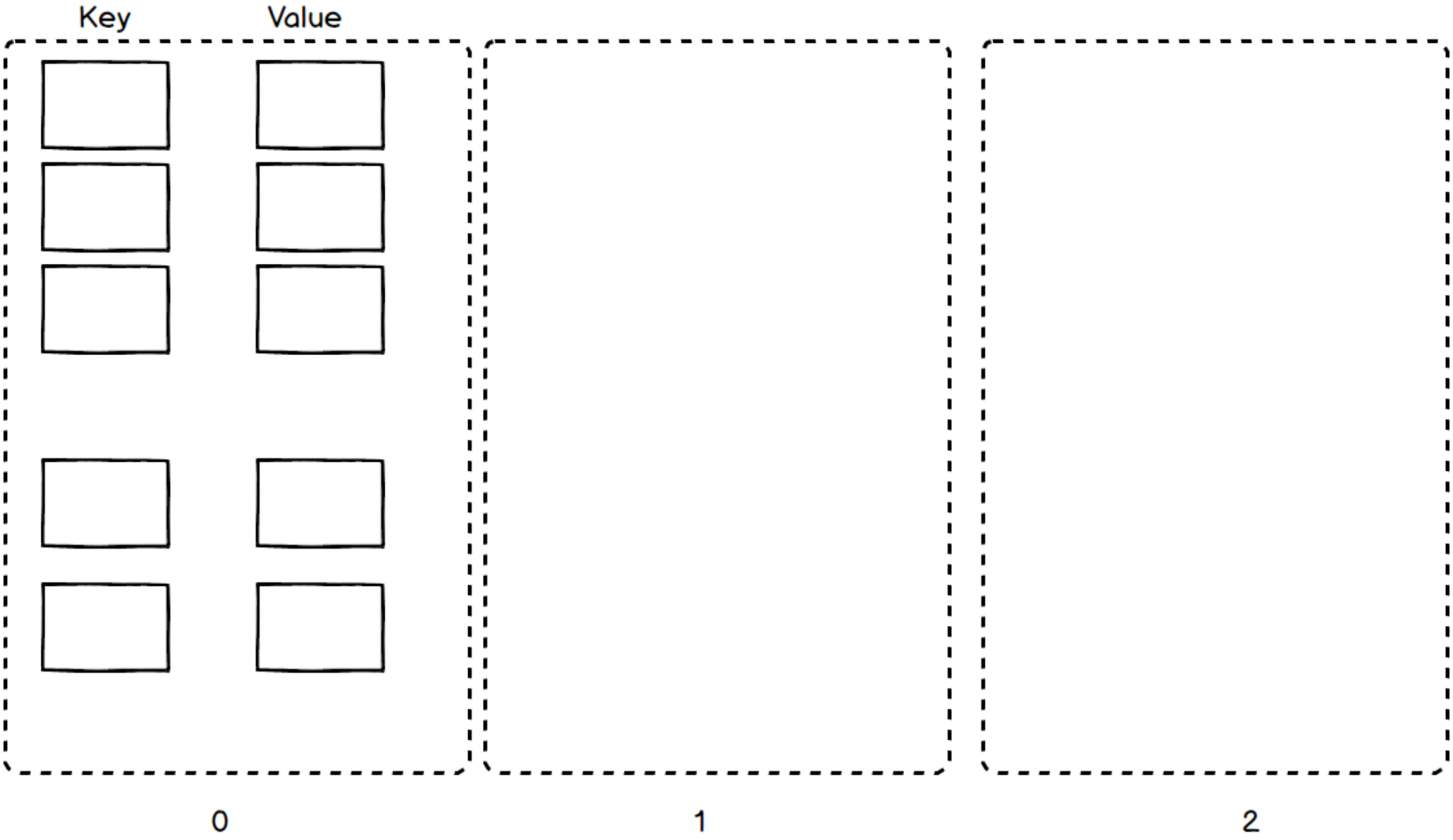


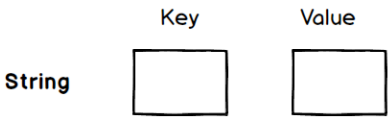
JWT Tokens (Json Web Tokens)

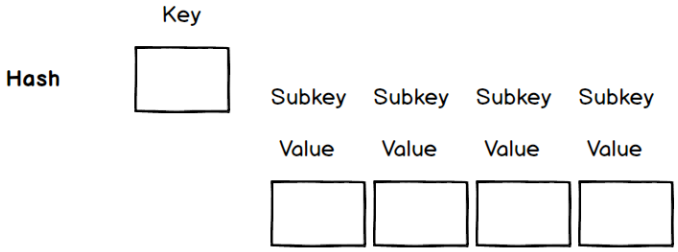
{header}.{payload}.{signature}

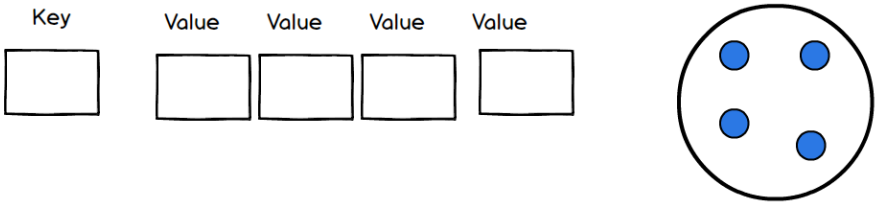

appsettings.xml
appsettings.marcin.json
appsettings.mateusz.json
appsettings.json
Configuration

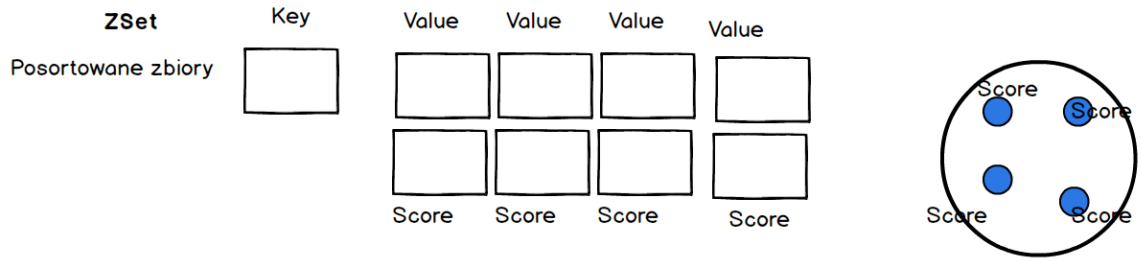

REDIS
NoSQL
Api1
REDIS
dump
Api2
SQL Server
db1.mdf

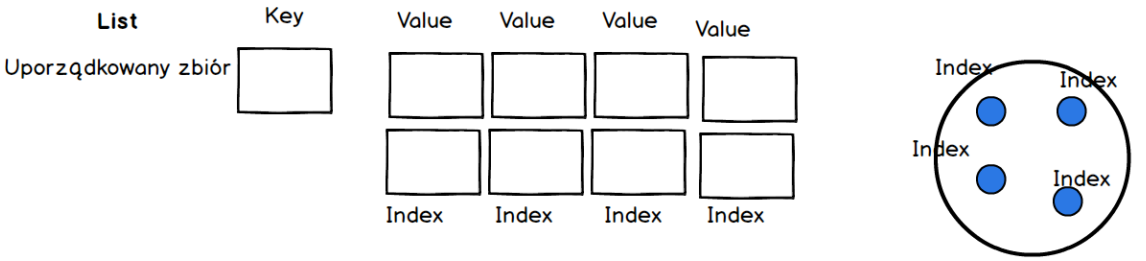

Key
Value
0
1
2

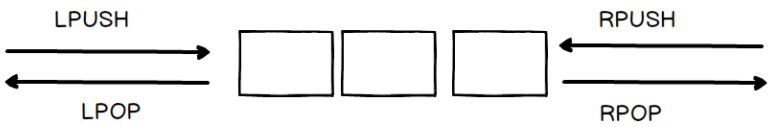

Key
Value
String

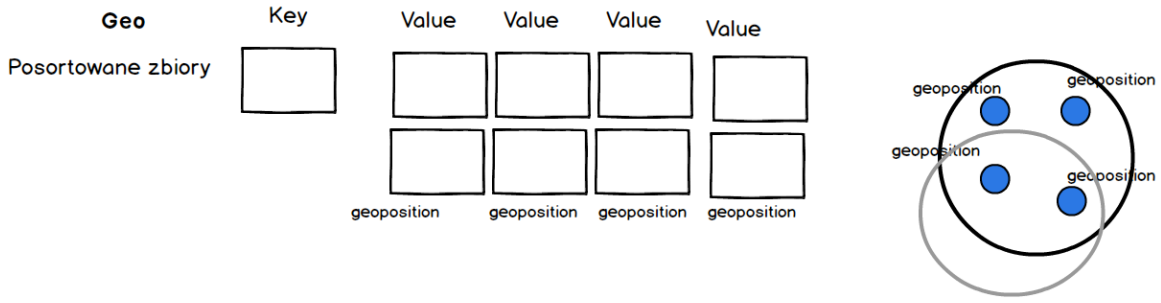

Key
Hash
Subkey
Subkey
Subkey
Subkey
Value
Value
Value
Value

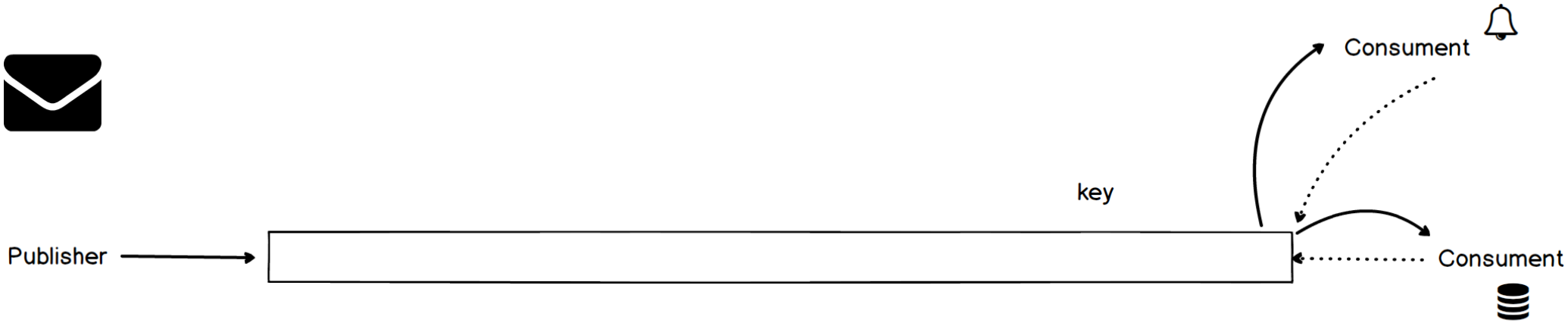

Key
Set
Value
Value
Value
Value


ZSet
Posortowane zbiory
Key
Value
Value
Value
Value
Score
Score
Score
Score
Score
Score
Score
Score


List
Uporządkowany zbiór
Key
Value
Value
Value
Value
Index
Index
Index
Index
Index
Index
Index
Index


LPUSH
LPOP
RPUSH
RPOP


Geo
Posortowane zbiory
Key
Value
Value
Value
Value
geoposition
geoposition
geoposition
geoposition
geoposition
geoposition
geoposition



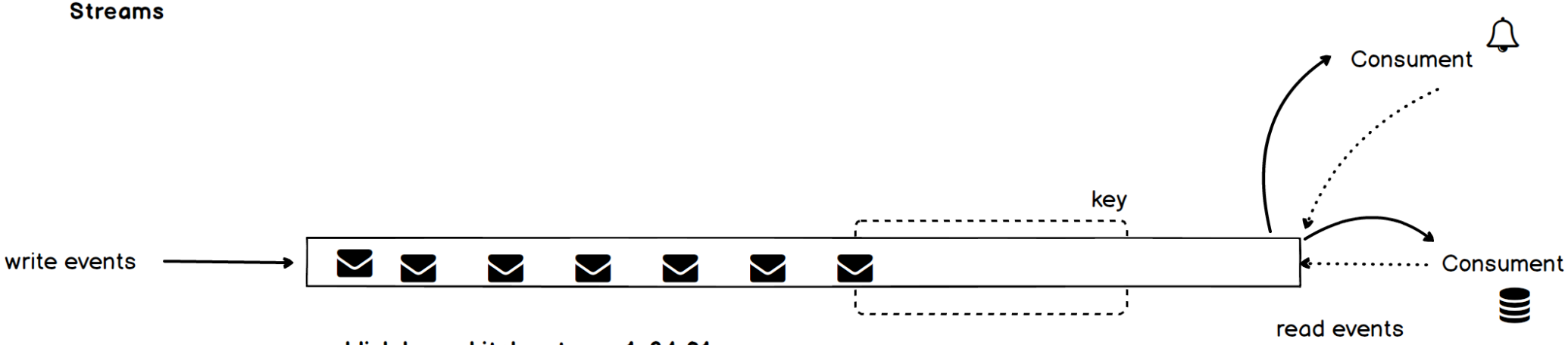
publish home:kitchen:temp-1 24.01

publish home:kitchen:fan on

publish home:room:temp-1 20.01

psubscribe home:kitchen*

Streams



publish home:kitchen:temp-1 24.01

publish home:kitchen:fan on

publish home:room:temp-1 20.01