

API Rate Limiter (P73)

Team Codevengers:

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Sprint 1:

The screenshot shows two instances of the Jira software interface, both displaying the 'Backlog' view for a project named 'API Rate Limiter'. The top instance shows a backlog for 'ARL Sprint 1' (Oct 21 - Oct 21) with 9 work items. The bottom instance shows a backlog for '(9 work items)' with 19 work items. Both backlogs include columns for 'Version', 'Epic', 'Type', and 'Quick filters'. Each work item row contains a summary, assignee (RB, JR, RS, RG), status (e.g., 'DONE', 'IN PROGRESS'), priority (e.g., 'P1', 'P2'), and a link icon.

Top Screenshot (ARL Sprint 1):

Work Item	Epic	Type	Status	Priority	Assignee
ARL-3 API Key based Client Identification	CLIENT IDENTIFICATION	DONE	P1	RG	RG
ARL-4 IP based Client Identification with CIDR	CLIENT IDENTIFICATION	DONE	P1	RG	RG
ARL-8 Allow different limits per endpoint, IP, or API key	RATE LIMITING ENGINE	DONE	P1	RS	JR
ARL-6 Enforce rate limits per client across multiple time windows	RATE LIMITING ENGINE	DONE	P1	RS	RB
ARL-9 Forward approved requests to the target API servers	RATE LIMITING ENGINE	DONE	P1	RS	RS
ARL-5 IP allowlists and blocklists	CLIENT IDENTIFICATION	DONE	P1	RG	RG
ARL-20 Allow configurable custom error messages for blocked/rate-limited responses	CONFIGURATION MANAGEMENT	TO DO	P1	RG	RG
ARL-37 Integration Testing	CLIENT IDENTIFICATION	TO DO	P1	RG	RG
ARL-36 Integration Testing	RATE LIMITING ENGINE	TO DO	P1	RG	RG

Bottom Screenshot (9 work items):

Work Item	Epic	Type	Status	Priority	Assignee
ARL-7 Multiple Rate Limiting Algorithms	RATE LIMITING ENGINE	TO DO	P1	RG	RB
ARL-13 Send proactive alerts when clients approach configured rate limits	MONITORING & ANALYSIS	TO DO	P1	RG	RG
ARL-14 Expose rate limit information in response headers to clients	MONITORING & ANALYSIS	TO DO	P1	RG	RG
ARL-15 Real-time admin dashboard showing current request counts per client	MONITORING & ANALYSIS	TO DO	P1	RG	RG
ARL-21 Design / Architecture		IN PROGRESS	P1	RG	RG
ARL-16 Update rate limit rules without service restarts	CONFIGURATION MANAGEMENT	TO DO	P1	RG	RG
ARL-17 Validate configuration syntax & semantics before applying changes	CONFIGURATION MANAGEMENT	TO DO	P1	RG	RG
ARL-18 Implement rule precedence	CONFIGURATION MANAGEMENT	TO DO	P1	RG	RG
ARL-19 Allow admin to manually block sources temporarily	CONFIGURATION MANAGEMENT	TO DO	P1	RG	RG

Sprint 2:

The screenshot shows the Jira Backlog interface for the 'API Rate Limiter' project. The sidebar on the left includes links for 'For you', 'Recent', 'Starred', 'Apps', 'Plans', 'Spaces', 'Recent', 'E-commerce Shop...', 'TestProj', 'My Scrum Project', 'More spaces', 'Filters', 'Dashboards', 'Confluence', 'Teams', and 'Customize sidebar'. A link to 'Give feedback on th...' is also present.

The main area displays the 'Backlog' tab under the 'ARL board' section. It shows two sections: 'ARL Sprint 2' (19 Oct – 4 Nov) and 'Backlog'.

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

ID	Description	Type	Status	Priority	Assignee
ARL-20	Allow configurable custom error messages for blocked/rate-limited responses	CONFIGURATION ...	DONE	5	RB
ARL-18	Implement rule precedence	CONFIGURATION ...	DONE	5	JR
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	JR
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):

ID	Description	Type	Status	Priority	Assignee
ARL-37	Integration Testing	CLIENT IDENTIFIC...	TO DO	-	RG
ARL-7	Multiple Rate Limiting Algorithms	RATE LIMITING EN...	TO DO	8	RB
ARL-36	Integration Testing	RATE LIMITING EN...	TO DO	-	RG
ARL-15	Real-time admin dashboard showing current request counts per client	MONITORING & A...	TO DO	8	RG

A 'Create' button is located at the bottom left of the backlog area.