

**Week 15 Module : Cloud Economics and Billing**

**Scenario 1: Web Application with an Amazon RDS hosted database in the US West (Oregon) Region**

Scenario 1's Estimate				
Service Type	Components	Region	Component Price	Service Price
Amazon EC2 Service (US West (Oregon))				\$304.56
	Compute:	US West (Oregon)	\$304.56	
	Reserved Instances (one-time fee):	US West (Oregon)	\$0	
Amazon S3 Service (US West (Oregon))				\$6.74
	S3 Standard Storage:	US West (Oregon)	\$2.3	
	S3 Standard Put Requests:	US West (Oregon)	\$0.05	
	S3 Standard Other Requests:	US West (Oregon)	\$0.01	
	S3 Standard Select Data Returned:	US West (Oregon)	\$0.01	
	S3 Standard Select Data Scanned:	US West (Oregon)	\$0.02	
	Cross Region Replication - Storage:	US West (Oregon)	\$2.3	
	Cross Region Replication - Requests:	US West (Oregon)	\$0.05	
	Cross Region Replication - Inter Region Data Transfer:	US West (Oregon)	\$2	
Amazon Route 53 Service				\$20897.3
	Hosted Zones:	Global	\$2.5	
	Standard Queries:	Global	\$4	
	Basic Checks Within AWS:	Global	\$4975	
	Basic Checks Outside of AWS:	Global	\$15000	
	Resolver:	Global	\$915.8	
Amazon RDS Service (US West (Oregon))				\$5556.92
	DB instances:	US West (Oregon)	\$5533.92	

	Storage:	US West (Oregon)	\$23	
Amazon Elastic Load Balancing (US West (Oregon))				\$84.55
	Application LBs:	US West (Oregon)	\$84.55	
AWS Data Transfer In				\$0
	US West (Oregon) Region:	Global	\$0	
AWS Data Transfer Out				\$2.61
	US West (Oregon) Region:	Global	\$2.61	
AWS Support (Business)				\$2177.23
	Support for all AWS services:		\$2177.23	
		Free Tier Discount:		\$-35.22
		Total Monthly Payment:		\$28994.69

**Scenario 2: Application using Amazon Simple Queue Service (Amazon SQS) and Amazon Athena in the Europe (Ireland) Region**

Scenario 2's Estimate				
Service Type	Components	Region	Component Price	Service Price
Amazon DynamoDB Service (Europe (Ireland))				\$346.06
	On-demand Capacity:	Europe (Ireland)	\$24.04	
	Provisioned Capacity:	Europe (Ireland)	\$0	
	Indexed Data Storage:	Europe (Ireland)	\$311.02	
	DynamoDB Streams:	Europe (Ireland)	\$0	
	On-demand backup:	Europe (Ireland)	\$11	
	Continuous backup (PITR):	Europe (Ireland)	\$0	
	Restoring a table:	Europe (Ireland)	\$0	
	Change Data Capture:	Europe (Ireland)	\$0	
	Data export to Amazon S3:	Europe (Ireland)	\$0	
Amazon SQS Service (Europe (Ireland))				\$0

	Requests - Standard Queue:	Europe (Ireland)	\$0	
	Requests - FIFO Queue:	Europe (Ireland)	\$0	
Amazon VPC Service (Europe (Ireland))				\$1852.37
	VPN Connection:	Europe (Ireland)	\$1830	
	NAT Gateway	Europe (Ireland)	\$22.37	
Amazon Elastic File System Service (Europe (Ireland))				\$67.25
	Storage:	Europe (Ireland)	\$34.25	
	Provisioned Throughput:	Europe (Ireland)	\$33	
AWS Data Transfer In				\$0
	Europe (Ireland) Region:	Global	\$0	
AWS Data Transfer Out				\$4309.61
	Europe (Ireland) Region:	Global	\$4309.61	
AWS Support (Enterprise)				\$15000
	AWS Support Plan Minimum:		\$15000	
		Free Tier Discount:		\$-2.91
		Total Monthly Payment:		\$21572.38