CHAT HUB
YOUR ULTIMATE COMMUNICATION SOLUTION

Group Assignment - Management of Computation Infrastructures 2023/24
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TP1 Class

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INTRODUCTION

- ChatHub (our rebranding of TailChat)
  - Open-source noIM (not only instant messaging) application
  - Complete basic ability of instant messaging
  - Plugin architecture: easy expansion, third-party integration
  - <u>Micro-service architecture</u>: horizontal expansion
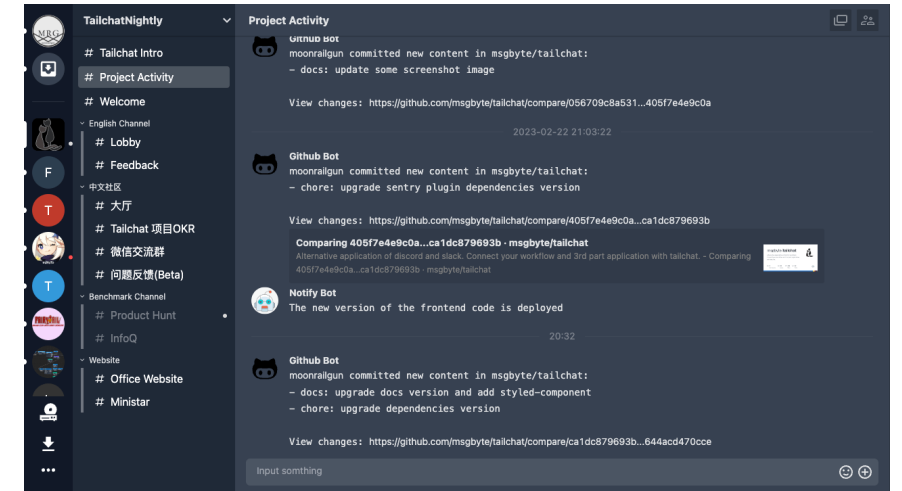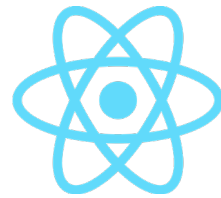
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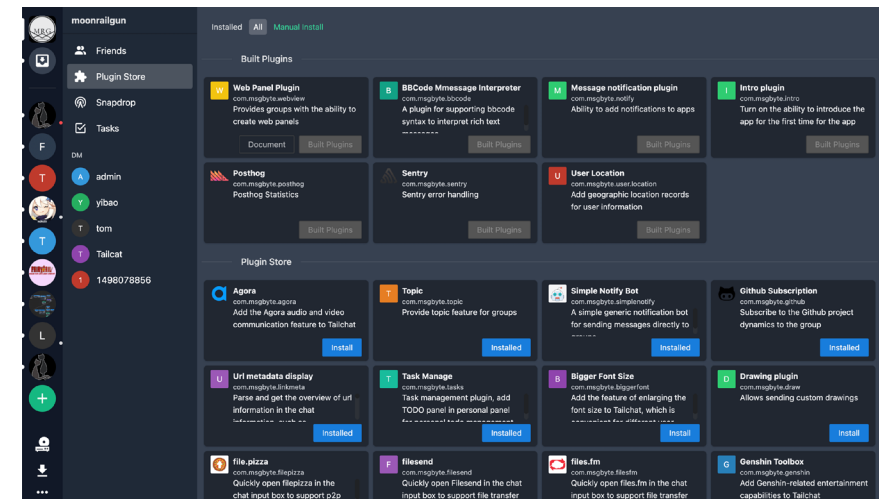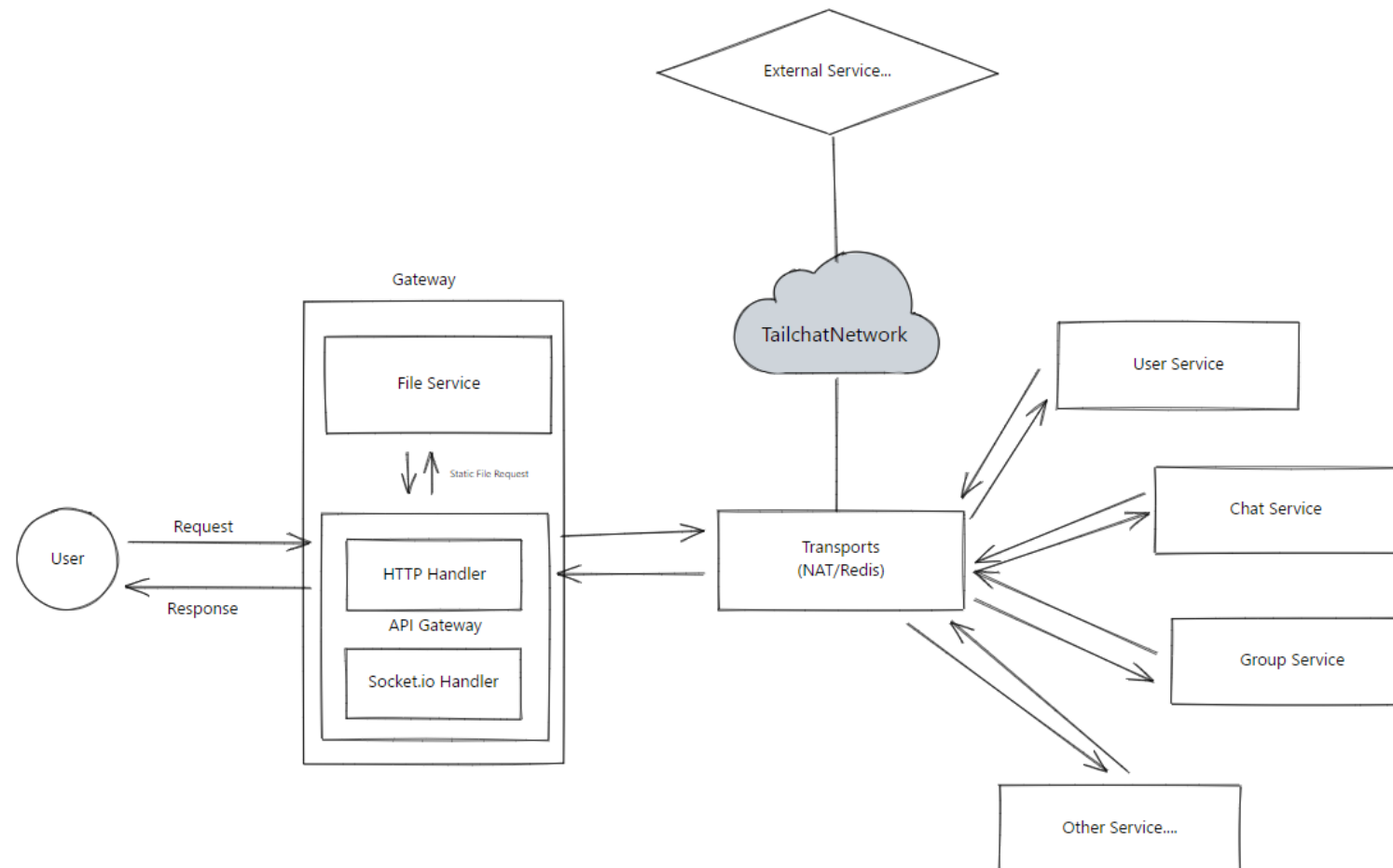
SOFTWARE AND KEY TECNOLOGIES

- Front-end micro-kernel architecture + back-end micro-service architecture makes ChatHub to control any customized/privatized scenarios.

- **Technology Stack**
  - React (Frontend)
  - Node.js (Backend)
  - MongoDB
  - Redis
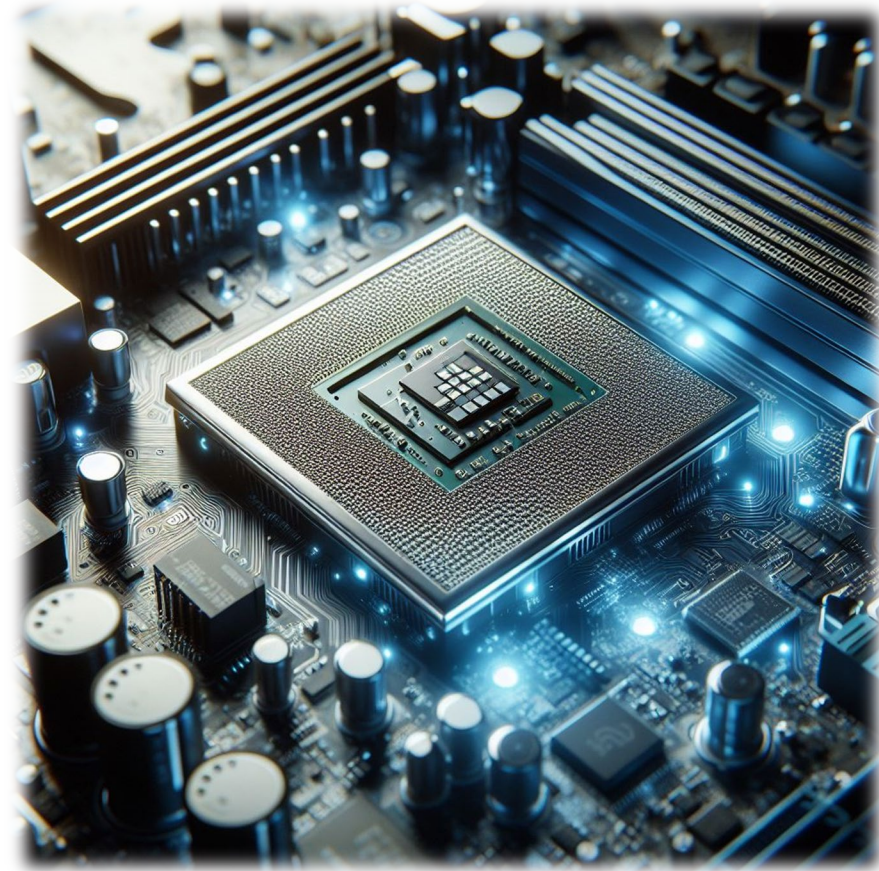 - Minio
  - Traefik
  - Rsyslog

SOFTWARE AND KEY TECNOLOGIES

SCENARIO

- **Type of users**
  - Business or Individual users

- **Number of users**
  - Around 10000

- **Requirements:**
  - 8 GB RAM
  - 4 Core Processor
  - 100 GB
  - 1 GB/s of bandwidth

DEPLOYMENT STRATEGY

Chathub Core Services	Plugin Service	MongoDB	Minio
Open Platform	Traefik	Redis	Rsyslog

WEBSITE

https://gic-assignment-chathub.github.io/website/