

Performance test report - Sep 29, 2024 (#6)

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Postman collection: Backend Endpoints (Online)

Report exported on: Sep 29, 2024, 23:47:23 (GMT+2)

Test setup

Virtual users
20 VU

Start time
Sep 29, 23:38:04 (GMT+2)

Load profile
Spike

Duration
5 minutes

End time
Sep 29, 23:43:10 (GMT+2)

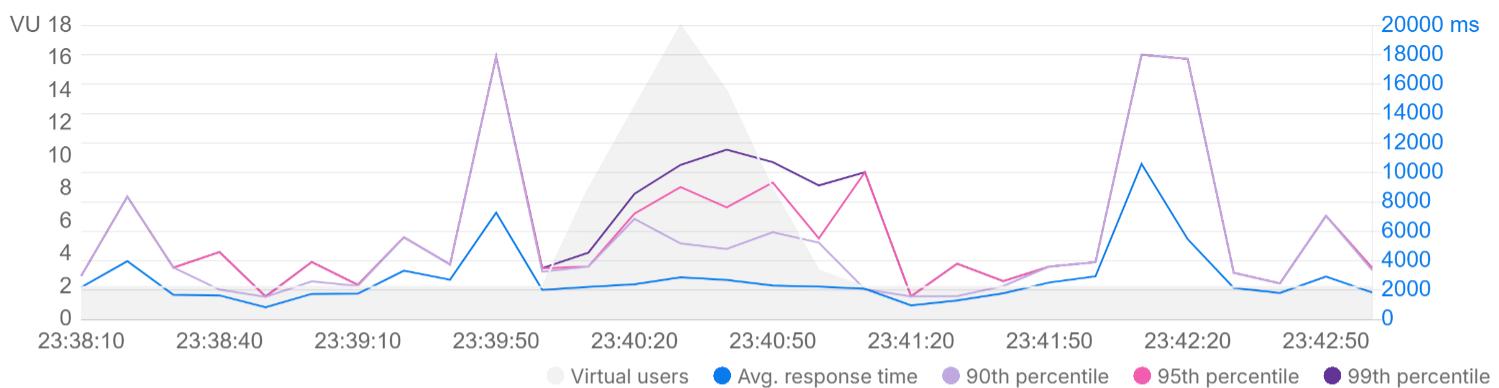
Environment
develop

1. Summary

Total requests sent	Throughput	Average response time	Error rate
505	1.65 requests/second	2,370 ms	26.34 %

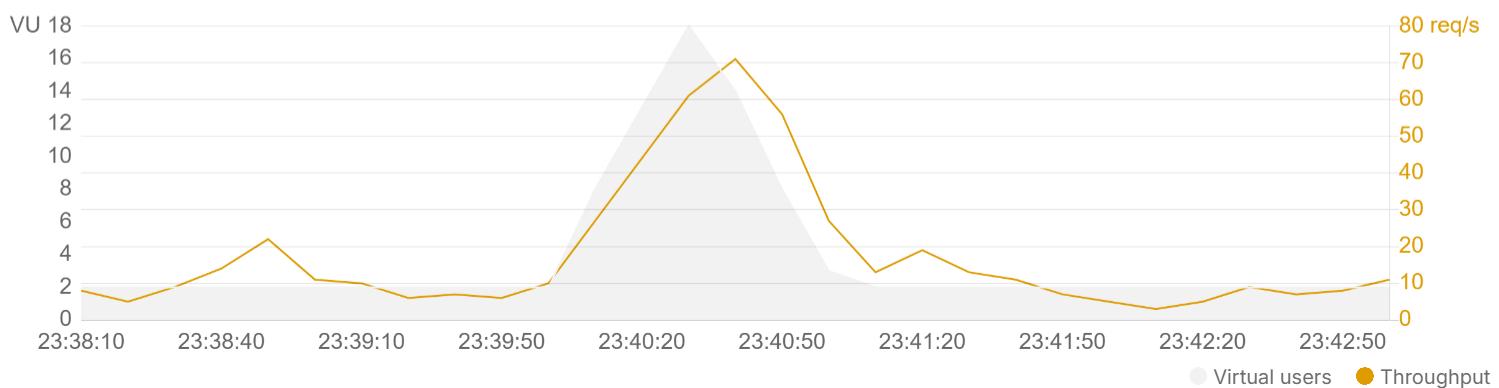
1.1 Response time

Response time trends during the test duration.



1.2 Throughput

Rate of requests sent per second during the test duration.



1.3 Requests with slowest response times

Top 5 slowest requests based on their average response times.

Request	Resp. time (Avg ms)	90th (ms)	95th (ms)	99th (ms)	Min (ms)	Max (ms)
GET get all past info for all hosts https://whatson-up-d7h4ai6p.wm.gateway.dev/admin/get_for_all_hosts	17,712	18,010	18,010	18,010	17,244	18,010
GET filter event https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/filter?isPrivate=false	8,549	10,520	10,706	11,554	6,703	11,554
GET get rsvp events https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/get_rsvp_events	4,774	5,943	9,123	10,024	3,065	10,024
GET get past events by host https://whatson-up-d7h4ai6p.wm.gateway.dev/admin/get_past_events_by_host/69ae72bc-8e2b-4400-b608-29f048d4f8c7	4,098	5,599	5,599	5,599	3,009	5,599
GET get past events https://whatson-up-d7h4ai6p.wm.gateway.dev/host/get_past_events	3,476	3,606	3,606	3,606	3,158	3,606

1.4 Requests with most errors

Top 5 requests with the most errors, along with the most frequently occurring errors for each request.

Request	Total error count	Error 1	Error 2	Other errors
PUT host application https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/apply_for_host? reason=kljhl&studentEmail=u22524798@tuks.co.za&howLong=3 0&fromWhen=2024-08-30 17:00:00	19	400 Bad Request (19)	-	0
PUT host application - without the studentEmail https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/apply_for_host? reason=kljhl&howLong=30&fromWhen=2024-08-30 17:00:00	19	400 Bad Request (19)	-	0
PUT save event user https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/save_event/43bab607-8fac-42aa-9481-a45c0df13ae4	16	400 Bad Request (16)	-	0
DELETE delete saved event https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/delete_saved_event/0f0c54a6-6-38f3-42b5-93c4-4c744eaf8a3e	13	400 Bad Request (13)	-	0
DELETE delete rsvp event https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/delete_rsvp_event/0f0c54a6-38f3-42b5-93c4-4c744eaf8a3e	8	400 Bad Request (8)	-	0

2. Metrics for each request

The requests are shown in the order they were sent by virtual users.

Request	Total requests	Requests/s	Min (ms)	Avg (ms)	90th (ms)	Max (ms)	Error %
GET Get events https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/get_all	24	0.08	2,228	3,321	4,547	6,847	0

GET get locations	24	0.08	1,744	2,738	4,257	4,820	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/get_locations							
PUT update	24	0.08	1,289	1,666	2,081	2,767	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/update/b4aad683-0342-441e-81f7-d27acc759d52							
POST Add event	24	0.08	1,535	1,798	2,089	2,990	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/create							
GET search event	24	0.08	1,304	1,758	2,526	2,993	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/search?searchString=tech							
GET filter event	24	0.08	6,703	8,549	10,520	11,554	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/filter?isPrivate=false							
DELETE delete event	24	0.08	1,292	1,658	2,243	2,907	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/remove/8a13b201-e02c-4dbe-a678-8ee8ff6d2d81							
GET Get Categories	24	0.08	792	1,039	1,366	1,607	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/categories							
PUT broadcast messages	24	0.08	1,291	1,583	1,997	2,685	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/events/broadcast?eventId=89a38d5e-d857-4dac-8ad0-9b8707983d11&message=hello are you ready for tommorow							
GET get saved events	24	0.08	1,295	2,023	2,735	3,368	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/get_saved_events							

GET get rsvp events	24	0.08	3,065	4,774	5,943	10,024	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/get_rsvp_events							
PUT Update User	22	0.07	1,535	1,821	2,148	2,686	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/update_profile?fullName=Facts Man							
PUT host application	19	0.06	793	1,060	1,855	2,392	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/apply_for_host?reason=kljh&studentEmail=u22524798@tuks.co.za&howLong=30&fromWhen=2024-08-30 17:00:00							
PUT host application - without the studentEmail	19	0.06	792	1,059	1,668	1,720	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/apply_for_host?reason=kljh&howLong=30&fromWhen=2024-08-30 17:00:00							
PUT save event user	16	0.05	1,779	2,022	2,174	2,720	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/save_event/43bab607-8fac-42aa-9481-a45c0df13ae4							
DELETE delete saved event	13	0.04	1,324	1,594	1,825	2,408	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/delete_saved_event/0f0c54a6-38f3-42b5-93c4-4c744eaf8a3e							
DELETE delete rsvp event	8	0.03	1,342	1,609	2,262	2,262	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/delete_rsvp_event/0f0c54a6-38f3-42b5-93c4-4c744eaf8a3e							
PUT rsvp event user	4	0.01	1,542	1,552	1,576	1,576	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/rsvp_event/210bd6c5-a85f-4b0d-99bf-938a28085250							
GET Get User	4	0.01	797	985	1,052	1,052	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/get_user							

POST disputed	4	0.01	1,045	1,052	1,065	1,065	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/dispute_application							
POST acknowledged	4	0.01	1,531	1,548	1,583	1,583	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/user/acknowledge_application							
DELETE delete one	4	0.01	597	696	837	837	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/notifications/delete/10a16fa6-0b26-4188-9684-7692f9da404e							
DELETE delete all	4	0.01	582	637	698	698	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/notifications/delete_all							
GET get_all	4	0.01	589	624	652	652	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/notifications/get_all							
POST mark seen	4	0.01	704	782	957	957	100
https://notifications-1035006743185.us-central1.run.app/notifications/mark_read/63ad4dec-51a5-45ef-9933-576cce4a550f							
POST update	4	0.01	299	303	306	306	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/media/update							
POST upload	4	0.01	573	613	648	648	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/media/upload?event_id=f034e0ec-c626-4a25-ba4c-3e9332bb7595							
POST proof	4	0.01	569	585	602	602	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/media/proof?application_id=5d4698e9-6acf-47c1-8ba4-9bab2ddb6bb8							

DELETE delete	4	0.01	568	576	583	583	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/media/delete? media_name=h00s0mhd6fm2nr7dh0v5tlxlqx6e2zhlmft8 guyzgdlu34lw1x.png							
GET get users	4	0.01	1,543	1,556	1,575	1,575	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/interactions/get_all_users							
POST accept invite	4	0.01	1,298	1,494	1,593	1,593	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/interactions/accept_invite/ /6c506a88-a70e-4ada-8416-fca9e7c37b19							
POST reject invite	4	0.01	1,294	1,433	1,602	1,602	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/interactions/reject_invite/ 7e5aabe1-24aa-45f2-a50b-bfdb5bfb16f8							
PUT invite user	4	0.01	2,598	3,232	3,916	3,916	50
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/interactions/send_invite? eventId=12e799cb-b6b3-4f43-b04b- 1a6386bd09fb&userId={{userid}}							
GET get_applications	4	0.01	1,551	1,555	1,563	1,563	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/all_applications							
GET get_applications by	4	0.01	1,536	1,546	1,565	1,565	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/all_applications/PE NDING							
POST promote user	4	0.01	1,781	1,810	1,837	1,837	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/promote? userId=8fb4ed59-4026-4d0e-918f-a9f2f56d1e40							
POST accept	4	0.01	1,539	1,554	1,588	1,588	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/accept_application ?applicationId=1824661c-64ff-463a-bb41- 3adbd665b24							

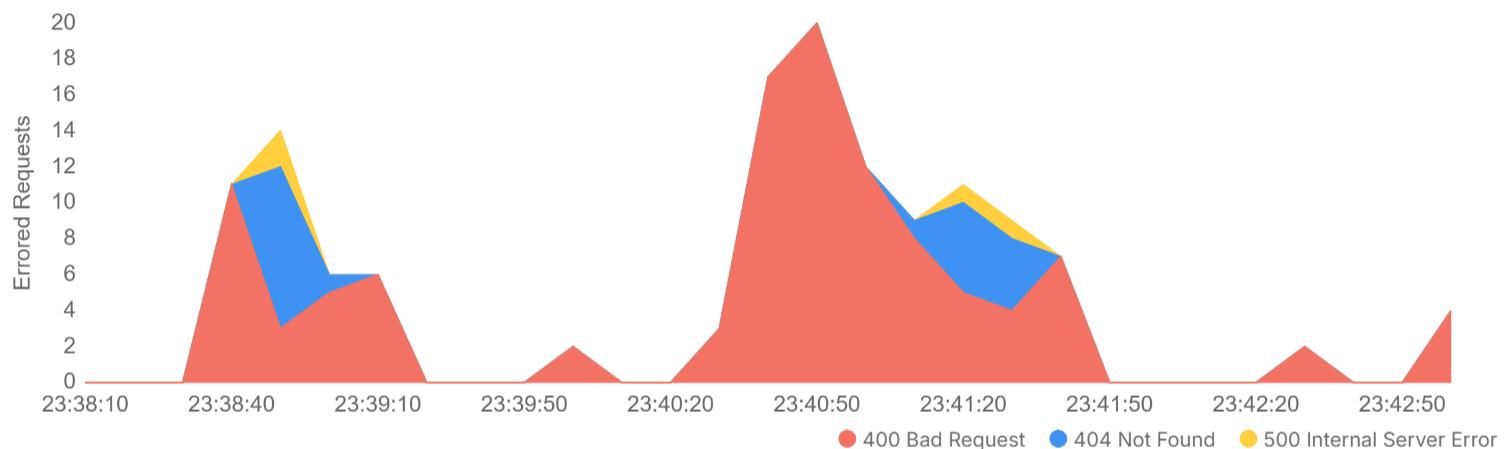
POST reject	4	0.01	1,292	1,481	1,556	1,556	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/reject_application?applicationId=5d4698e9-6acf-47c1-8ba4-9bab2ddb6bb8							
POST demote user	4	0.01	2,285	2,307	2,363	2,363	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/demote?userId=de21f412-b95f-4e7d-a803-374aa7831938							
PUT admin broadcast	4	0.01	1,818	1,867	1,894	1,894	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/api/admin/broadcast?message=testing							
GET get past events	4	0.01	3,158	3,476	3,606	3,606	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/analytics/host/get_past_events							
GET get past events by host	4	0.01	3,009	4,098	5,599	5,599	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/analytics/admin/get_past_events_by_host/69ae72bc-8e2b-4400-b608-29f048d4f8c7							
GET get aggregate data	4	0.01	1,415	1,998	2,851	2,851	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/analytics/host/get_aggregate_data							
GET get aggregate data by host	4	0.01	1,942	3,091	3,748	3,748	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/analytics/admin/get_aggregate_data_by_host/69ae72bc-8e2b-4400-b608-29f048d4f8c7							
GET get	4	0.01	1,702	2,364	3,164	3,164	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/analytics/host/get							
GET get by host	4	0.01	0	0	0	0	0
{{host}}:8084/analytics/admin/get_by_host/69ae72bc-8e2b-4400-b608-29f048d4f8c7							

GET get all past info for all hosts	4	0.01	17,244	17,712	18,010	18,010	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/admin/get_for_all_hosts							
GET get for all events	4	0.01	1,710	2,435	3,141	3,141	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/admin/get_all_events							
GET get aggregate for all events	4	0.01	1,860	2,304	2,826	2,826	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/admin/get_all_aggregate_data							
GET get popular events by host	4	0.01	1,461	2,251	2,909	2,909	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/host/get_popular_events							
GET get fill ins recommendation	4	0.01	3,125	3,264	3,495	3,495	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/host/generate_autofill?description=This event is about sports&title=Healthy Living Seminar 2							
POST initialise preferences	4	0.01	598	683	786	786	100
https://whatson-up-d7h4ai6p.wm.gateway.dev/preferences/init							
GET get recommended events	4	0.01	1,345	1,386	1,431	1,431	0
https://whatson-up-d7h4ai6p.wm.gateway.dev/events/recommended_events							

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.



3.2 Error distribution for requests

Errored requests grouped by error class, along with the error count for each class.

Error class	Total counts
400 Bad Request	109
PUT host application	19
PUT host application - without the studentEmail	19
PUT save event user	16
DELETE delete saved event	13
DELETE delete rsvp event	8
PUT rsvp event user	4
POST acknowledged	4
POST accept invite	4
POST reject invite	4
PUT invite user	2
POST promote user	4
POST accept	4
POST reject	4
POST initialise preferences	4
404 Not Found	20
POST disputed	4
POST mark seen	4
POST upload	4
POST proof	4
DELETE delete	4
500 Internal Server Error	4
POST update	4



Testing API performance on Postman

Postman enables you to simulate user traffic and observe how your API behaves under load. It also helps you identify any issues or bottlenecks that affect performance.

Learn more about [testing API performance](#).