

# 构建微服务云原生应用

架构师杨波



扫码试看/订阅

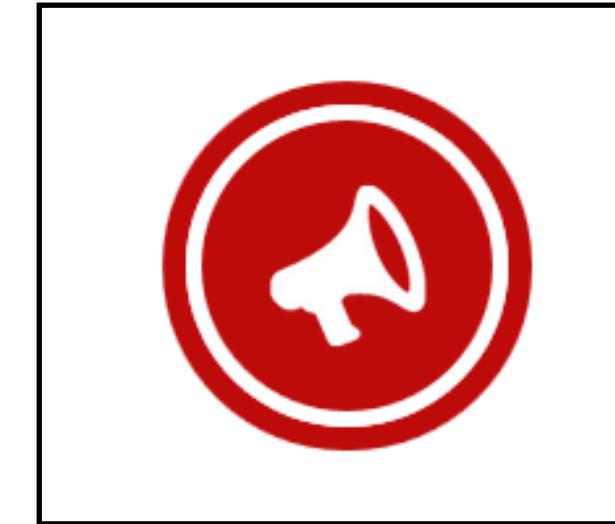
《Spring Boot & Kubernetes 云原生微服务实践》

CHAPTER

11

# 附录：Staffjoy 微服务实现简析

# 特别说明



- 本章主要是 Code Review，方便大家理解 Staffjoy 各个模块的实现细节。如果不关心实现细节，可以跳过本章，后面需要时再回头参考本章。
- 主要 Review 微服务（Spring Boot）项目，单页 ReactJS 应用仅简单介绍。

# Review 步骤

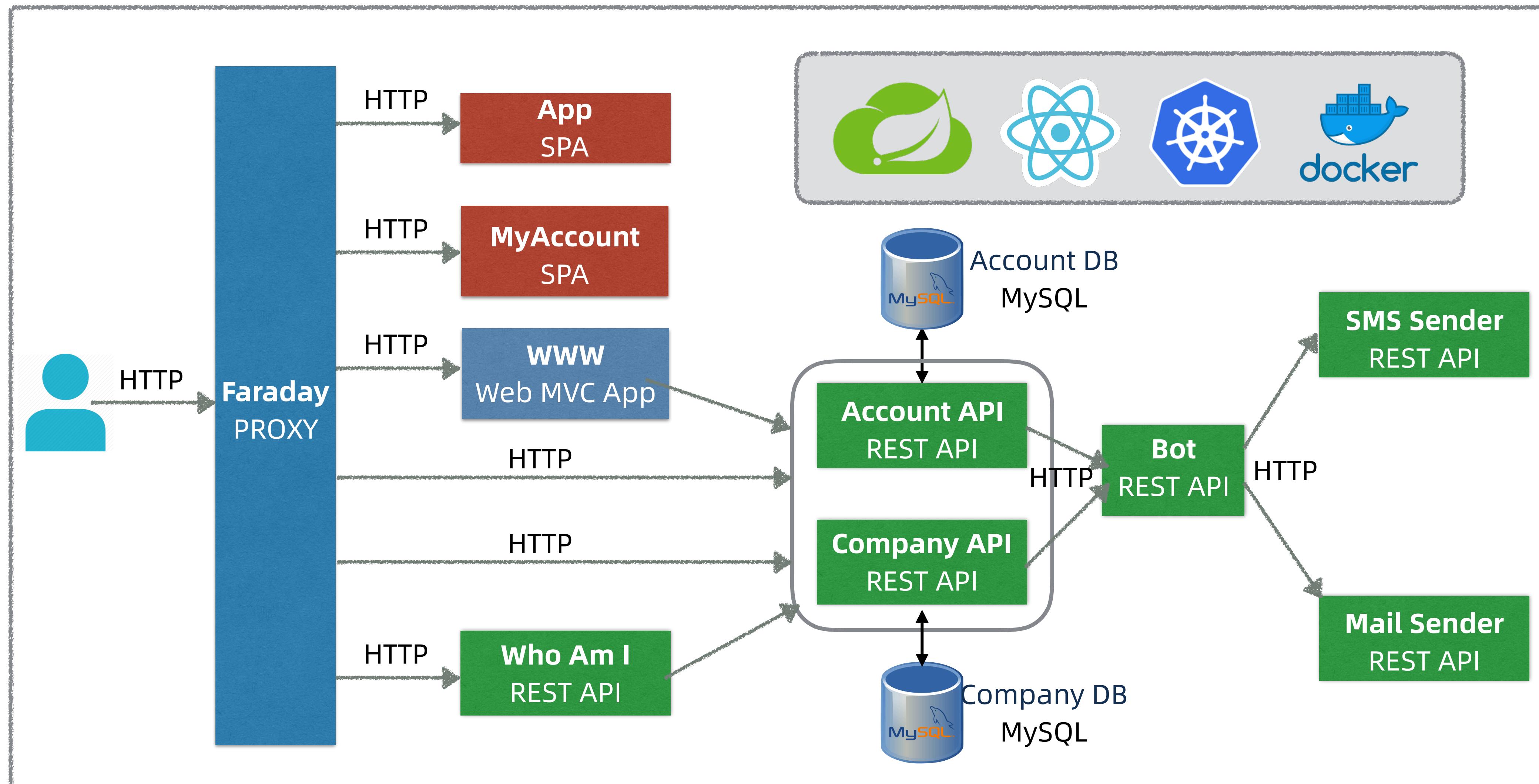
1. 服务 API 客户端
2. 服务实现端
  1. POM
  2. Configuration & Properties
  3. DB Schema
  4. Model + Repository
  5. Service
  6. Controller
  7. Main App
  8. 一个接口样例

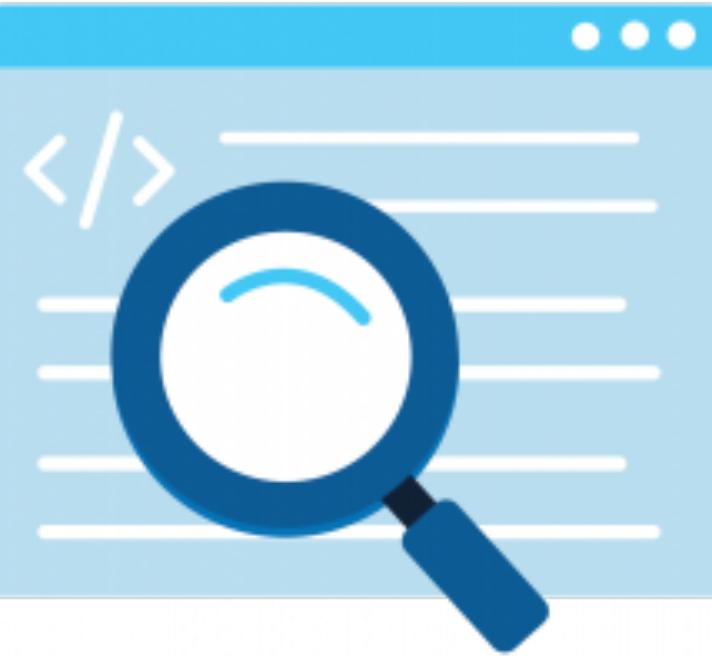


Step By Step

A green, textured, trapezoidal button with the words "Step By Step" written on it in white, sans-serif font.

# Staffjoy 架构图



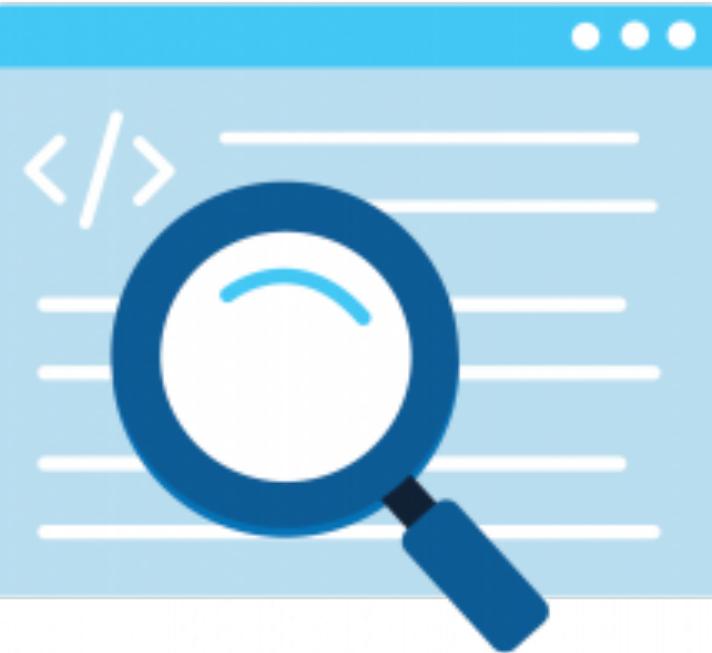


第 1 部分

# Account 服务

# Account 服务接口

操作	HTTP方法	功能
createAccount	POST	创建新账户
getOrCreateAccount	POST	获取或创建(如不存在)账户
get	GET	通过用户id获取已有账户
getAccountByPhonenumber	GET	通过电话号码获取已有账户
list	GET	获取现有账户列表(内部使用)
updatePassword	PUT	更新密码
verifyPassword	POST	校验密码
requestPasswordReset	POST	请求密码重置
update	PUT	更新账户
syncUser	POST	同步信息到Intercom客户系统
trackEvent	POST	同步用户事件到Intercom客服系统

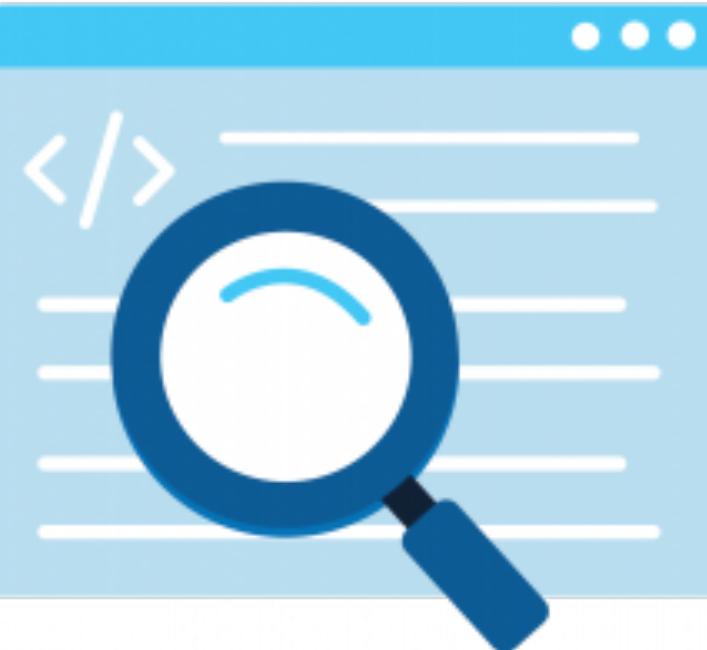


第 2 部分

## Company 服务

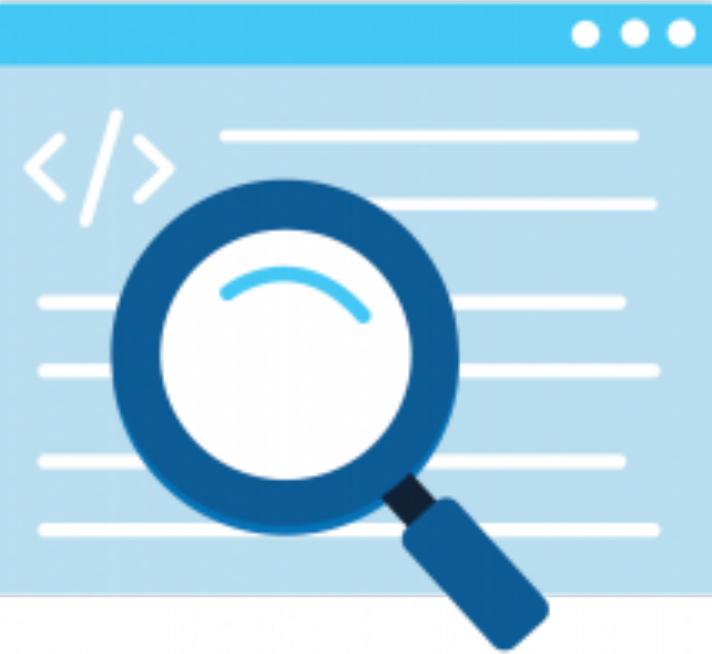
# 班次 Shift 服务接口

操作	HTTP方法	功能
createShift	POST	在某公司/团队下创建新班次
getShift	GET	通过班次id获取班次信息
listShifts	POST	通过公司/团队/用户/任务id, 时间范围等信息查询对应班次
listWorkerShifts	POST	通过公司/团队/雇员id和时间范围等信息 查询对应班次
deleteShift	DELETE	删除某个班次
updateShift	PUT	更新某班次信息
bulkPublishShifts	POST	批量发布班次



第 3 部分

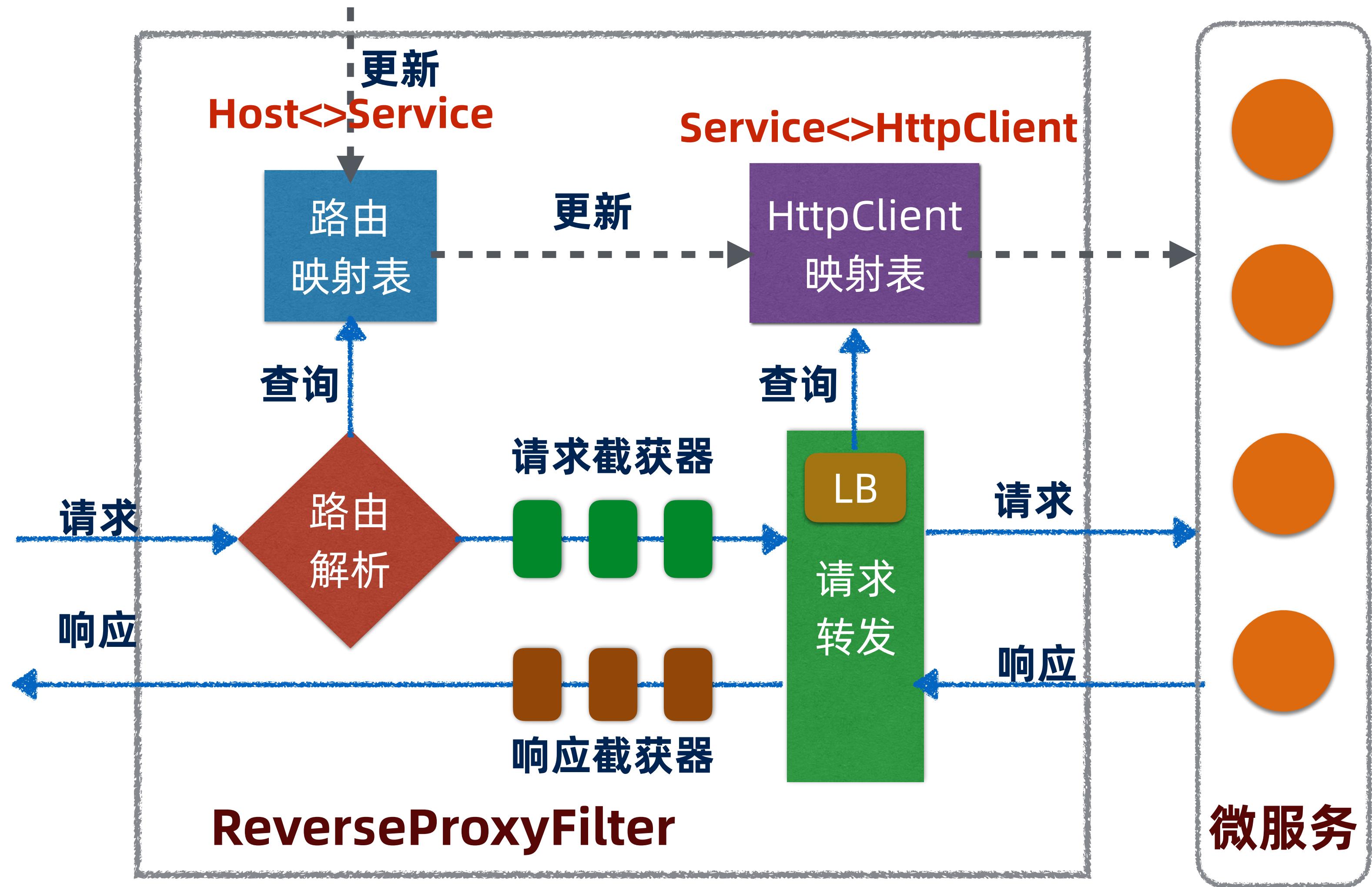
## Mail、SMS 和 Bot 服务

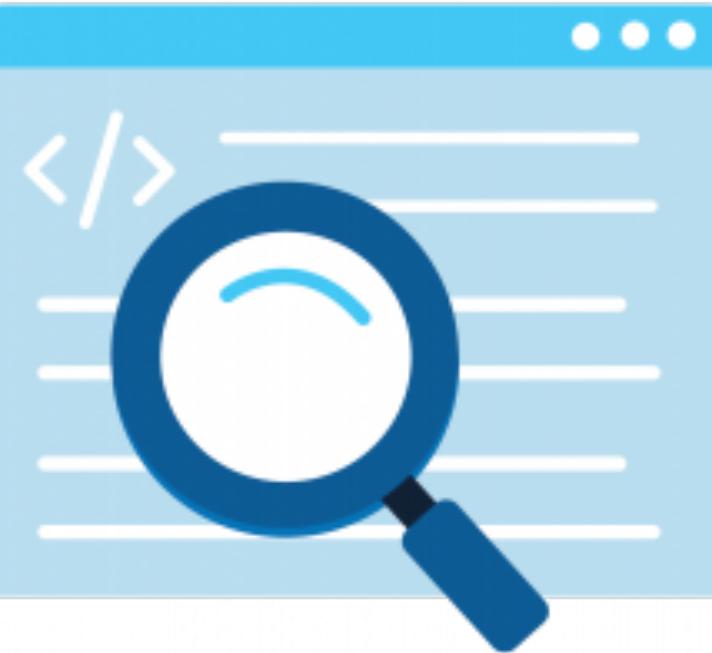


第 4 部分

## Faraday 网关服务

# Faraday 网关内核

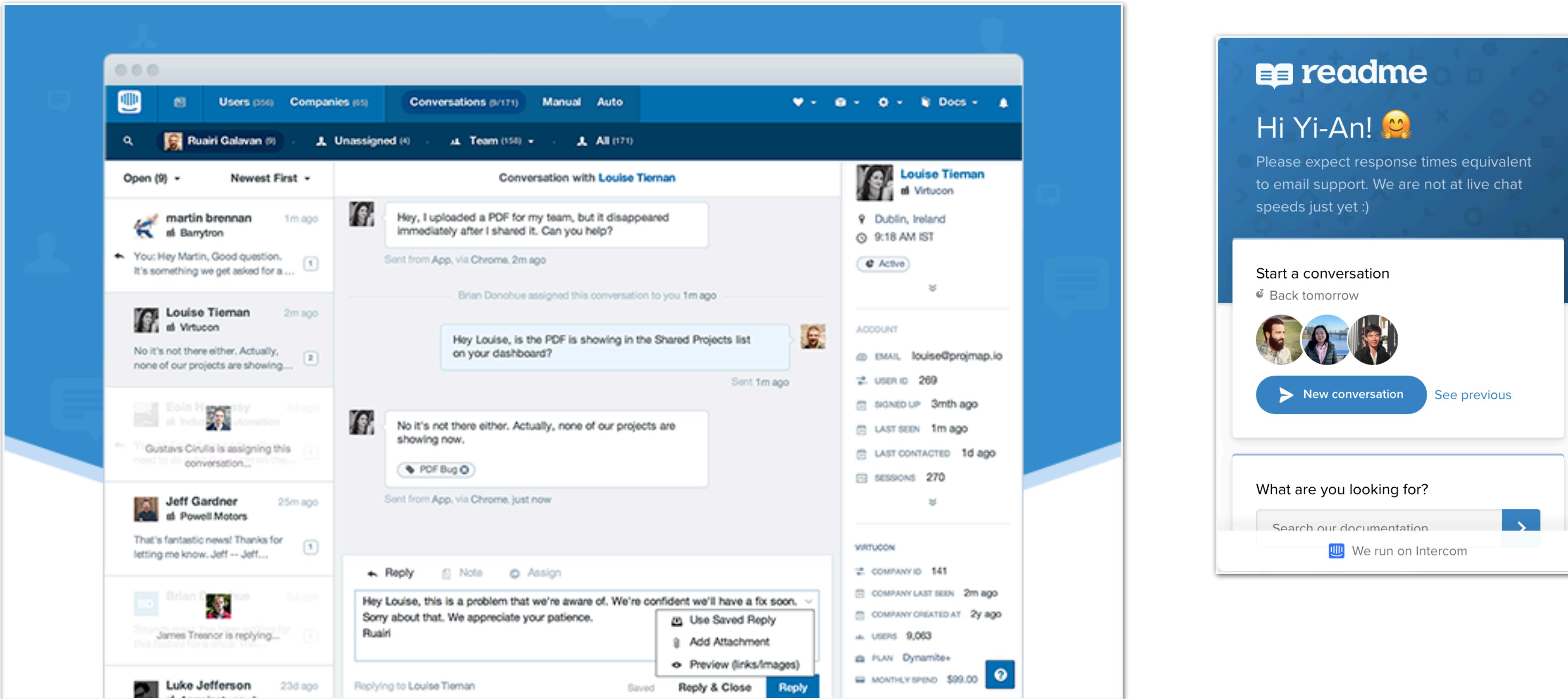




第 5 部分

## WhoAmI 服务

# Intercom 客服系统集成



The image shows two side-by-side screenshots of customer service software. The left screenshot is from Intercom, displaying a list of conversations on the left and a detailed view of a specific conversation with Louise Tieman on the right. The right screenshot is from a service called 'readme', which is integrated with Intercom, showing a similar conversational interface.

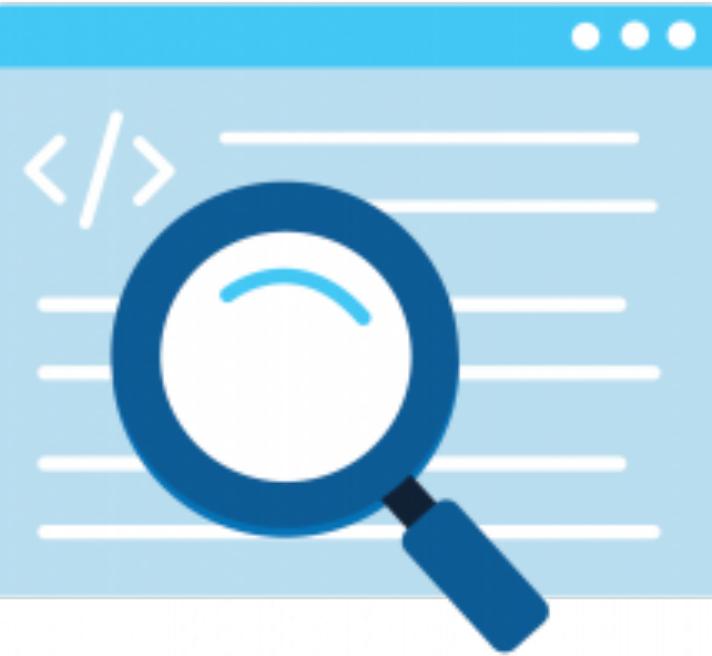
**Intercom Screenshot Details:**

- Header:** Shows 'Users (56)', 'Companies (5)', 'Conversations (8/171)', 'Manual', and 'Auto'.
- Left Panel (Conversations):** Shows a list of messages from various users like Ruairi Galavan, martin brennan, Louise Tieman, Eoin Hanrahan, Jeff Gardner, Brian Donohue, and Luke Jefferson.
- Right Panel (Conversation with Louise Tieman):** Shows a message from Louise asking about a missing PDF, a response from Martin, and a reply from Jeff. It also shows a modal for replying with options like 'Reply', 'Note', and 'Assign'.
- Profile View:** On the right, there is a detailed view of Louise Tieman's profile, including her account information (Email: louise@projmap.io, User ID: 269), activity history (Signed up 3m ago, Last seen 1m ago, Last contacted 1d ago), and company details (Company ID: 141, Company last seen 2m ago, Company created at 2y ago, Users: 9,003, Plan: Dynamite+, Monthly Spend: \$99.00).

**readme Screenshot Details:**

- Header:** Shows 'readme' with a speech bubble icon.
- Welcome Message:** 'Hi Yi-An! 😊'
- Text:** 'Please expect response times equivalent to email support. We are not at live chat speeds just yet :)'.
- Buttons:** 'Start a conversation' and 'New conversation'.
- User Profile:** Shows three user profiles with small profile pictures.
- Search Bar:** 'What are you looking for?' with a 'Search our documentation' input field.
- Footer:** 'We run on Intercom'.

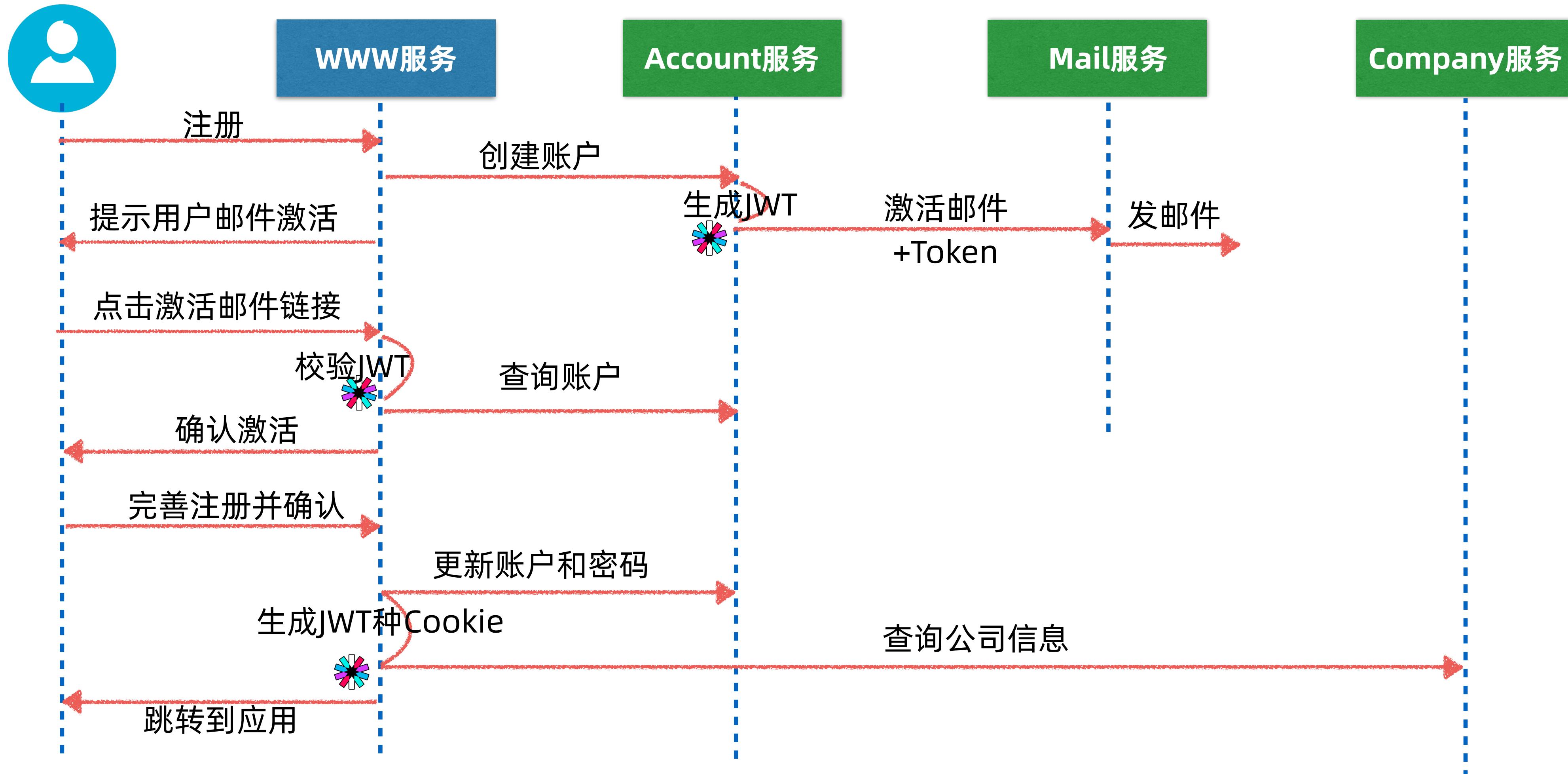
国内：Udesk、环信、美洽、智齿云客服等



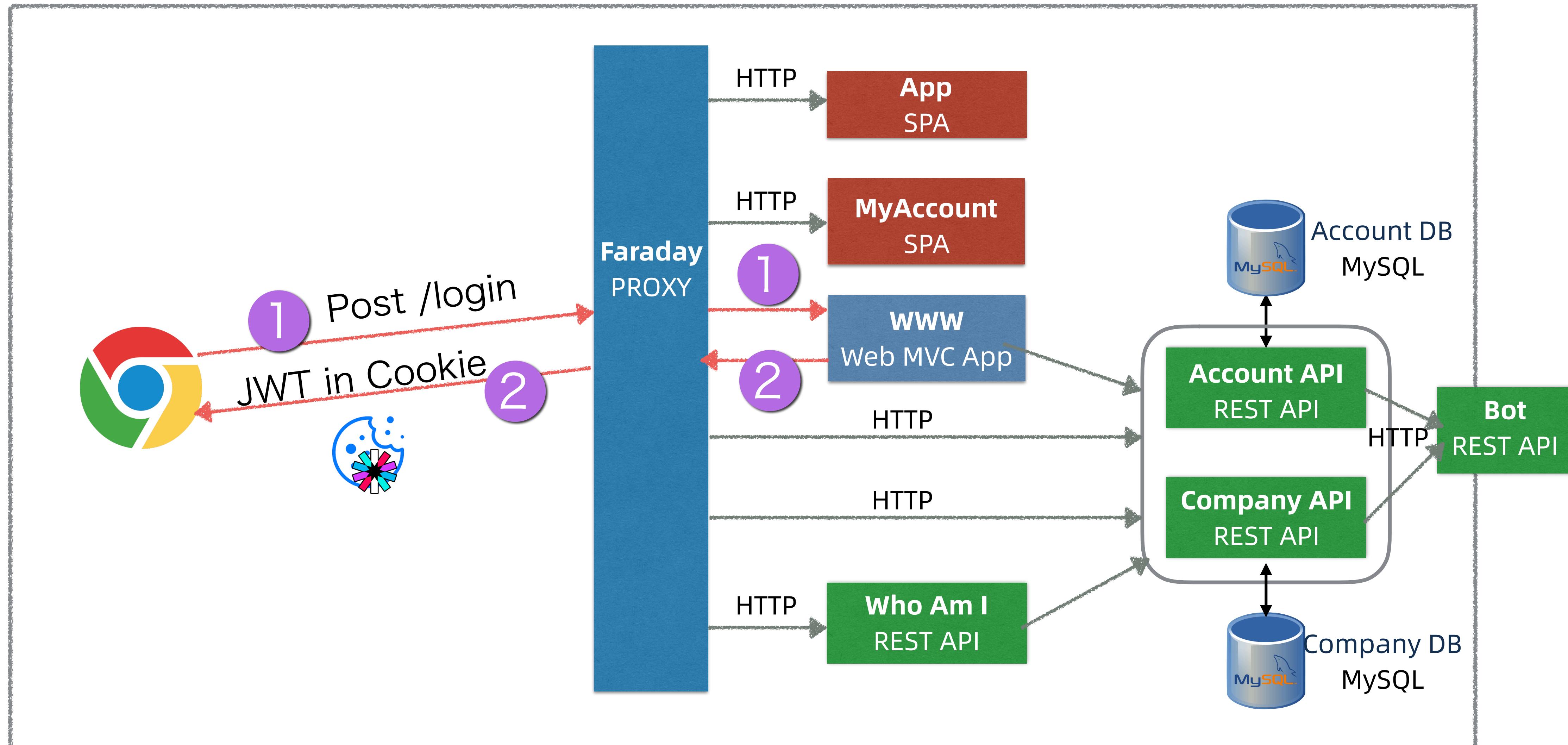
第 6 部分

WWW 服务

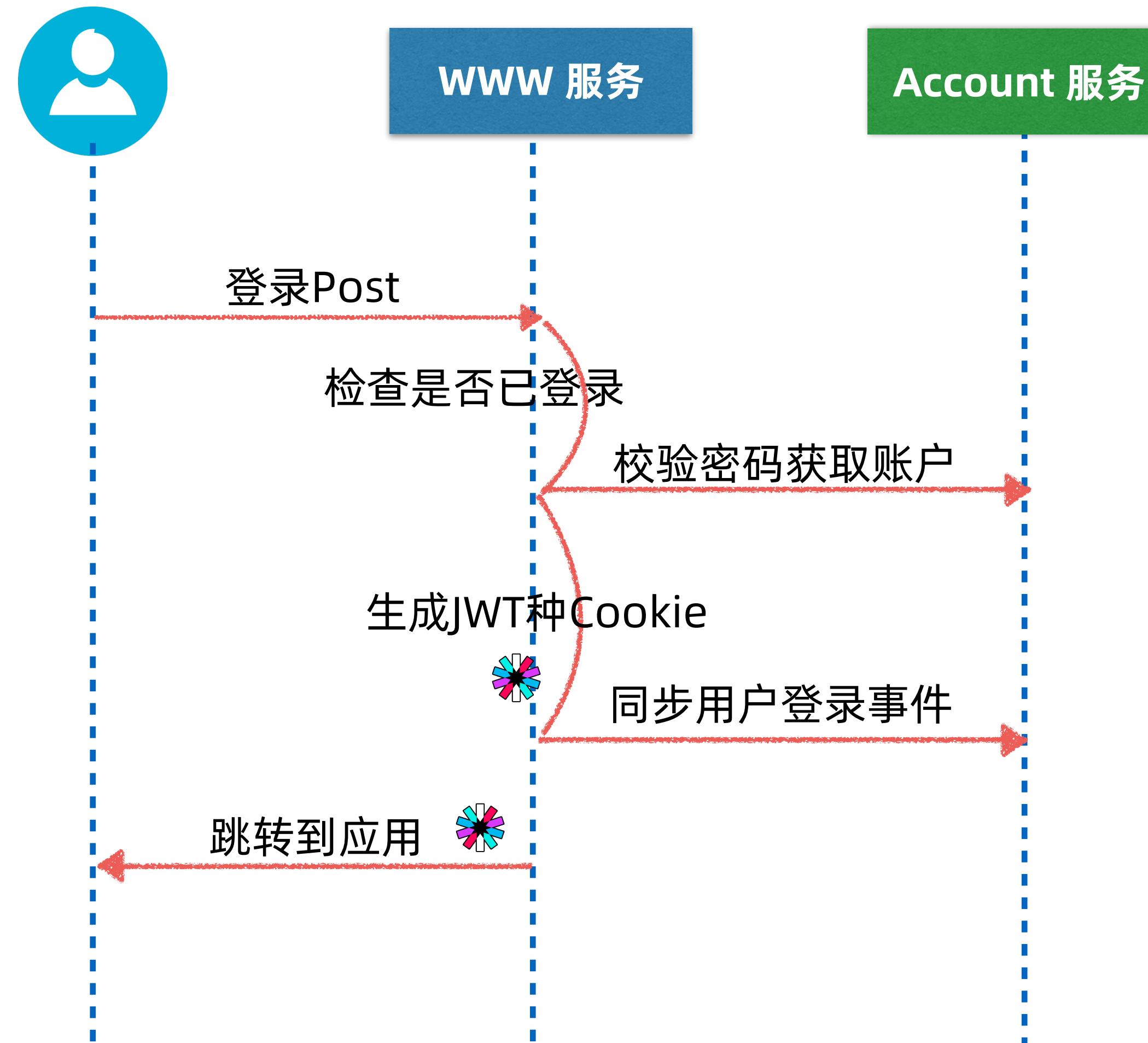
# 注册激活流程

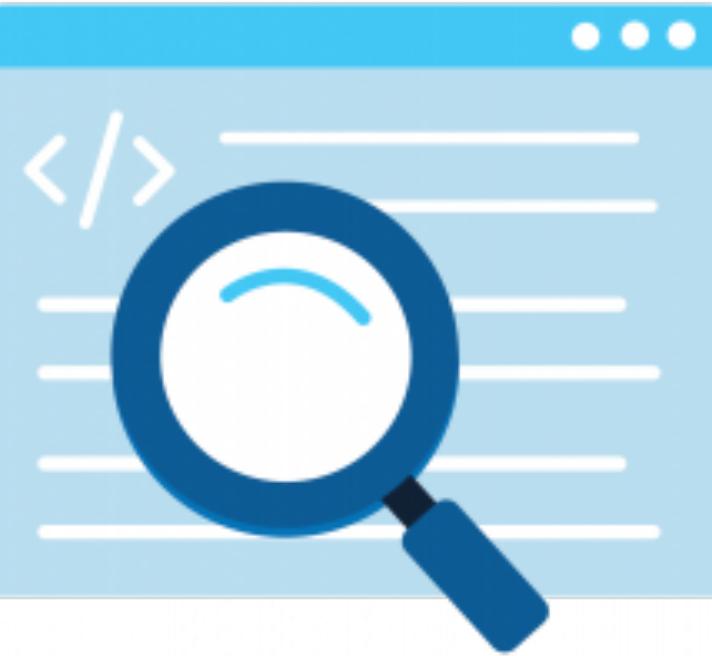


# Staffjoy Auth ~ 登录认证阶段



# 登录流程

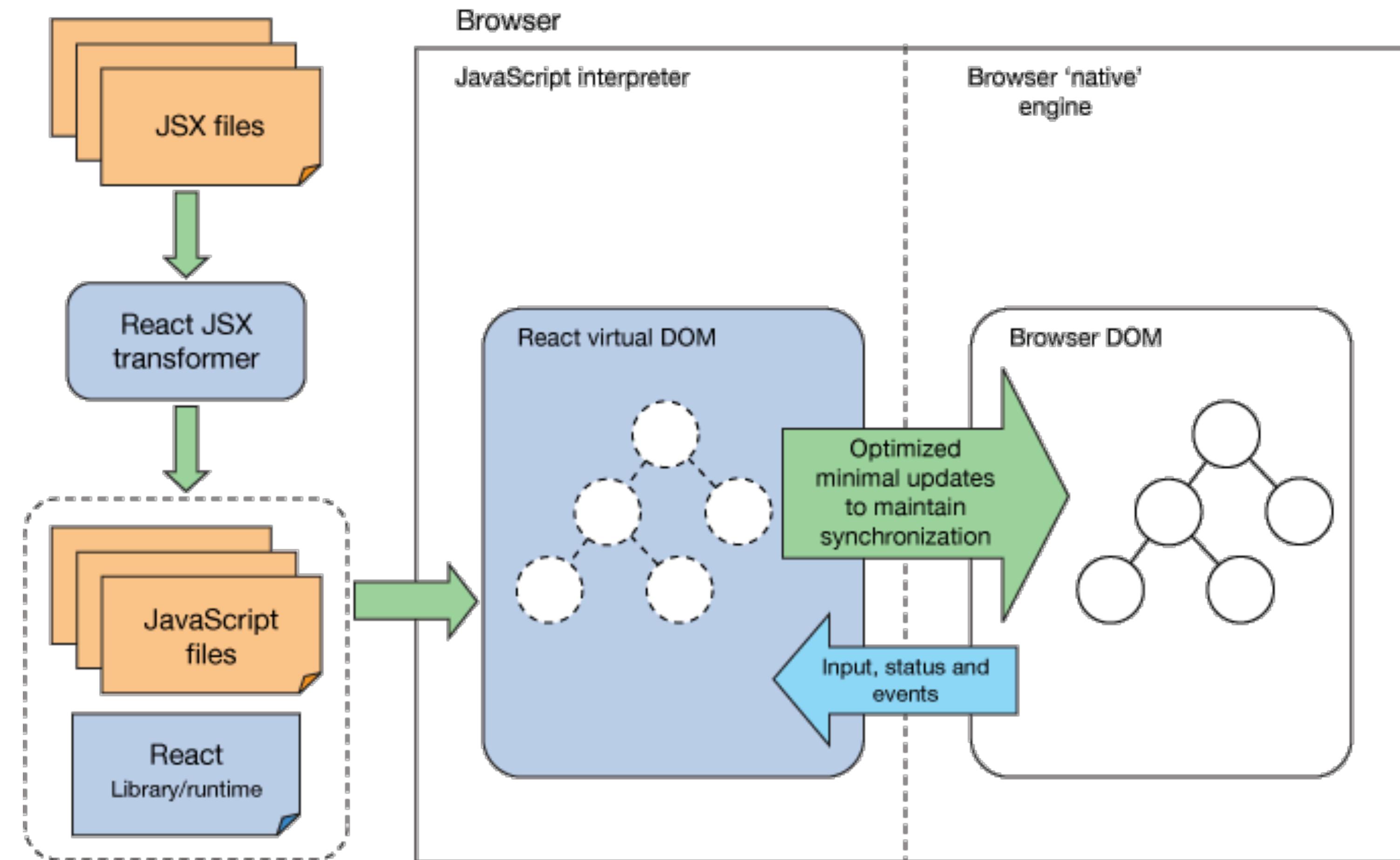




第 7 部分

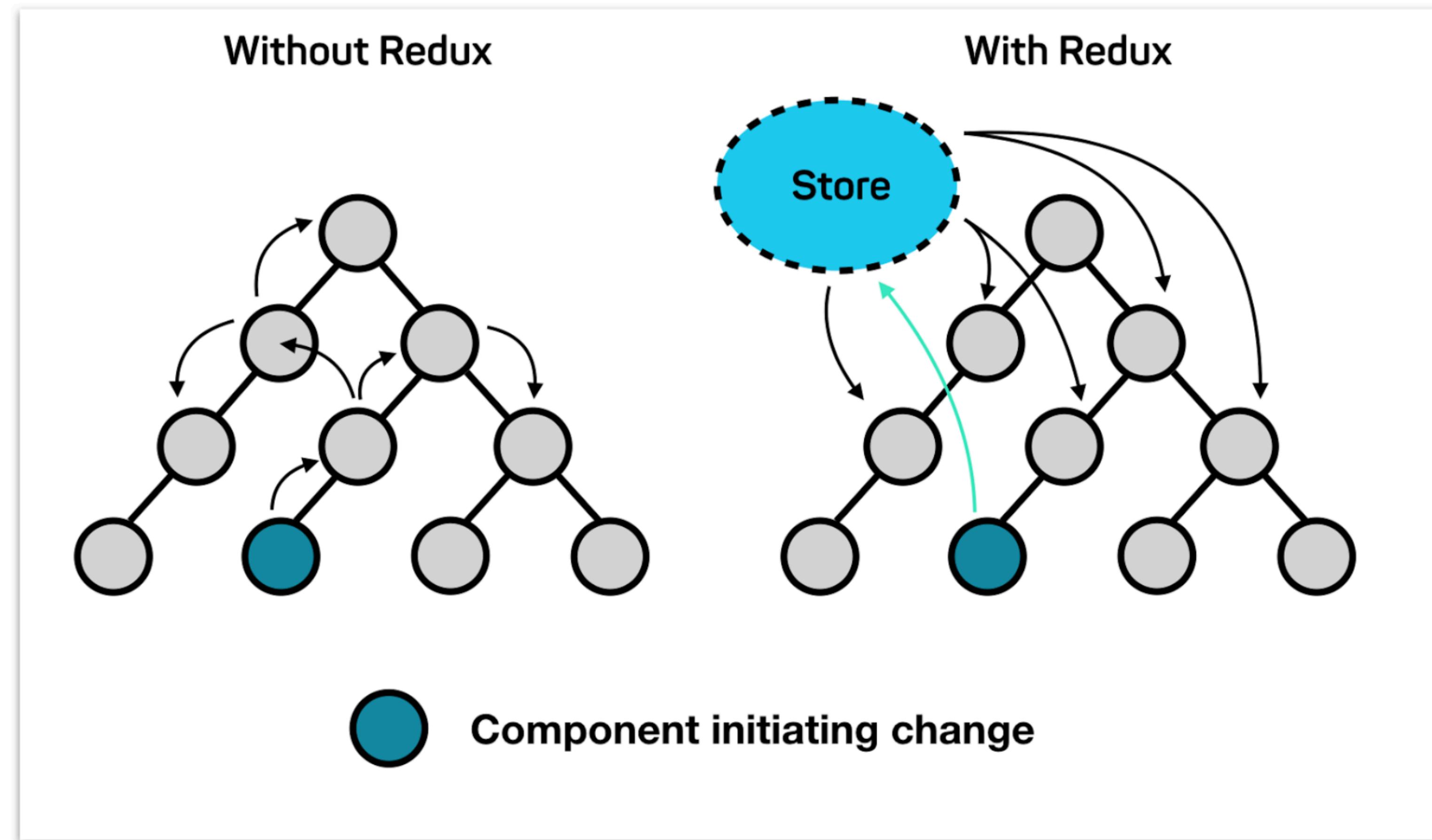
# MyAccount & App 单页应用

# ReactJS 架构



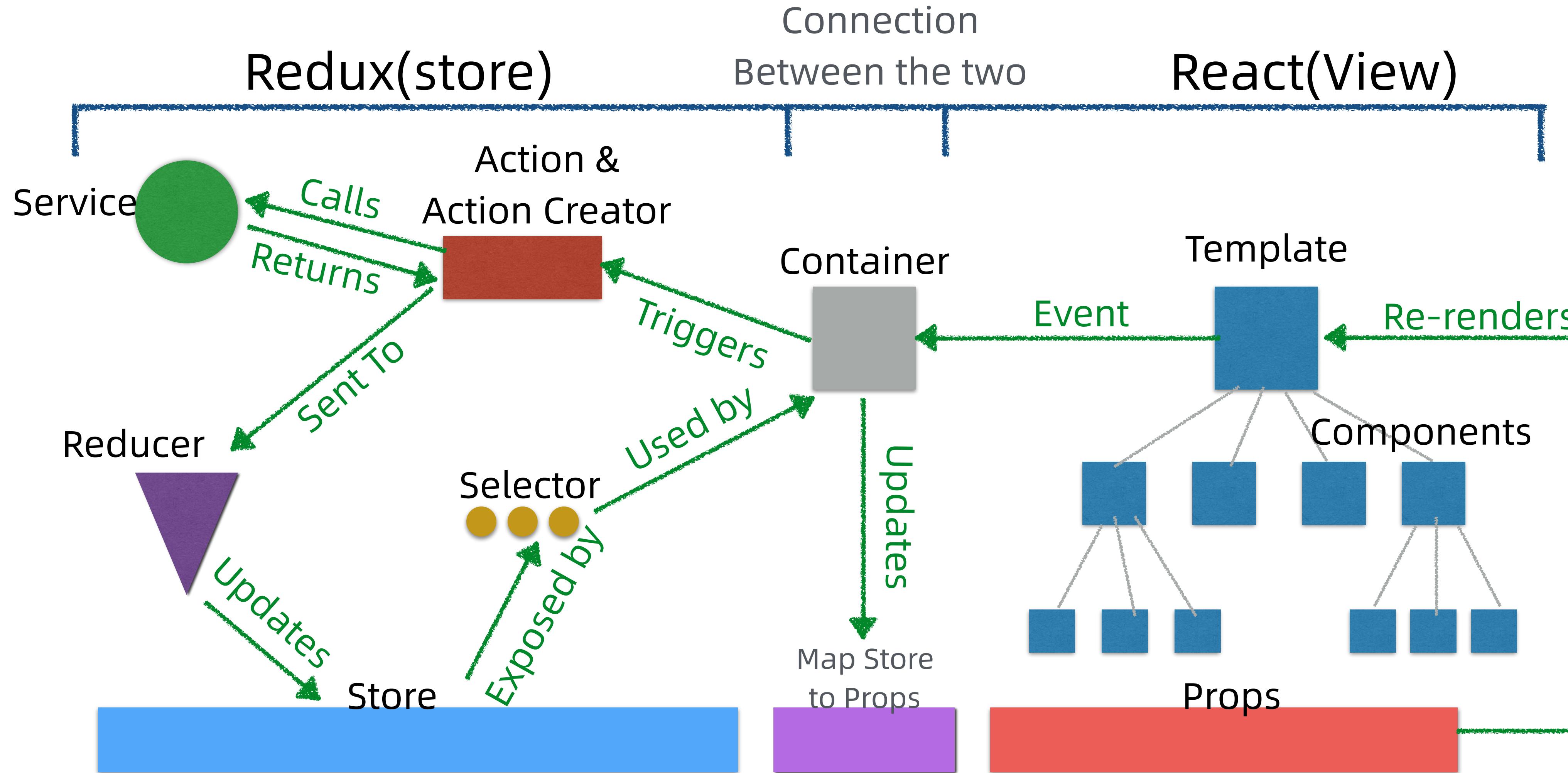
<https://developer.ibm.com/tutorials/wa-react-intro/>

# Why Redux



<https://blog.codecentric.de/en/2017/12/developing-modern-offline-apps-reactjs-redux-electron-part-3-reactjs-redux-basics/>

# Redux 架构



# 更多 Redux 架构流程图

<https://github.com/reduxjs/redux/issues/653>



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