

Performance test report - Sep 22, 2023 (#1)

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Postman collection: Polaris.Ecashier
Report exported on: Sep 22, 2023, 12:35:16 (EDT)

Test setup

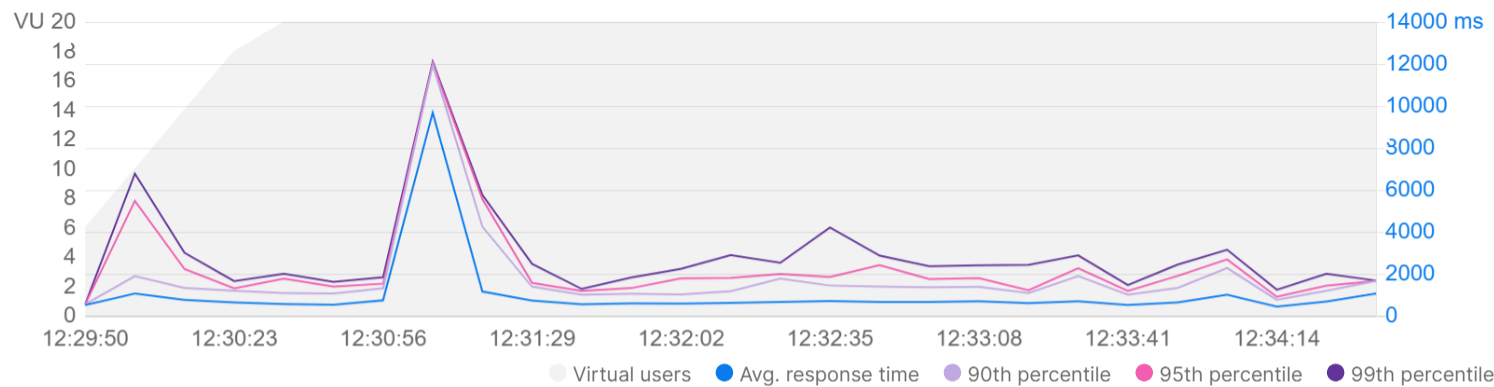
Virtual users	Start time	Load profile
20 VU	Sep 22, 12:28:53 (EDT)	Ramp-up (1 minute)
Duration	End time	Environment
5 minutes	Sep 22, 12:34:37 (EDT)	eCashier

1. Summary

Total requests sent	Throughput	Average response time	Error rate
5,860	17.03 requests/second	734 ms	0.26 %

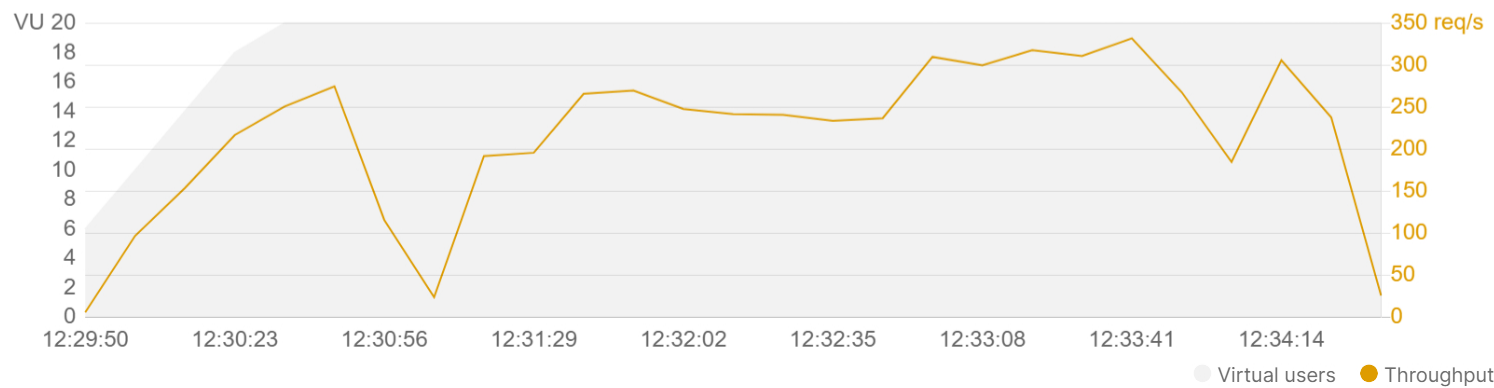
1.1 Response time

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)
POST /api/XpressPay/GetMerchantPaymentItems {{baseUrl}}/api/XpressPay/GetMerchantPaymentItems	1,025	1,821	2,128	2,922	335	11,954
POST /api/XpressPay/GetTaxOffices {{baseUrl}}/api/XpressPay/GetTaxOffices	945	1,582	2,059	4,245	335	11,937
POST /api/XpressPay/GetPaymentChannels {{baseUrl}}/api/XpressPay/GetPaymentChannels	856	1,349	2,112	4,321	286	12,050
POST /api/XpressPay/PrintReceipt {{baseUrl}}/api/XpressPay/PrintReceipt	846	1,352	1,880	4,383	276	12,135
POST /api/XpressPay/GetPaymentMethods {{baseUrl}}/api/XpressPay/GetPaymentMethods	820	1,356	1,865	2,894	286	11,971

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
POST /api/XpressPay/PrintReceipt {{baseUrl}}/api/XpressPay/PrintReceipt	5	400 Bad Request (5)	-	0
GET /api/XpressPay/GetAvailableMerchants {{baseUrl}}/api/XpressPay/GetAvailableMerchants? branchCode=123	4	500 Internal Server Error (4)	-	0
POST /api/XpressPay/GetPaymentChannels {{baseUrl}}/api/XpressPay/GetPaymentChannels	4	400 Bad Request (4)	-	0
POST /api/XpressPay/GetPaymentMethods {{baseUrl}}/api/XpressPay/GetPaymentMethods	2	400 Bad Request (2)	-	0

2. Metrics for each request

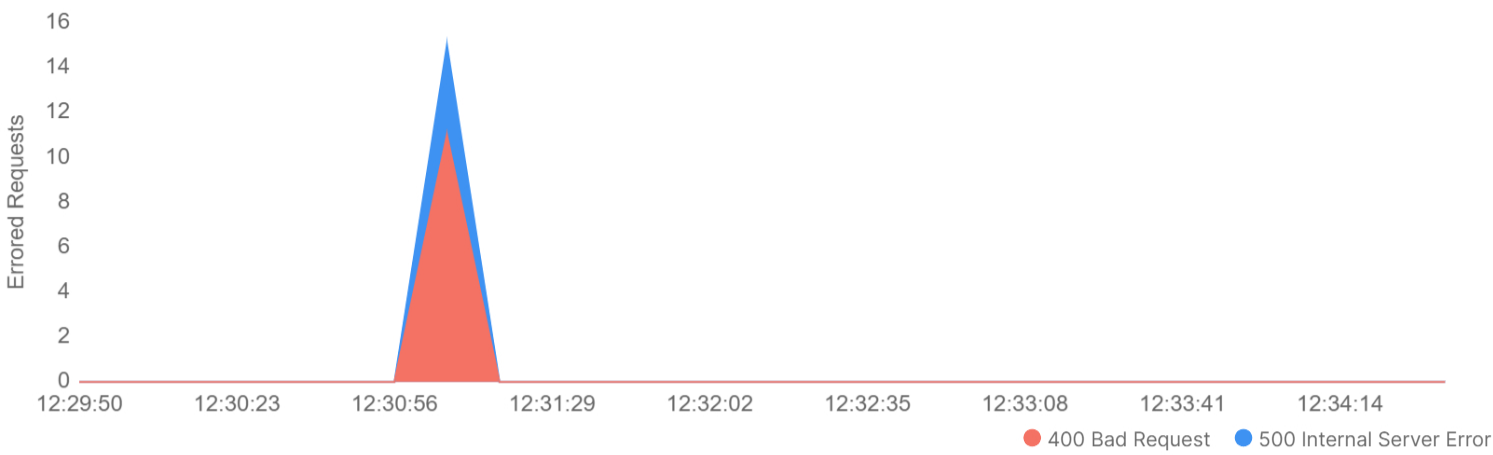
The requests are shown in the order they were sent by virtual users.

Request	Total requests	Requests/s	Min (ms)	Avg (ms)	90th (ms)	Max (ms)	Error %
GET /api/XpressPay/GetAvailableMerchants {{baseUrl}}/api/XpressPay/GetAvailableMerchants? branchCode=123	739	2.15	188	318	310	10,982	0.54
GET /api/XpressPay/GetPaymentOptions {{baseUrl}}/api/XpressPay/GetPaymentOptions? branchCode=123	738	2.15	190	275	281	6,807	0
POST /api/XpressPay/GetPaymentOptionItems {{baseUrl}}/api/XpressPay/GetPaymentOptionItems	736	2.14	269	796	1,390	5,339	0
POST /api/XpressPay/GetMerchantPaymentItems {{baseUrl}}/api/XpressPay/GetMerchantPaymentItems	731	2.12	335	1,025	1,821	11,954	0
POST /api/XpressPay/GetPaymentMethods {{baseUrl}}/api/XpressPay/GetPaymentMethods	730	2.12	286	820	1,356	11,971	0.27
POST /api/XpressPay/GetPaymentChannels {{baseUrl}}/api/XpressPay/GetPaymentChannels	729	2.12	286	856	1,349	12,050	0.55
POST /api/XpressPay/GetTaxOffices {{baseUrl}}/api/XpressPay/GetTaxOffices	729	2.12	335	945	1,582	11,937	0
POST /api/XpressPay/PrintReceipt {{baseUrl}}/api/XpressPay/PrintReceipt	728	2.12	276	846	1,352	12,135	0.69

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	11
POST /api/XpressPay/GetPaymentMethods	2
POST /api/XpressPay/GetPaymentChannels	4
POST /api/XpressPay/PrintReceipt	5
500 Internal Server Error	4
GET /api/XpressPay/GetAvailableMerchants	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](#).