XPush

REAL-TIME WEB COMMUNICATION PLATFORM

XPUSH 개발팀
(http://xpush.github.io)

2014.11.15

> For your REAL-TIME Services
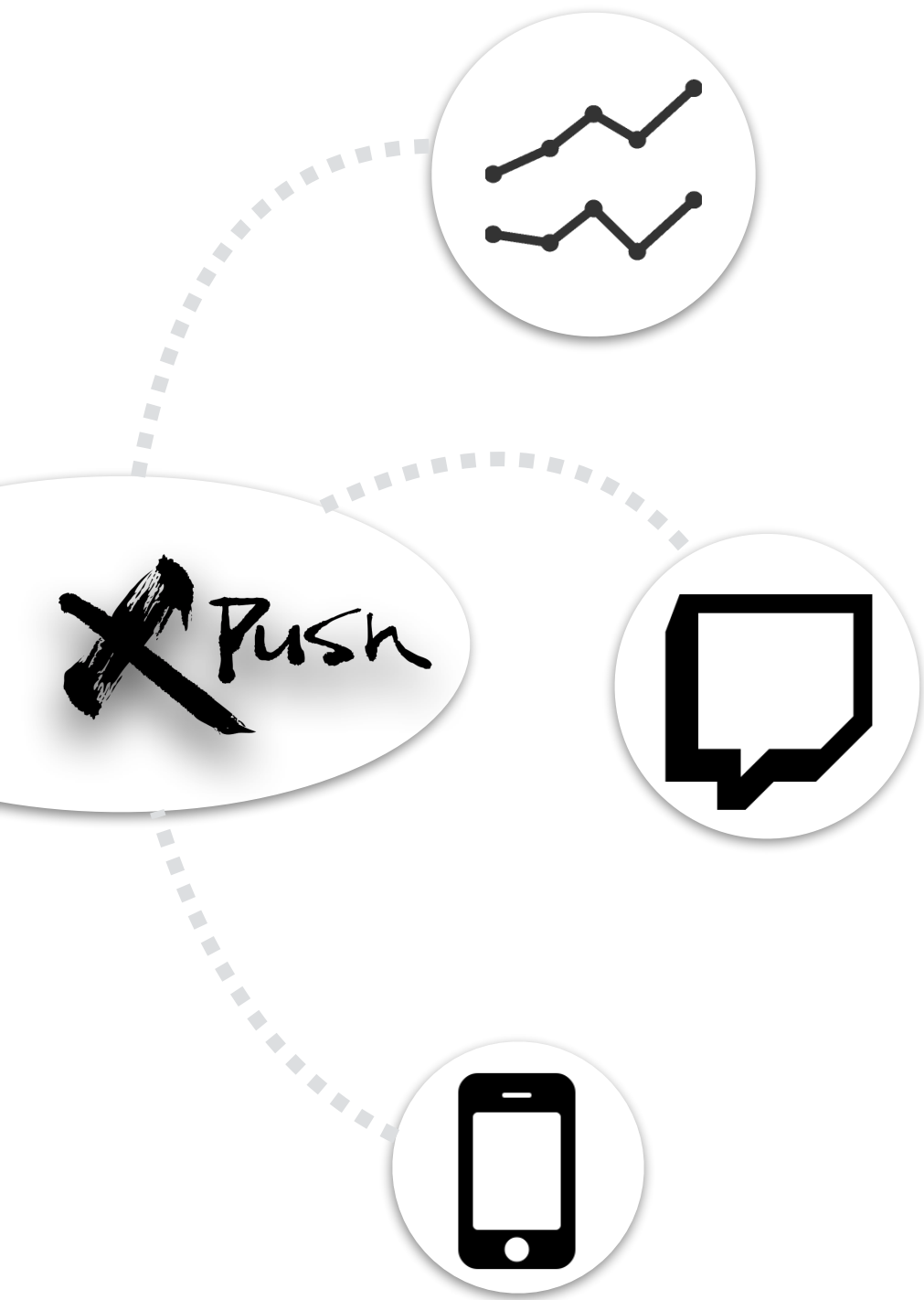
Chatting

체팅 기능을 만드는데, 서버 개발을 할 시간이 없다.

Messenger

모바일 App, Desktop S/W, 웹브라우져 에서
모두 동작할 수 있는 메신져를 만들고 싶다

Dashboard

수많은 사용자가 함께 보는 실시간 상황판인데,
수시로 서버를 늘렸다 줄였다 해야 한다.

**그 외, Private Push Notification 과 같은
메시지 전송이 보장되어야 하는 실시간 서비스**

Push

> 실시간 서비스를 개발하기 위한 서버 플랫폼

ACCESS Authentication

SESSION Control

DATA Storage

PUSH Notification

USER Management

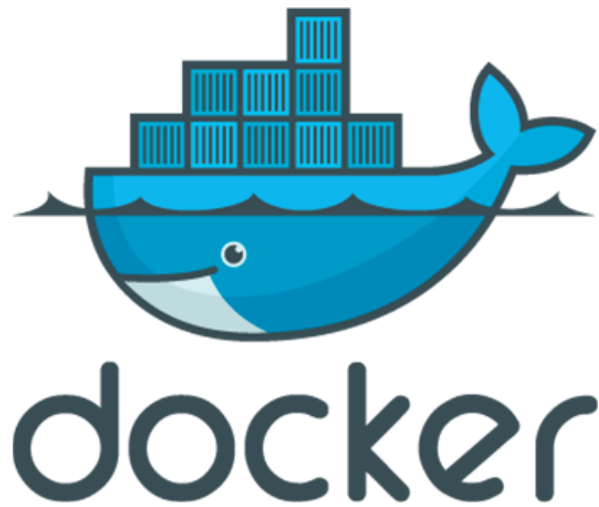**DEVICE** Management

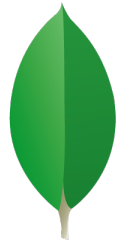**ZooKeeper™**
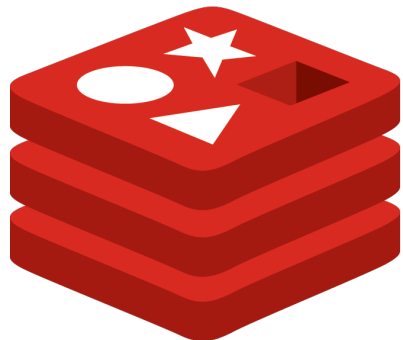
> 간단히 설치하여 사용할 수 있는 설치형 서버 플랫폼

 # 개발자 프로토타입용으로 한번에 설치

```
> docker run stalk/xpush:standalone
```


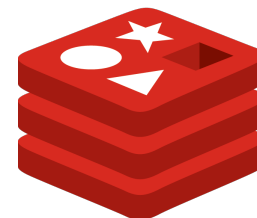XPUSH **SESSION** SERVER   XPUSH **CHANNEL** SERVER
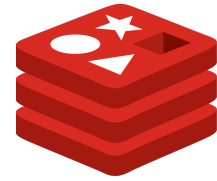
 # 운영을 고려한 분산 서버 구성

```
> docker run stalk/xpush --session --port 8000
> docker run stalk/xpush --channel --port 9001
> docker run stalk/xpush --channel --port 9002
```


| XPUSH **SESSION** SERVER | XPUSH **CHANNEL** SERVER 1 | XPUSH **CHANNEL** SERVER 2 |

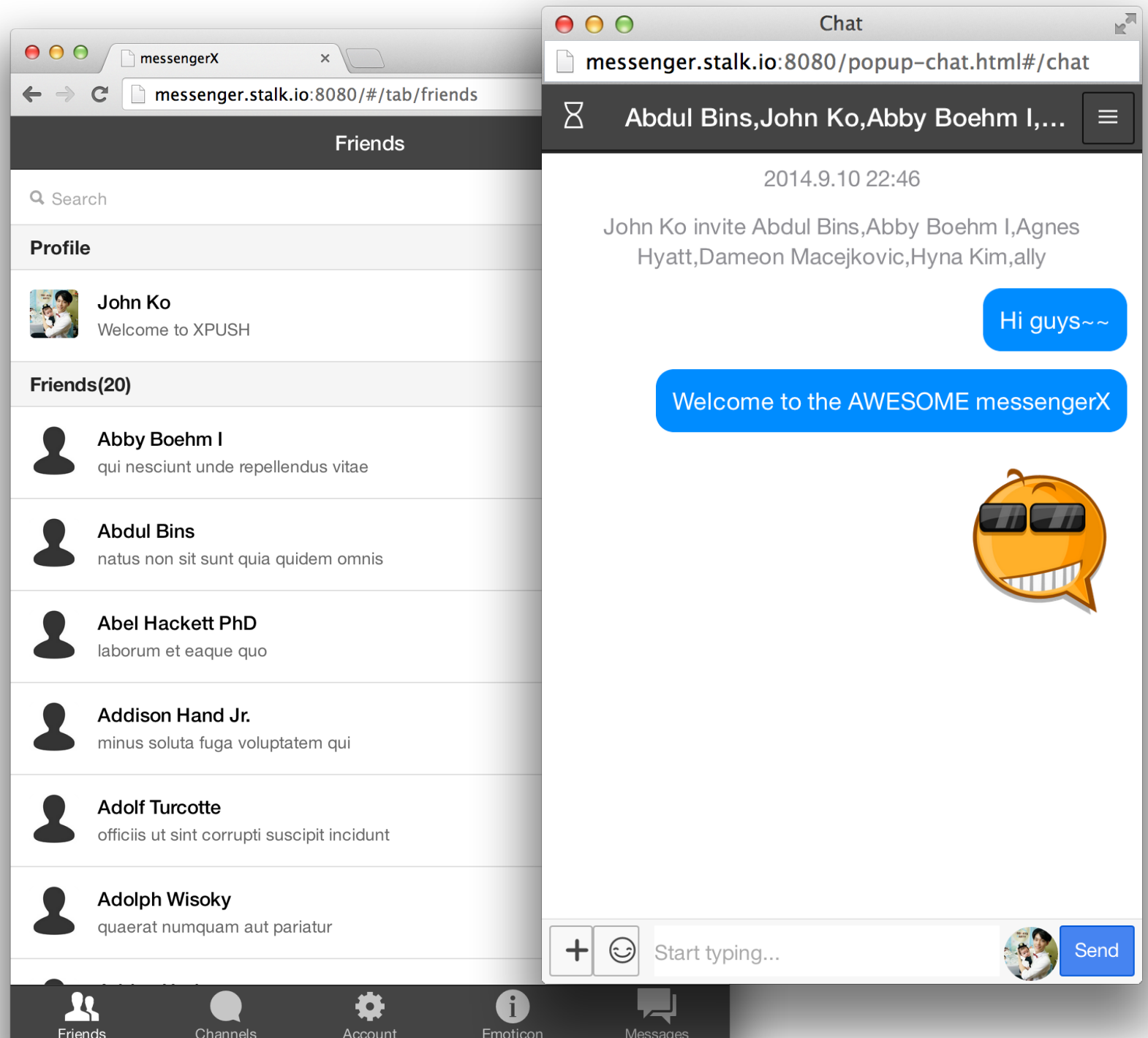http://xpush.github.io/doc/installation/index.html

> Features

Works Everywhere

At the core of XPUSH is the HTML5 **WebSocket** protocol, but we also have **fallback mechanisms** so that XPUSH just works anywhere, anytime.

Windows / Linux / OSX
Web Browsers /
Android / IOS

messengerX   ✕

← → C   messenger.stalk.io:8080/#/tab/friends

Friends

🔍 Search

Profile

John Ko
Welcome to XPUSH

Friends(20)

Abby Boehm I
qui nesciunt unde repellendus vitae

Abdul Bins
natus non sit sunt quia quidem omnis

Abel Hackett PhD
laborum et eaque quo

Addison Hand Jr.
minus soluta fuga voluptatem qui

Adolf Turcotte
officiis ut sint corrupti suscipit incidunt

Adolph Wisoky
quaerat numquam aut pariatur

👥 Friends   🔍 Channels   ⚙ Account   ⓘ Emoticon   💬 Messages

Chat

messenger.stalk.io:8080/popup-chat.html#/chat

⧗   Abdul Bins,John Ko,Abby Boehm I,...   ☰

2014.9.10 22:46

John Ko invite Abdul Bins,Abby Boehm I,Agnes Hyatt,Dameon Macejkovic,Hyna Kim,ally

Hi guys~~

Welcome to the AWESOME messengerX

+ ☺   Start typing...   Send

> Features

Designed for developers

We help you **easily build real-time applications**. XPUSH was designed for developers.

Documentation about XPUSH

Updated: September 8, 2014.

We offers the documents of how to install, run and use the API of XPUSH.

Install the XPUSH platform to your local and server environment through this document, and let's start the development of various applications tha leverage the XPUSH.

GETTING STARTED

And we will explain how to install the XPUSH and how to create a configuration file.

> Quick-start guide recommended

For your fastest experience for the XPUSH, you can make the simple application through sample by installing directly.

Please try to run the sample application by directly install the image file that is configured in the docker container.

> Installation

XPUSH use MongoDB, redis, and zookeeper to storage data and manage the real-time session and distributed environment. Before you install the X first we will explain how to install this kind of open-source server.

And, we will explain how to install the XPUSH with npm(node package manager) or docker image.

> Configuration

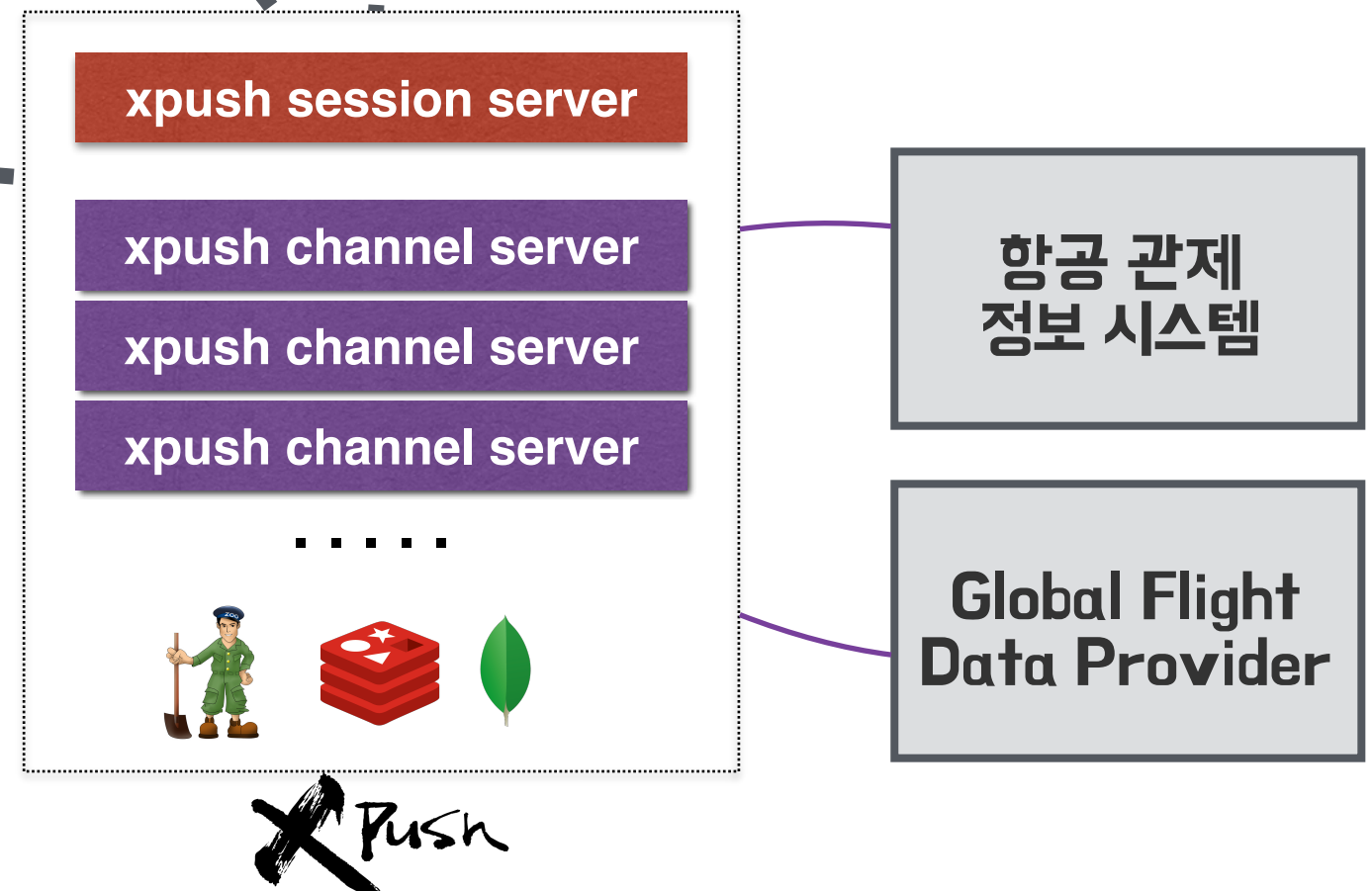It describes the configuration parameters and how to create a configuration file in order to run the XPUSH.

Scalable Web Architecture

XPUSH was designed to work with **commodity servers**, an elastic virtualised environments saving you money and headaches. **A scalable web application can handle growth – of users or work – without requiring changes to the source code and stoping existed servers.**
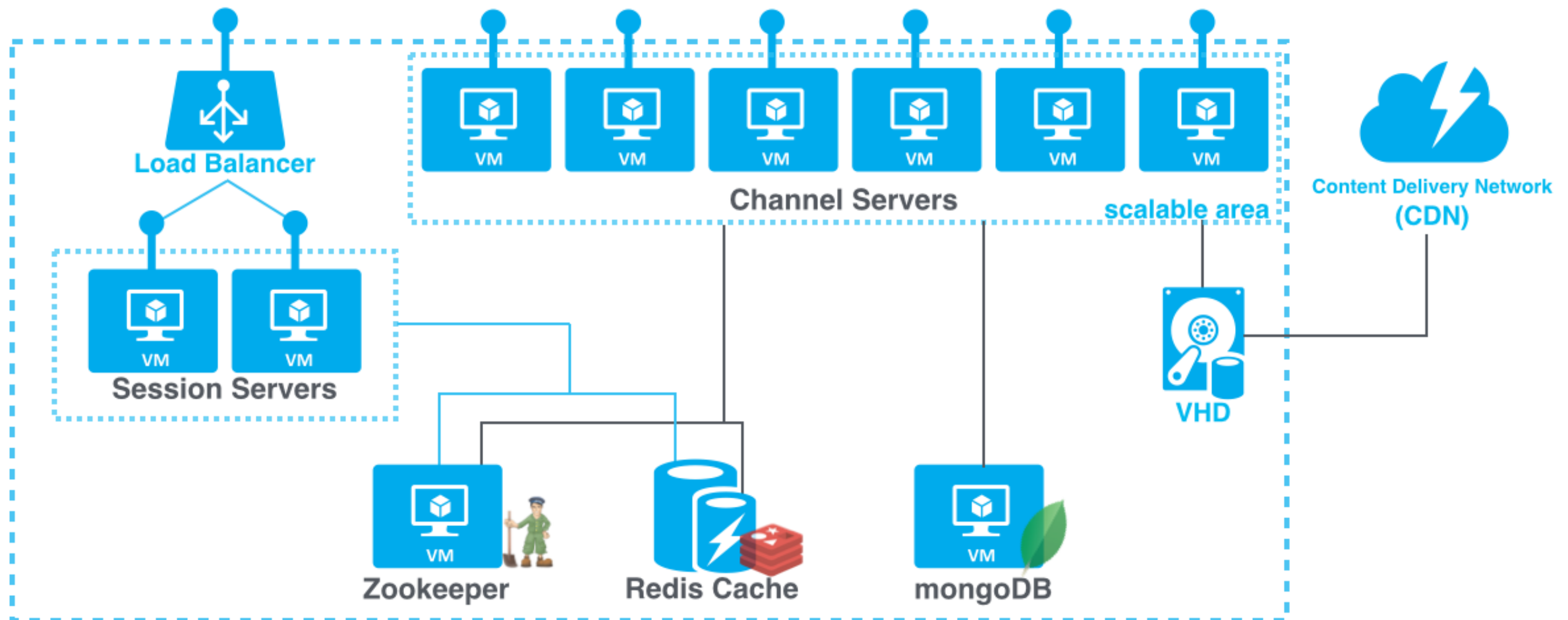
적용 예시

Advanced FIDS (Flight information display system)

xpush session server

xpush channel server

xpush channel server

xpush channel server

. . . . .

항공 관제
정보 시스템

Global Flight
Data Provider

> 적용 예시

정부민원포털, 정부민원콜센터
온라인 상담 서비스

고객센터로 전화 할때 (현재 서비스 되고 있음)

사용자 1 ─── 전화국 ─── **PBX**

CTI 에서
대기중인 상담원 찾기

CTI

xpush session server

xpush channel server

홈페이지 내부에서 민원 상담 체팅

xpush channel server

사용자 2 ─── xpush channel server

사용자와 상담원은 같은 체널 서버에 연결되어
실시간 대화 진행

상담원 A

상담원 B

상담원 C

. . . . . .

공개S/W개발자대회 이후로 그는 LOL 을 그만두게 되었습니다.

Public contributions

Nov   Dec   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct

Summary of Pull Requests, issues opened, and commits. Learn more.

Less [ ][ ][ ][ ] More
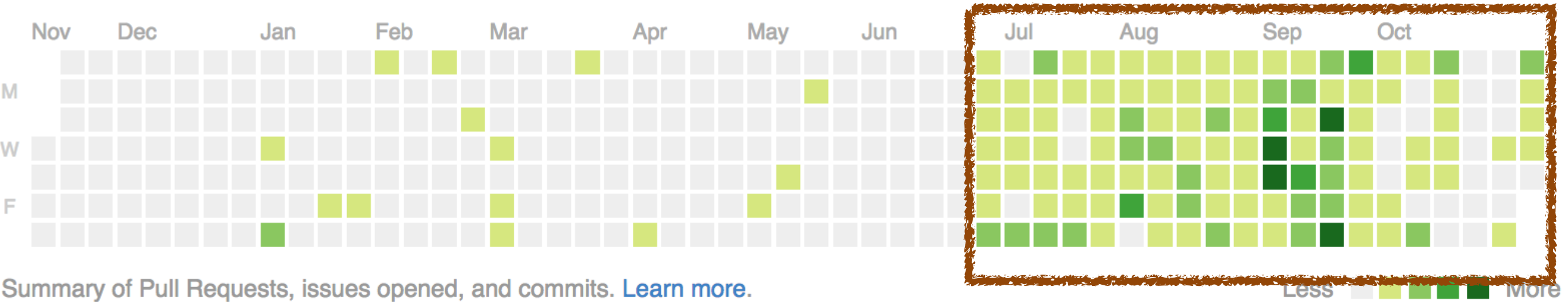
Year of contributions
465 total
Nov 13, 2013 – Nov 13, 2014

Longest streak
58 days
August 10 – October 6

Current streak
5 days
November 8 – November 12

XPUSH 를 사용하여 개발한 서비스 데모

1. Web Chat Service - STALK.IO
2. Messenger X