Cloud Recipes

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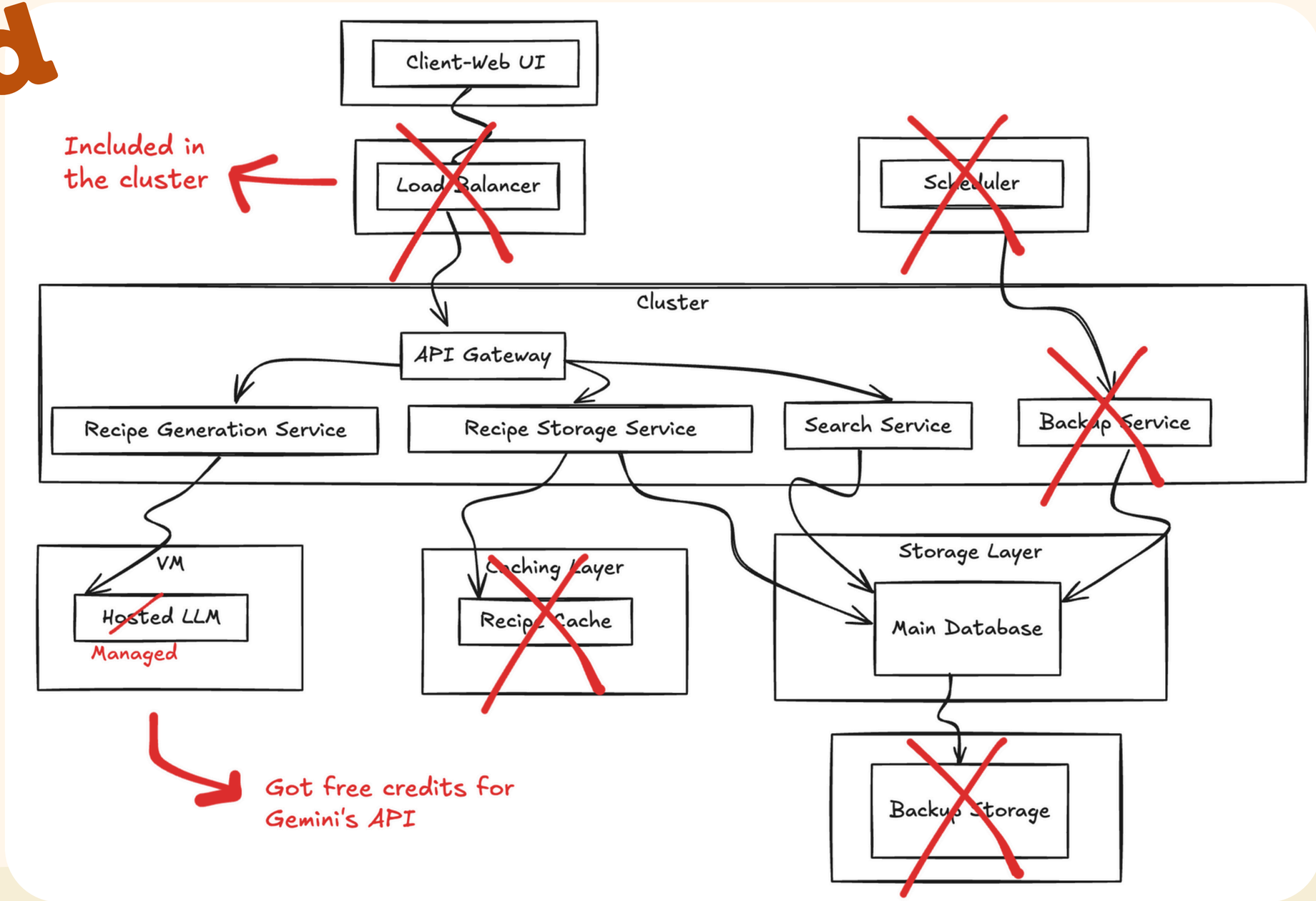
Updated

System Design



Analysis

Cloud SQL

vCPUs	Memory	SSD storage
8	32 GB	250 GB

Kubernetes

Number of nodes	Total vCPUs	Total memory
3	6	12 GB

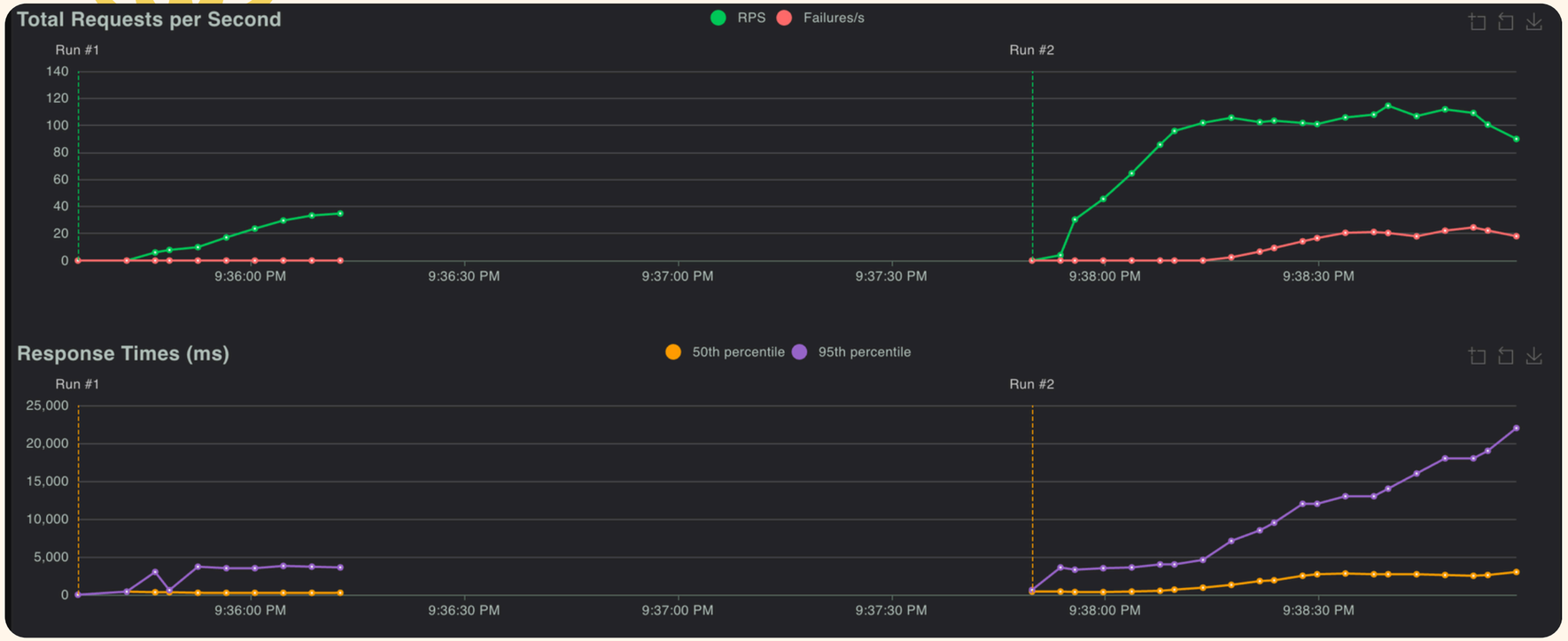
Free credits used for Gemini API

Cost so far

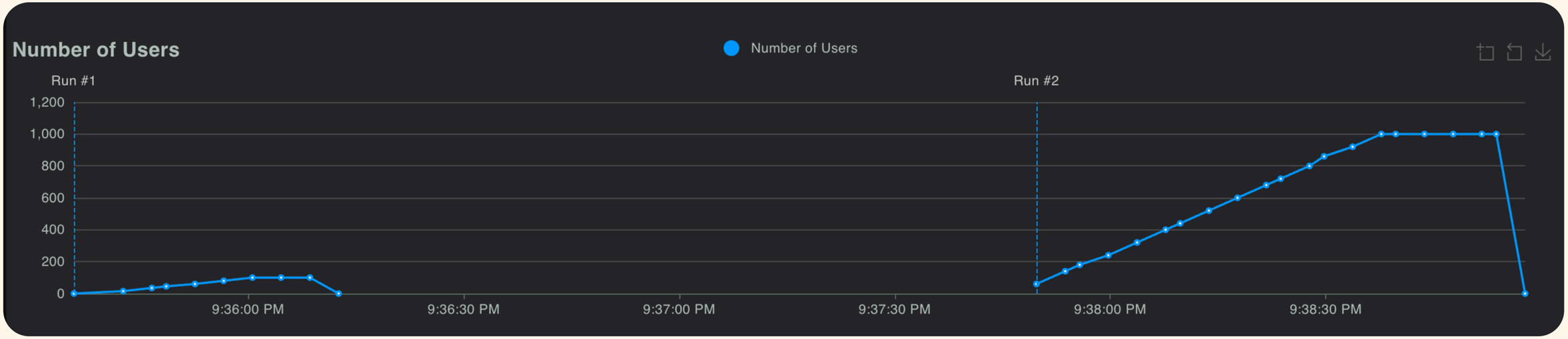
Cost	Credits used
₺340	₺340
	View details

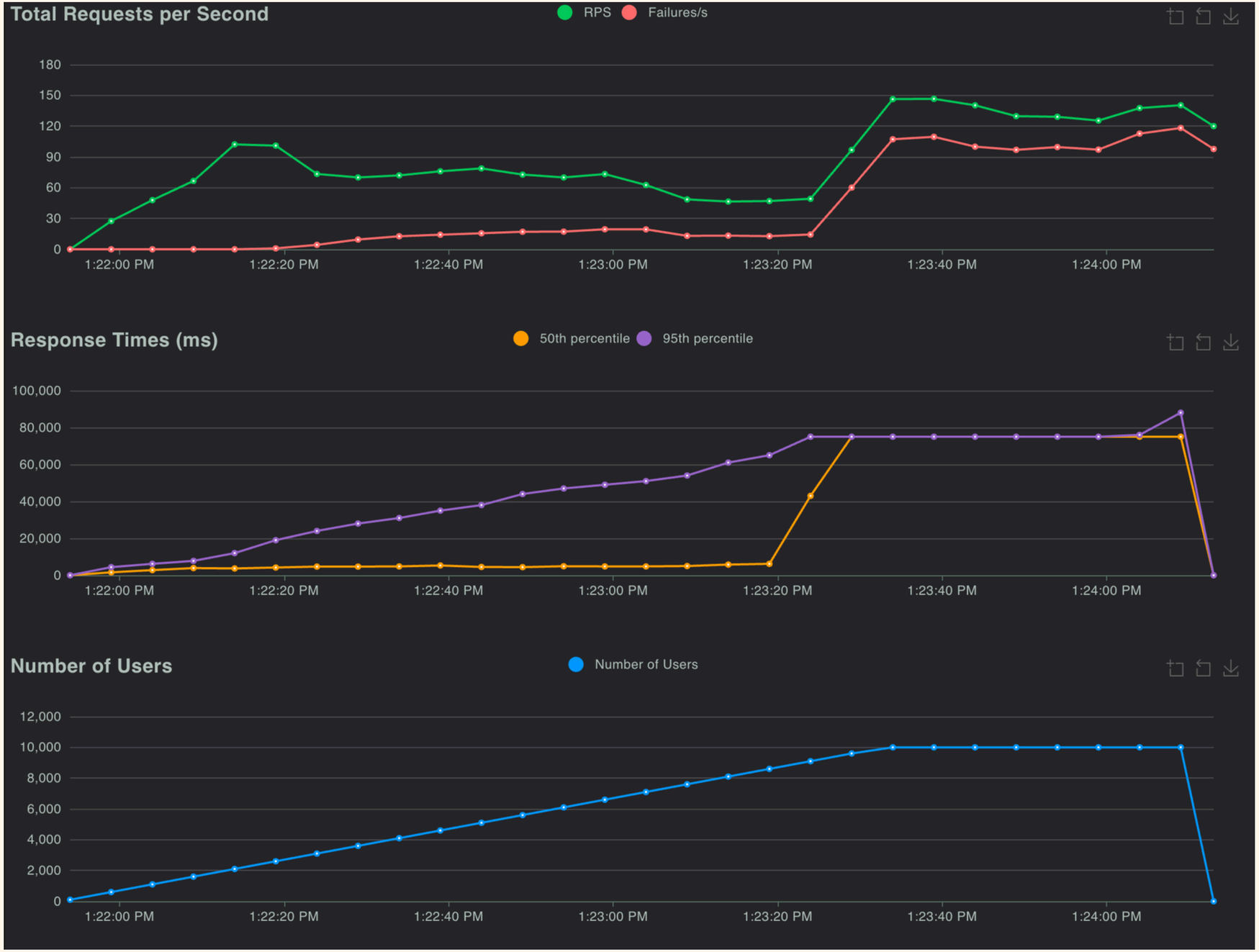
Testing

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	//	1369	3	1900	3500	4200	1813.66	108	6564	7516.49	20.8	0.1
POST	//api/generate-recipe	1121	713	8100	19000	22000	9069.96	78	24845	722.31	20.2	17.8
GET	//api/recipes	961	1	4300	19000	23000	6514.63	377	23448	83187.5	10	0
POST	//api/recipes	1361	7	1100	2400	2900	1191.66	27	3462	149.89	19.2	0
GET	//generate	1345	5	1900	3500	4100	1820.53	201	4525	7844.73	19.7	0.1
	Aggregated	6157	729	2000	15000	20000	3732.56	27	24845	16533.72	89.9	18



Low and Medium Traffic





High Traffic

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	//	2719	1060	5500	75000	75000	30079.9	299	80053	4596.27	22.2	17.5
POST	//api/generate-recipe	2645	1963	35000	75000	75000	43173.35	165	118120	492.35	24.8	22.1
GET	//api/recipes	1904	1088	75000	88000	102000	61114.59	263	107713	112500.47	25.4	19.3
POST	//api/recipes	2719	1036	3500	75000	75000	29125.37	134	76823	93.29	20.7	17.4
GET	//generate	2758	1108	5600	75000	75000	31341.46	162	80268	4710.7	26.9	21.4
	Aggregated	12745	6255	26000	75000	85000	37502.91	134	118120	18928.69	120	97.7