CLICK, CLICK, BOOM! FROM LAG TO LIGHTNING: MONITORING YOUR 1 MILLION+ PLAYER GAMING APP

SIDDHARTH VIJAY

AVP-ENGG, POKERBAAZI (BAAZI GAMES)

WHO AM I?

SIDDHARTH IS A DYNAMIC AND ACCOMPLISHED TECH LEADER, RENOWNED FOR DELIVERING CUTTING-EDGE SOLUTIONS AND CHAMPIONING TECH EXCELLENCE. WITH 12 YRS OF EXP, HE BOASTS AN IMPRESSIVE BACKGROUND IN TECHNOLOGY, LEADING HIGH-PERFORMING ENGG TEAMS, AND SUCCESSFULLY LAUNCHING ONLINE GAMES SERVING OVER A MILLION POKER ENTHUSIASTS ANNUALLY. HE'S AN INTERNATIONAL CONFERENCE SPEAKER, A PROLIFIC TECHNICAL BLOGGER, AND AN ACTIVE LEADER IN MULTIPLE DEVOPS COMMUNITIES. HIS ACCOLADES INCLUDE BEING A TWO-TIME RECIPIENT OF THE BEST DEVOPS LEADER OF THE YEAR AWARD, HIGHLIGHTING HIS EXCEPTIONAL CONTRIBUTIONS AND LEADERSHIP IN THE FIELD.

POKERBAAZI

INDIA'S BIGGEST ONLINE POKER PLATFORM

POKERBAAZI, A PROMINENT NAME IN THE ONLINE POKER ARENA, OFFERS AN UNPARALLELED GAMING EXPERIENCE BACKED BY ITS EXTENSIVE PLAYER BASE. AS INDIA’S LEADING ONLINE POKER PLATFORM, WE HAVE GARNERED THE TRUST AND LOYALTY OF OVER 35 LAC POKER PLAYERS.

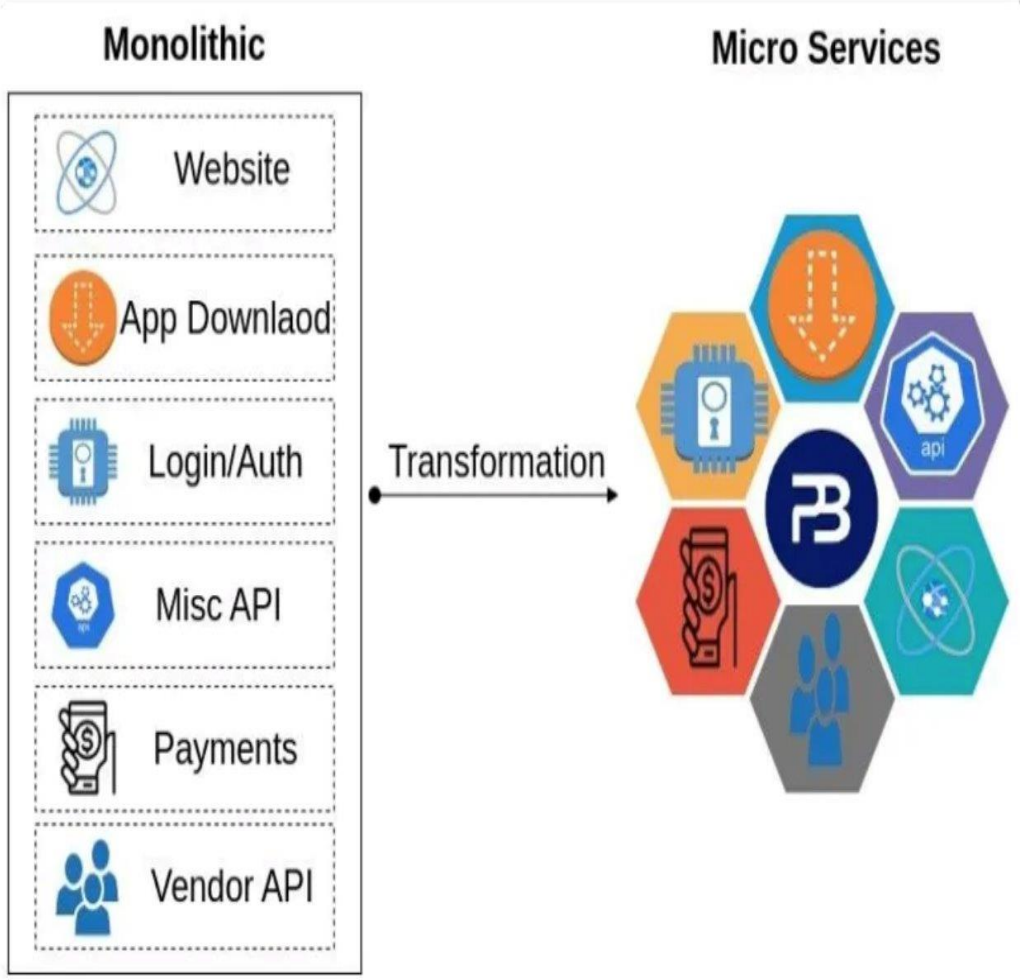
WITH A WIDE RANGE OF POKER TOURNAMENTS, CASH GAMES, AND INNOVATIVE FEATURES, POKERBAAZI CATERS TO BOTH BEGINNERS AND SEASONED PLAYERS, FOSTERING A DYNAMIC AND INCLUSIVE POKER ECOSYSTEM. THE PRESENCE OF OVER 35 LAC TRUSTED PLAYERS STAND AS A TESTAMENT TO POKERBAAZI'S DEDICATION TO DELIVERING TOP-NOTCH ENTERTAINMENT AND COMPETITIVE POKER ACTION IN A FAIR, SECURE AND RELIABLE ENVIRONMENT.

OBSERVABILITY

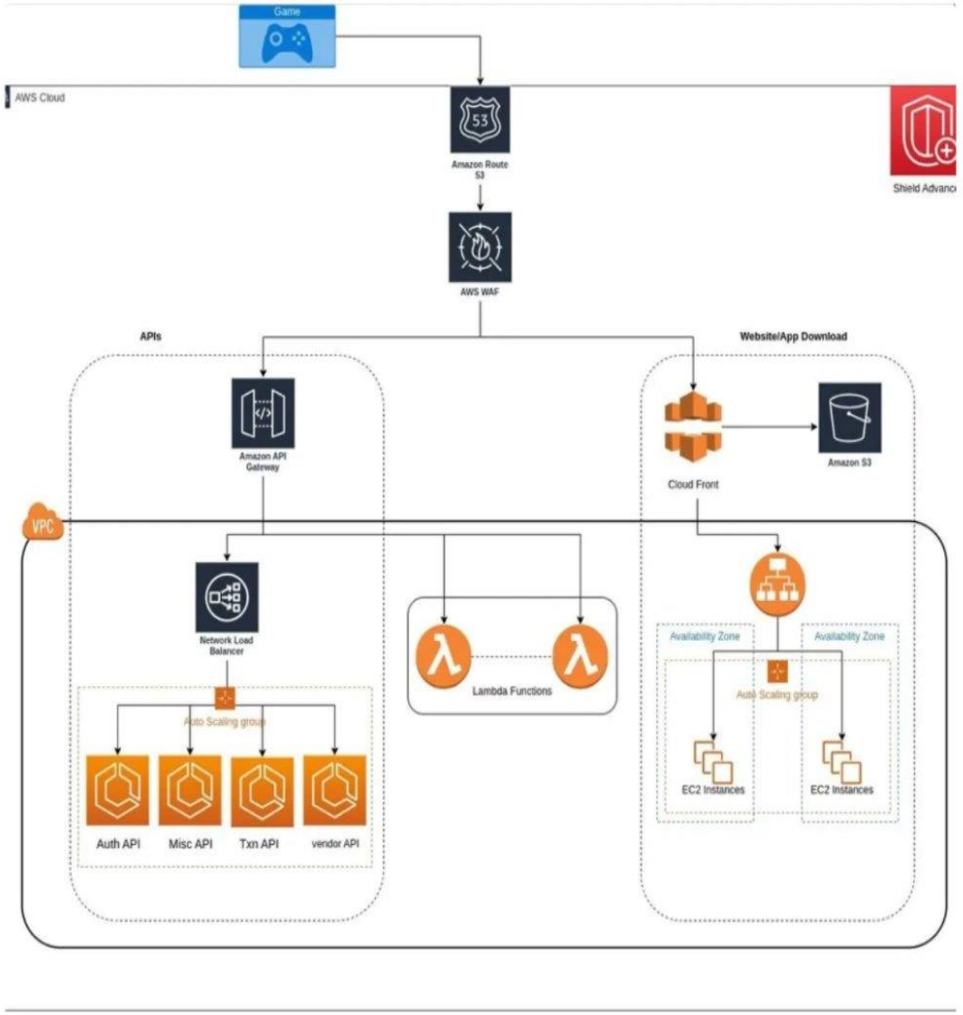
OBSERVABILITY IS A KEY CONCEPT IN MODERN SOFTWARE DEVELOPMENT AND OPERATIONS, PARTICULARLY IN COMPLEX, DISTRIBUTED SYSTEMS LIKE MICROSERVICES ARCHITECTURES. IT REFERS TO THE ABILITY TO UNDERSTAND THE INTERNAL STATE OF A SYSTEM BASED ON THE OUTPUTS IT PRODUCES, SUCH AS LOGS, METRICS, AND TRACES. UNLIKE TRADITIONAL MONITORING, WHICH TYPICALLY FOCUSES ON SPECIFIC METRICS OR PREDEFINED FAILURE CONDITIONS, OBSERVABILITY PROVIDES A BROADER AND MORE DETAILED VIEW, ALLOWING TEAMS TO GAIN DEEPER INSIGHTS INTO SYSTEM BEHAVIOR.

OBSERVABILITY IS CRUCIAL FOR IDENTIFYING AND DIAGNOSING ISSUES, UNDERSTANDING PERFORMANCE BOTTLENECKS, AND ENSURING SYSTEM RELIABILITY AND RESILIENCE. IT ENABLES TEAMS TO ASK NEW QUESTIONS AND QUICKLY INVESTIGATE ANOMALIES OR UNEXPECTED BEHAVIORS, FACILITATING FASTER INCIDENT RESPONSE AND MORE INFORMED DECISION-MAKING. TOOLS LIKE THE ELK STACK (ELASTICSEARCH, LOGSTASH, KIBANA), PROMETHEUS, AND GRAFANA ARE COMMONLY USED TO IMPLEMENT OBSERVABILITY, PROVIDING POWERFUL CAPABILITIES FOR DATA COLLECTION, VISUALIZATION, AND ALERTING.

TRANSITION FROM MONO TO MICRO ARCH

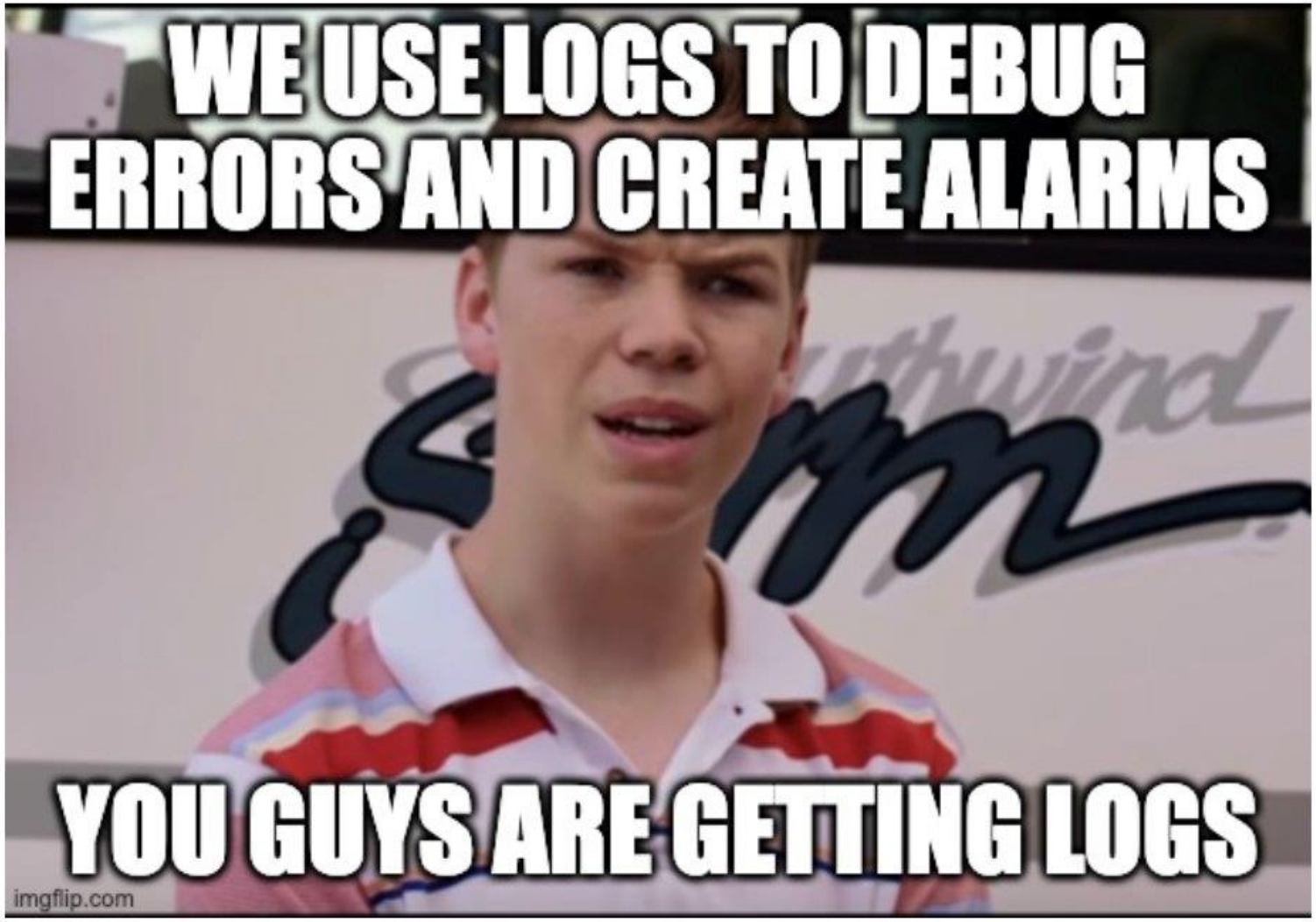


Migration to Microservices Architecture



Components of our Application Architecture

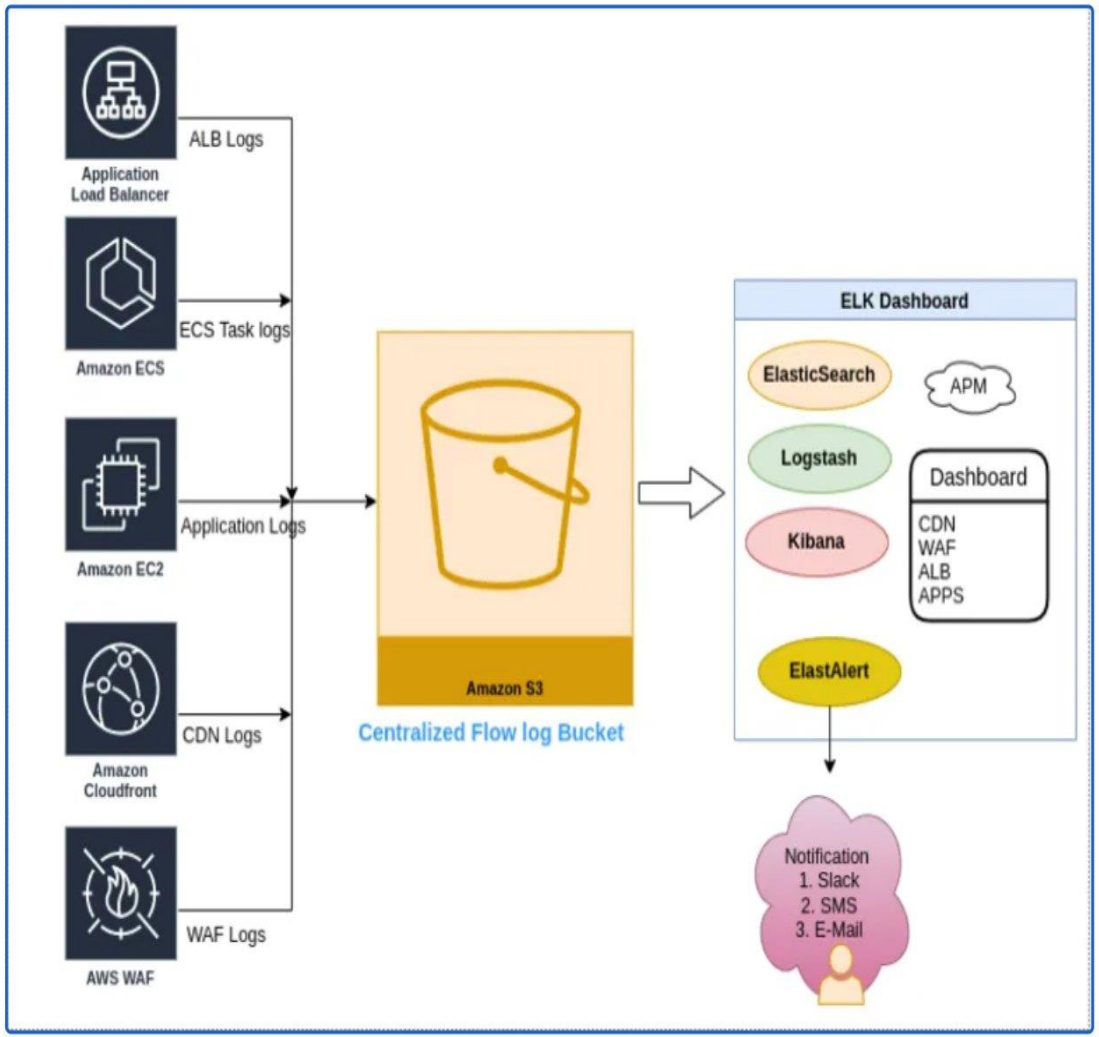
LOGGING & MONITORING



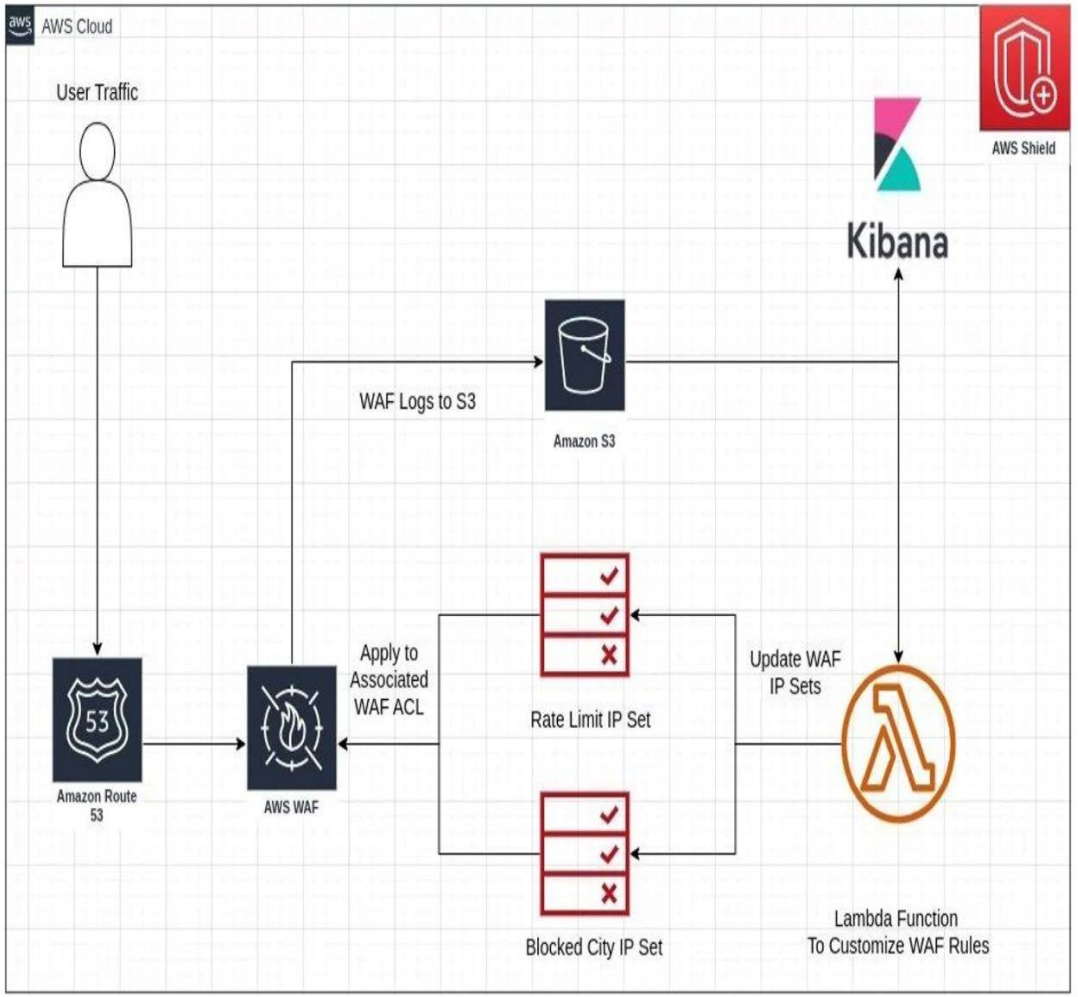
ELK - ELASTICSEARCH, LOGSTASH, AND KIBANA

1. **CENTRALIZED LOG MANAGEMENT**
2. **POWERFUL SEARCH AND ANALYTICS WITH ELASTICSEARCH**
3. **INTUITIVE DATA VISUALIZATION WITH KIBANA**
4. **SCALABILITY AND FLEXIBILITY**
5. **COST-EFFECTIVE AND OPEN SOURCE**

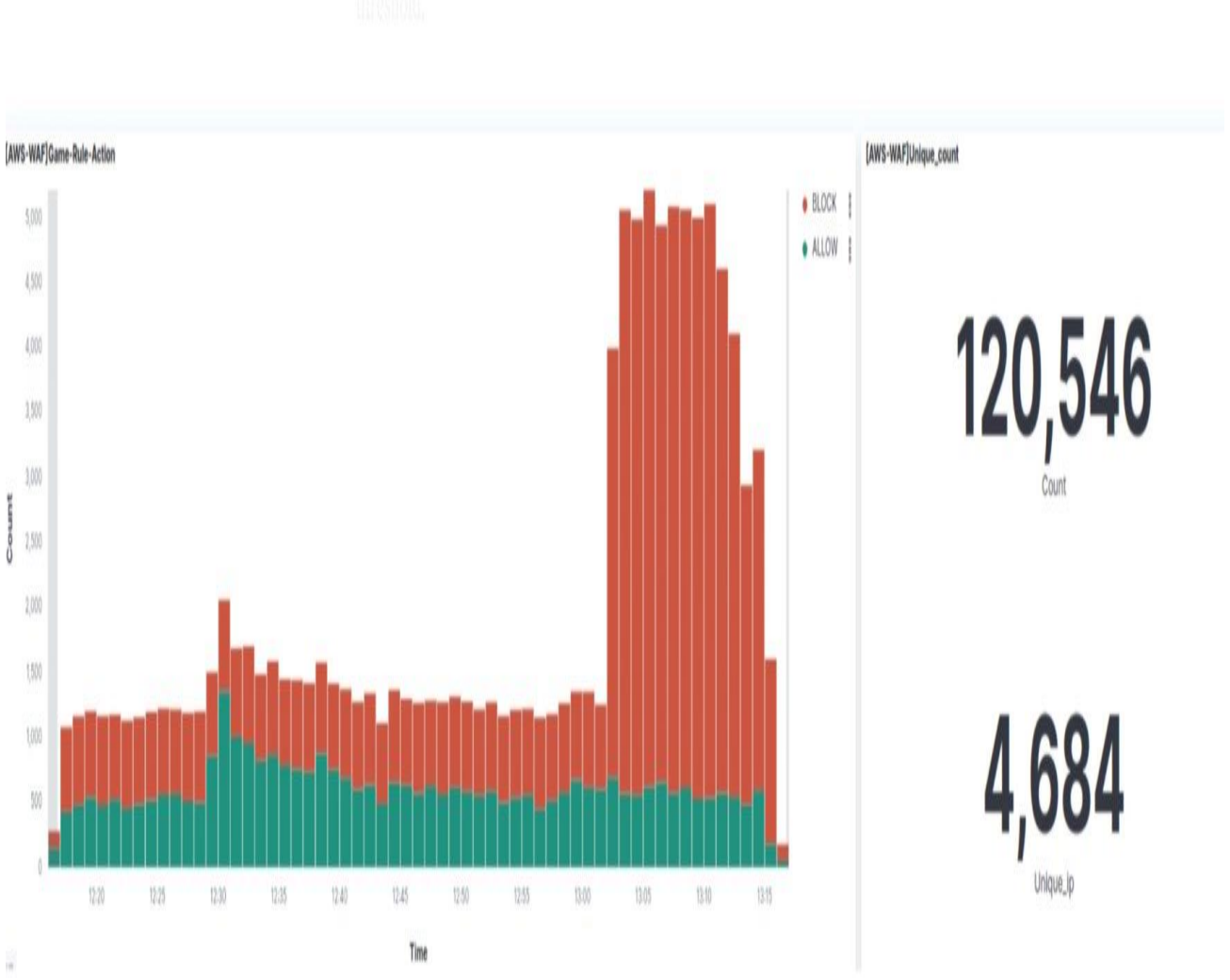
ELK : CASE 1 : CREATING CUSTOM DASHBOARDS

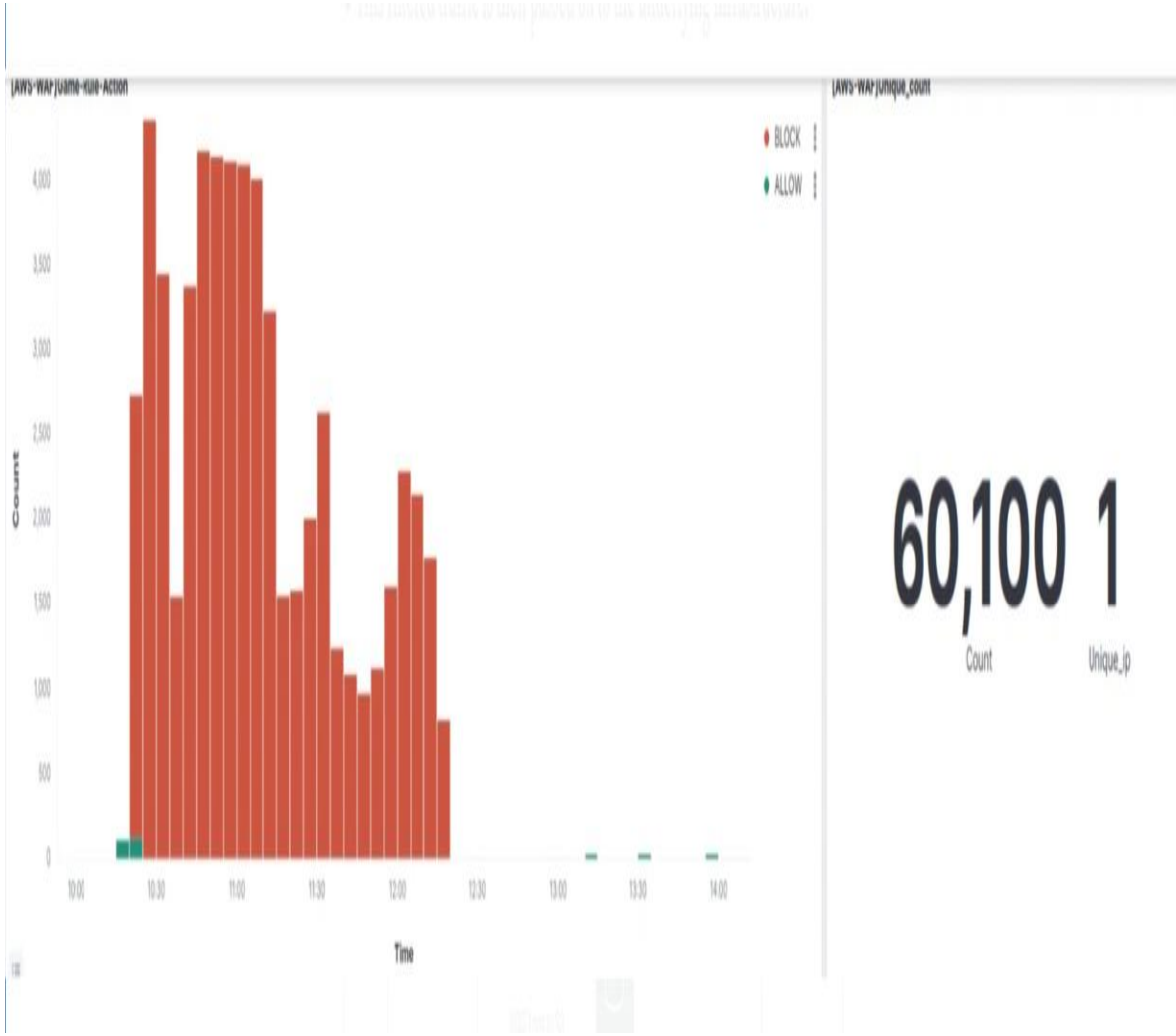


ELK Stack

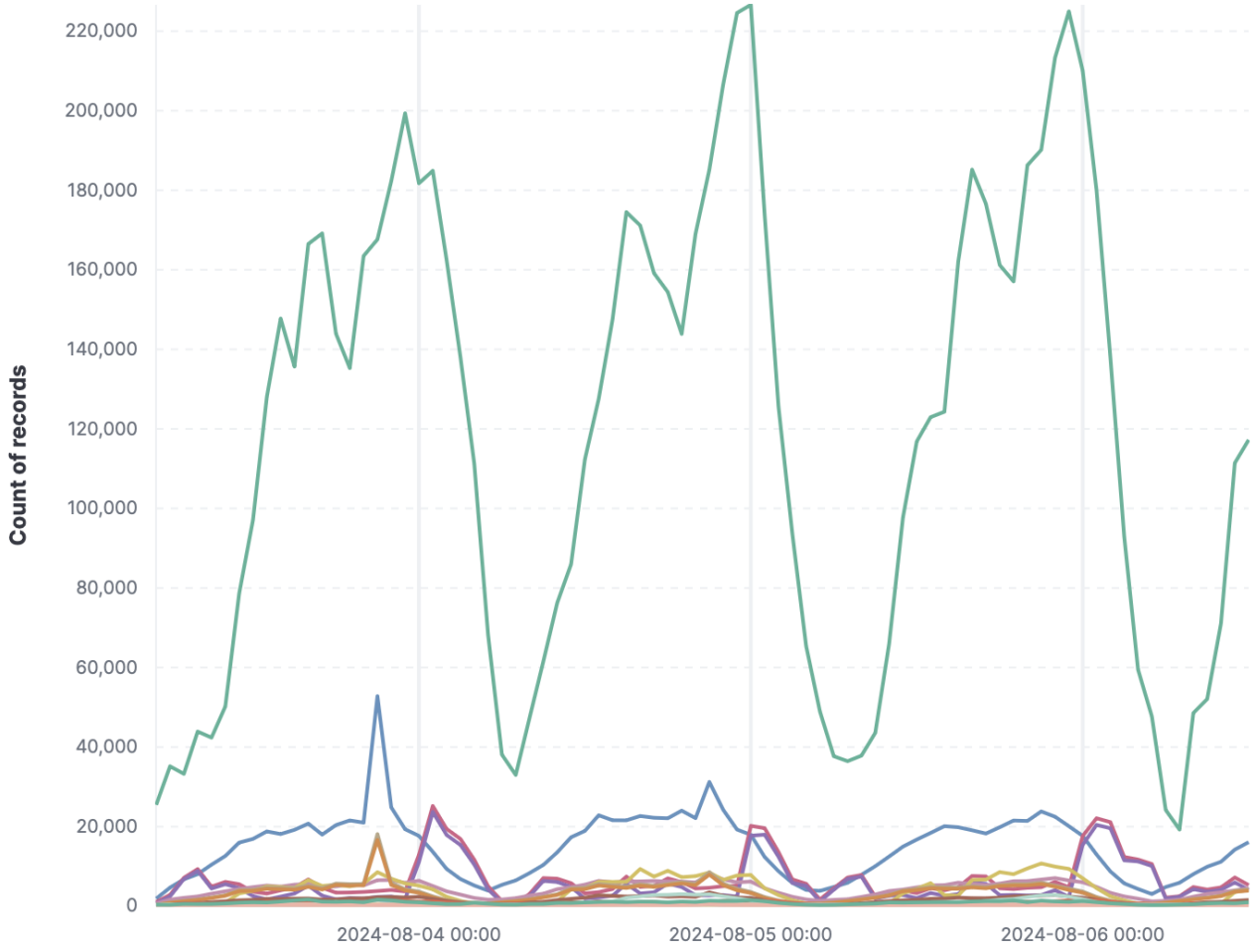


ELK : CASE 1 : CREATING CUSTOM DASHBOARDS





ELK : CASE 1 : CREATING CUSTOM DASHBOARDS



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Count

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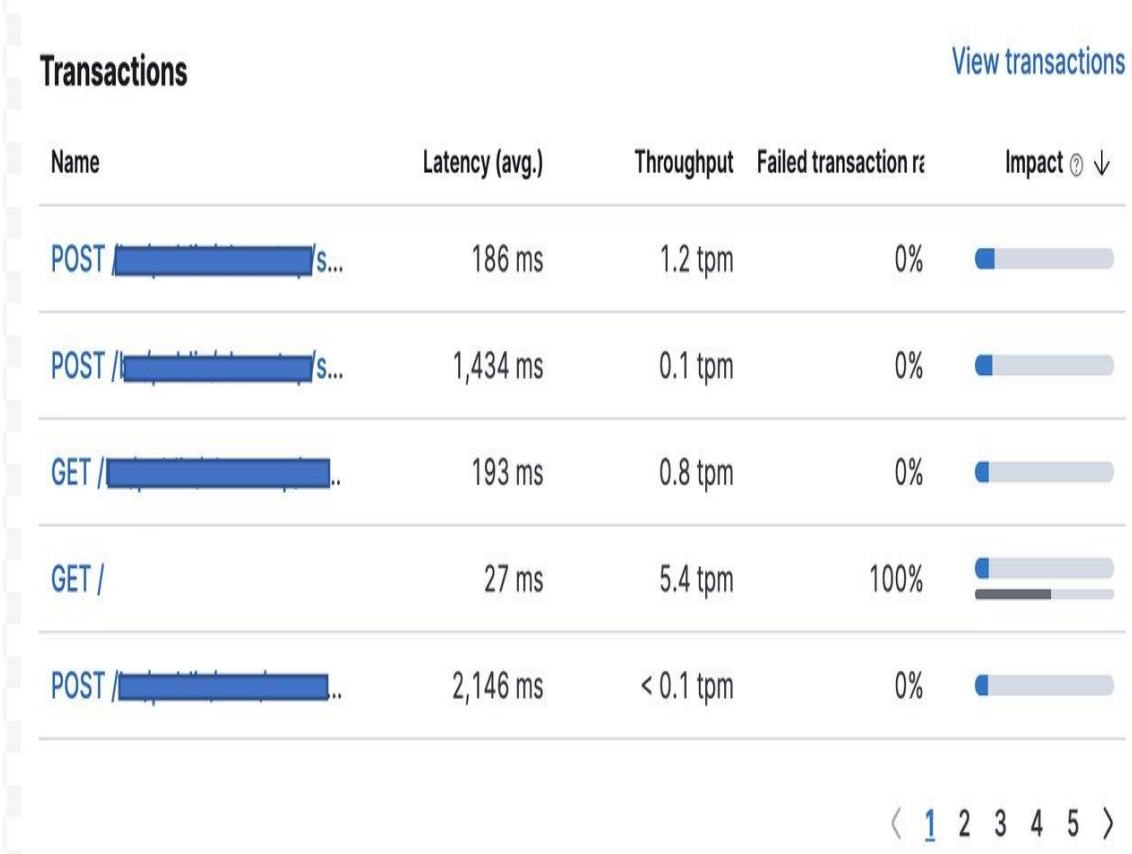
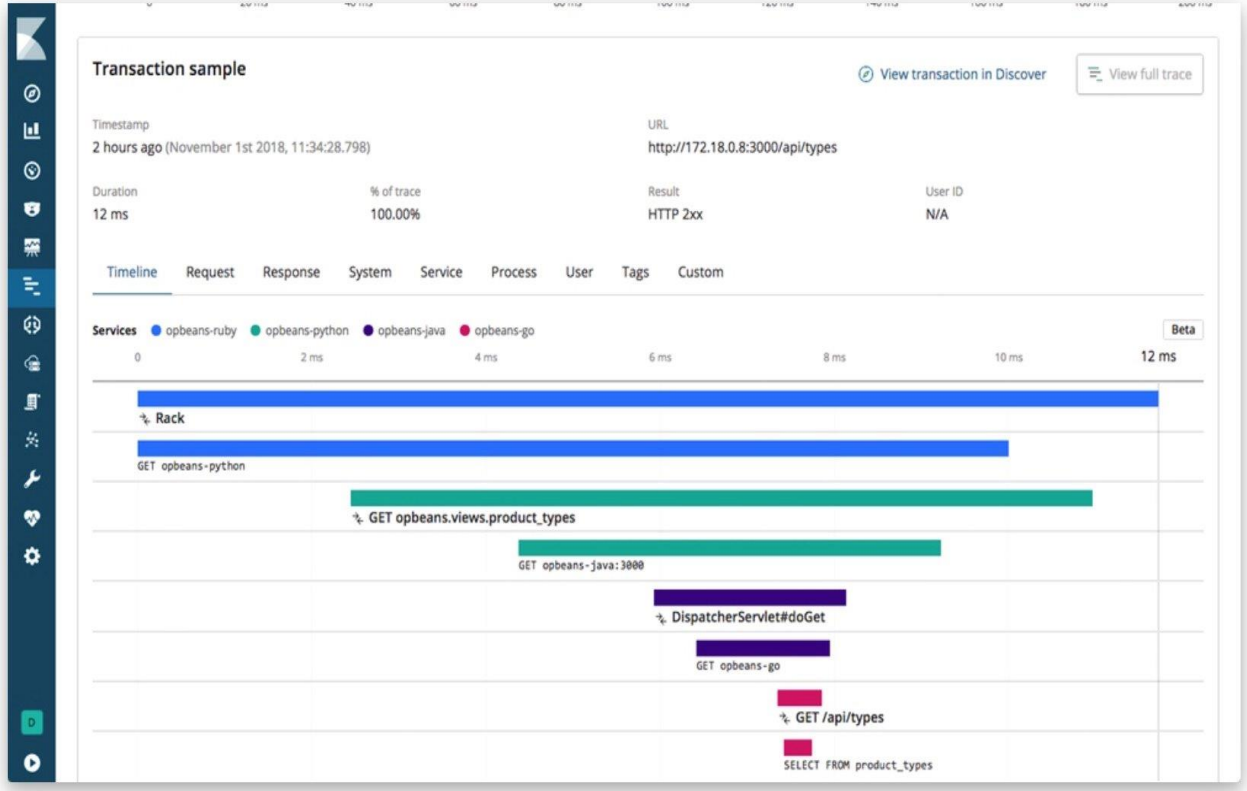
Unique_ip

ELK : CASE 2 : SETTING UP APM





ALERTING


Alarms in
Alert State : 100
Alarms in
Alert State : 0
imgflip.com

GRAFANA

1. **POWERFUL AND FLEXIBLE DATA VISUALIZATION**

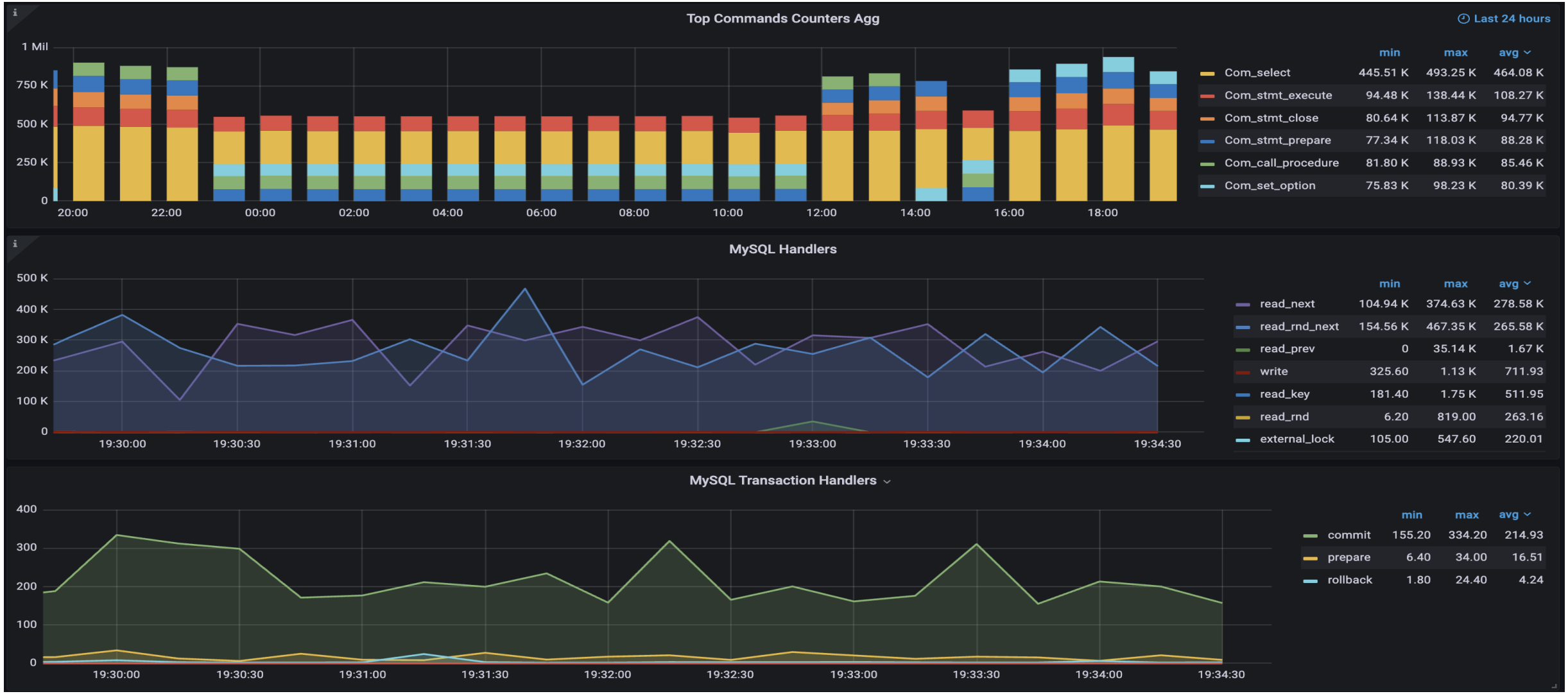
2. **MULTI-SOURCE INTEGRATION**

3. **ALERTING AND NOTIFICATION SYSTEM**

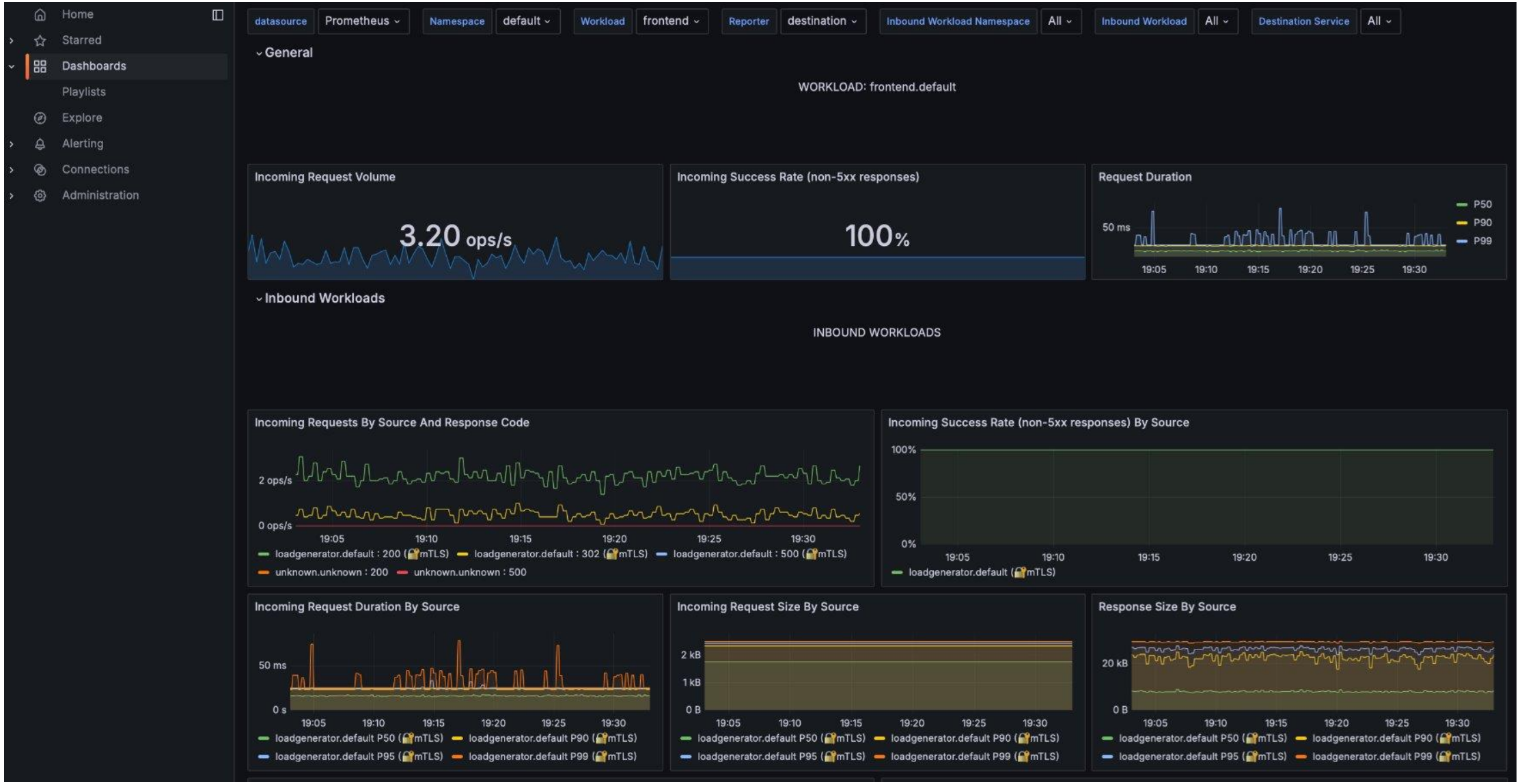
4. **OPEN-SOURCE AND EXTENSIBLE**

5. **SCALABILITY AND PERFORMANCE**

GRAFANA – DB ALERTING



GRAFANA – K8 ALERTING



FEEDBACK