

Cost Comparison

Server vs On Premise

Comparison On Premise vs IaaS vs PaaS vs SaaS

		Server			
NO	Resources	On premise	IaaS	PaaS	SaaS
1	Applications	V	v	v	
2	Databases	v	v		
3	Servers	v			
4	Storage	v			
5	Networking	v	v	v	v

On Premise Cost of Ownership

No	Description	Cap ex	Op ex
1	Servers	v	
2	Server hosting	v	v
3	Backup	v	
4	OS licensing	v	v
5	Supporting software	v	v
6	Business software app licensing	v	v
7	Hardware installation	v	
8	Operating and supporting software licensing	v	
9	Business Software app	v	
10	System operation, support	v	v

Estimated Cost for Cloud

NO	Resources	Price	Unit	for 1 month	Info
1	Server (EC2 c4 large)	\$ 0.10	Hour	\$ 72.00	
2	AWS Support plan	\$ 29.00	month	\$ 29.00	
3	AWS Load Balancer	\$ 0.03	hour	\$ 18.00	
4	AWS S3 Storage (Standard)				over 500tb/month, for video and picture
	put, copy, list	\$ 0.01	1000 req	\$ 0.05	assume: 10000 req/month
	get, and other request	\$ 0.00	10000 req	\$ 0.01	assume: 20000 req/month
5	AWS EFS	\$ 0.30	Gb-month	\$ 15.00	for online learning resources (pdf, word)
					assume: 50 gb/month
6	AWS EBS (General Purpose ssd)	\$ 0.10	Gb-month	\$ 2.50	for backups (assume: 25 gb/month)
	TOTAL			\$ 136.56	