

API Rate Limiter (P73)

Team Codevengers:

Raunak Bagaria (PES1UG23CS475)

R Jeevith (PES1UG23CS457)

Rishav Ghosh (PES1UG23CS478)

Roshit Sharma (PES1UG23CS489)

Sprint 1:

The image displays two screenshots of the Jira interface for the 'API Rate Limiter' project. The top screenshot shows the 'ARL board' in 'Backlog' view, highlighting 'Sprint 1' (7 Oct - 21 Oct) with 9 work items. The bottom screenshot shows the 'Backlog' view with 9 work items.

Sprint 1: 7 Oct - 21 Oct (9 work items)

Item	Summary	Status	Progress	Assignee
ARL-3	API Key based Client Identification	CLIENT IDENTIFICA...	DONE	5
ARL-4	IP based Client Identification with CIDR	CLIENT IDENTIFICA...	DONE	5
ARL-8	Allow different limits per endpoint, IP, or API key	RATE LIMITING ENG...	DONE	3
ARL-6	Enforce rate limits per client across multiple time windows	RATE LIMITING ENG...	DONE	8
ARL-9	Forward approved requests to the target API servers	RATE LIMITING ENG...	DONE	5
ARL-5	IP allowlists and blocklists	CLIENT IDENTIFICA...	DONE	5
ARL-20	Allow configurable custom error messages for blocked/rate-limited responses	CONFIGURATION M...	TO DO	5
ARL-37	Integration Testing	CLIENT IDENTIFICA...	TO DO	-
ARL-36	Integration Testing	RATE LIMITING ENG...	TO DO	-

Backlog (9 work items)

Item	Summary	Status	Progress	Assignee
ARL-7	Multiple Rate Limiting Algorithms	RATE LIMITING ENG...	TO DO	8
ARL-13	Send proactive alerts when clients approach configured rate limits	MONITORING & AN...	TO DO	5
ARL-14	Expose rate limit information in response headers to clients	MONITORING & AN...	TO DO	3
ARL-15	Real-time admin dashboard showing current request counts per client	MONITORING & AN...	TO DO	8
ARL-21	Design / Architecture	IN PROGRESS	-	8
ARL-16	Update rate limit rules without service restarts	CONFIGURATION M...	TO DO	8
ARL-17	Validate configuration syntax & semantics before applying changes	CONFIGURATION M...	TO DO	5
ARL-18	Implement rule precedence	CONFIGURATION M...	TO DO	5
ARL-19	Allow admin to manually block sources temporarily	CONFIGURATION M...	TO DO	5

Sprint 2:

For you

Recent

Starred

Apps

Plans

Spaces

Recent

API Rate Li...

ARL board

E-commerce Shoppi...

TestProj

My Scrum Project

More spaces

Filters

Dashboards

Confluence

Teams

Customize sidebar

Give feedback on th...

Spaces / API Rate Limiter

ARL board

Summary

Timeline

Backlog

Active sprints

Calendar

Reports

List

Forms

Goals

More

7

+

Search backlog

RB JB RG RS

Version

Epic

Type

Quick filters

ARL Sprint 2 19 Oct – 4 Nov (8 work items)

0 0 39 Complete sprint

ARL-20 Allow configurable custom error messages for blocked/rate-limited responses

CONFIGURATION ...

DONE

5

RB

ARL-18 Implement rule precedence

CONFIGURATION ...

DONE

5

JB

ARL-14 Expose rate limit information in response headers to clients

MONITORING & A...

DONE

3

RG

ARL-16 Update rate limit rules without service restarts

CONFIGURATION ...

DONE

8

JB

ARL-13 Send proactive alerts when clients approach configured rate limits

MONITORING & A...

DONE

5

RS

ARL-19 Allow admin to manually block sources temporarily

CONFIGURATION ...

DONE

8

RS

ARL-17 Validate configuration syntax & semantics before applying changes

CONFIGURATION ...

DONE

5

RG

ARL-40 System Integration Testing

IN PROGRESS

-

RB

Backlog (4 work items)

16 0 0 Create sprint

ARL-37 Integration Testing

CLIENT IDENTIFIC...

TO DO

-

RB

Backlog (4 work items)

16 0 0 Create sprint

ARL-37 Integration Testing

CLIENT IDENTIFIC...

TO DO

-

RB

ARL-7 Multiple Rate Limiting Algorithms

RATE LIMITING EN...

TO DO

8

RB

ARL-36 Integration Testing

RATE LIMITING EN...

TO DO

-

RB

ARL-15 Real-time admin dashboard showing current request counts per client

MONITORING & A...

TO DO

8

RB

+ Create