

Index Cost per Active Hour and Vector Capacity with Vector Capacity Estimates for Current Project Vector Size

Google Cloud Platform

Pinecone Base Cost Structure per hour

Pod Type	Pod Size	Base Price	Vector Size	Approximate Capacity (Millions)
S1	1	\$ 0.0960	768	5
	2	\$ 0.1920	768	10
	4	\$ 0.3840	768	20
	8	\$ 0.7680	768	40

P1	1	\$ 0.0960	768	1
	2	\$ 0.1920	768	2
	4	\$ 0.3840	768	4
	8	\$ 0.7680	768	8

P2	1	\$ 0.1440	768	1
	2	\$ 0.2880	768	2
	4	\$ 0.5760	768	4
	8	\$ 1.1520	768	8

Amazon Web Services

Pinecone Base Cost Structure

Pod Type	Pod Size	Base Price	Vector Size	Approximate Capacity (Millions)
S1	1	\$ 0.1110	768	5
	2	\$ 0.2200	768	10
	4	\$ 0.4440	768	20
	8	\$ 0.8880	768	40

P1	1	\$ 0.1110	768	1
	2	\$ 0.2220	768	2
	4	\$ 0.4440	768	4
	8	\$ 0.8880	768	8

P2	1	\$ 0.1665	768	1
	2	\$ 0.3330	768	2
	4	\$ 0.6660	768	4
	8	\$ 1.3320	768	8

Current Setup with extrapolation

Indexes	Pod Type	Pod Size	Vector Size	Approximate Capacity (Millions)
1	S1	1	384	9
		2	384	18
		4	384	36
		8	384	72

1	P1	1	384	1.8
		2	384	3.6
		4	384	7.2
		8	384	14.4

1	P2	1	384	1.8
		2	384	3.6
		4	384	7.2
		8	384	14.4

Estimated Monthly (30 day) Cost for a Single Index Based On the % of the Month It Was Active										
	Activity									
Pod Type and Size	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
P1										
1										
Google Cloud Monthly Cost	\$6.91	\$13.82	\$20.74	\$27.65	\$34.56	\$41.47	\$48.38	\$55.30	\$62.21	\$69.12
AWS Monthly Cost	\$7.99	\$15.98	\$23.98	\$31.97	\$39.96	\$47.95	\$55.94	\$63.94	\$71.93	\$79.92
2										
Google Cloud Monthly Cost	\$13.82	\$27.65	\$41.47	\$55.30	\$69.12	\$82.94	\$96.77	\$110.59	\$124.42	\$138.24
AWS Monthly Cost	\$15.98	\$31.97	\$47.95	\$63.94	\$79.92	\$95.90	\$111.89	\$127.87	\$143.86	\$159.84
4										
Google Cloud Monthly Cost	\$27.65	\$55.30	\$82.94	\$110.59	\$138.24	\$165.89	\$193.54	\$221.18	\$248.83	\$276.48
AWS Monthly Cost	\$31.97	\$63.94	\$95.90	\$127.87	\$159.84	\$191.81	\$223.78	\$255.74	\$287.71	\$319.68
8										
Google Cloud Monthly Cost	\$55.30	\$110.59	\$165.89	\$221.18	\$276.48	\$331.78	\$387.07	\$442.37	\$497.66	\$552.96
AWS Monthly Cost	\$63.94	\$127.87	\$191.81	\$255.74	\$319.68	\$383.62	\$447.55	\$511.49	\$575.42	\$639.36
P2										
1										
Google Cloud Monthly Cost	\$10.37	\$20.74	\$31.10	\$41.47	\$51.84	\$62.21	\$72.58	\$82.94	\$93.31	\$103.68
AWS Monthly Cost	\$11.99	\$23.98	\$35.96	\$47.95	\$59.94	\$71.93	\$83.92	\$95.90	\$107.89	\$119.88
2										
Google Cloud Monthly Cost	\$20.74	\$41.47	\$62.21	\$82.94	\$103.68	\$124.42	\$145.15	\$165.89	\$186.62	\$207.36
AWS Monthly Cost	\$23.98	\$47.95	\$71.93	\$95.90	\$119.88	\$143.86	\$167.83	\$191.81	\$215.78	\$239.76
4										
Google Cloud Monthly Cost	\$41.47	\$82.94	\$124.42	\$165.89	\$207.36	\$248.83	\$290.30	\$331.78	\$373.25	\$414.72
AWS Monthly Cost	\$47.95	\$95.90	\$143.86	\$191.81	\$239.76	\$287.71	\$335.66	\$383.62	\$431.57	\$479.52
8										
Google Cloud Monthly Cost	\$82.94	\$165.89	\$248.83	\$331.78	\$414.72	\$497.66	\$580.61	\$663.55	\$746.50	\$829.44
AWS Monthly Cost	\$95.90	\$191.81	\$287.71	\$383.62	\$479.52	\$575.42	\$671.33	\$767.23	\$863.14	\$959.04
S1										
1										
Google Cloud Monthly Cost	\$6.91	\$13.82	\$20.74	\$27.65	\$34.56	\$41.47	\$48.38	\$55.30	\$62.21	\$69.12
AWS Monthly Cost	\$7.99	\$15.98	\$23.98	\$31.97	\$39.96	\$47.95	\$55.94	\$63.94	\$71.93	\$79.92
2										
Google Cloud Monthly Cost	\$13.82	\$27.65	\$41.47	\$55.30	\$69.12	\$82.94	\$96.77	\$110.59	\$124.42	\$138.24
AWS Monthly Cost	\$15.84	\$31.68	\$47.52	\$63.36	\$79.20	\$95.04	\$110.88	\$126.72	\$142.56	\$158.40
4										
Google Cloud Monthly Cost	\$27.65	\$55.30	\$82.94	\$110.59	\$138.24	\$165.89	\$193.54	\$221.18	\$248.83	\$276.48
AWS Monthly Cost	\$31.97	\$63.94	\$95.90	\$127.87	\$159.84	\$191.81	\$223.78	\$255.74	\$287.71	\$319.68
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Google Cloud Monthly Cost	\$55.30	\$110.59	\$165.89	\$221.18	\$276.48	\$331.78	\$387.07	\$442.37	\$497.66	\$552.96
AWS Monthly Cost	\$63.94	\$127.87	\$191.81	\$255.74	\$319.68	\$383.62	\$447.55	\$511.49	\$575.42	\$639.36
										Max Cost

Max Cost

Current

Recommended  
Minimum

Ideal

Index Choice