COST-001 - Develop total cost of ownership analysis or cost modelling

An initial cost estimate is made at the beginning of the project for Seguros Patria to review the financial feasibility of moving its workloads to AWS

AWS Calculator

Group hierarchy	Region	Description	Service	Upfront	Monthly	First 12 months to	Currency	Configuration summary
Seguros Patria > Web	US East (N. Virginia)	IIS SIS10	Amazon EC2	0	1033.68	12404.16	USD	Tenancy (Shared Instances), Operating system (Windows Server), DT Inbound: Not selected (0 TB...
Seguros Patria > Web	US East (N. Virginia)	Sistema Operativo	Amazon Elastic Block Store (EBS)	0	20	240	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amou...
Seguros Patria > Web	US East (N. Virginia)	Aplicación	Amazon Elastic Block Store (EBS)	0	64	768	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amou...
Seguros Patria > Web	US East (N. Virginia)	ShareFiles	Amazon FSx for Windows File Server	0	11.5	138	USD	Desired aggregate throughput (0 MBps), Desired storage capacity (100 GB)
Seguros Patria > Hangfire	US East (N. Virginia)	Hangfire	Amazon EC2	0	548.96	6587.52	USD	Tenancy (Shared Instances), Operating system (Windows Server), Advance EC2 instance (m6i.2xla...
Seguros Patria > Hangfire	US East (N. Virginia)	Aplicación	Amazon Elastic Block Store (EBS)	0	16	192	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amou...
Seguros Patria > Hangfire	US East (N. Virginia)	Sistema Operativo	Amazon Elastic Block Store (EBS)	0	20	240	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amou...
Seguros Patria > Database	US East (N. Virginia)		Amazon RDS for SQL server	0	2332	27984	USD	Storage for each RDS instance (General Purpose SSD (gp3)), Storage amount (300 GB), Number o...
Seguros Patria > Database	US East (N. Virginia)		AWS Directory Service	0	87.6	1051.2	USD	Number of directories to be shared (0), Number of additional accounts to which each directory is sh...
Seguros Patria > Networking	US East (N. Virginia)		Application Load Balancer	0	16.83	201.96	USD	Number of Application Load Balancers (1)
Seguros Patria > Networking	US East (N. Virginia)		Data Transfer	0	9	108	USD	DT Inbound: Internet (100 GB per month), DT Outbound: Internet (100 GB per month), DT Intra-Region: (0 TB per month), Data transfer cost (9)
Seguros Patria > Networking	US East (N. Virginia)		VPN Connection	0	36.5	438	USD	Working days per month (22), Number of Site-to-Site VPN Connections (1)
Seguros Patria > Networking	US East (N. Virginia)		Amazon Route 53	0	0.9	10.8	USD	Hosted Zones (1), Additional Records in Hosted Zones ()
Seguros Patria > Networking	US East (N. Virginia)		Network Address Translation (NAT) Gateway	0	37.35	448.2	USD	Number of NAT Gateways (1)
Seguros Patria > Security	US East (N. Virginia)		AWS Web Application Firewall (WAF)	0	20.6	247.2	USD	Number of Web Access Control Lists (Web ACLs) utilized (1 per month), Number of Rules added per Web ACL (10 per month), Number of Managed Rule Groups per Web ACL (5 per month), Number of Rules inside each Rule Group (10 per month)
Seguros Patria > Security	US East (N. Virginia)		AWS Key Management Service	0	11	132	USD	Number of customer managed Customer Master Keys (CMK) (5), Number of symmetric requests (2000000)
Seguros Patria > Management	US East (N. Virginia)		AWS CloudTrail	0	4.5	54	USD	Management events units (millions), Write management trails (1), Read management trails (1), Data events units (millions), S3 trails (1), Lambda trails (1), Insight events units (millions), Trails with Insight events (1), Write management events (1 per month), Read management events (1 per month), S3 operations (1 per month), Number of write management events analyzed (1 per month)
Seguros Patria > Management	US East (N. Virginia)	Jumpbox	Amazon EC2	0	74.62	895.44	USD	Tenancy (Shared Instances), Operating system (Windows Server), Advance EC2 instance (m6i.large), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month), Workload (Consistent, Number of instances: 1), Pricing strategy (On-Demand), Snapshot Frequency (No snapshot storage), Enable monitoring (disabled), Storage amount (150 GB)
Seguros Patria > Web Perifericos	US East (N. Virginia)	Aplicación	Amazon Elastic Block Store (EBS)	0	64	768	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amount per volume (800 GB), Snapshot Frequency (No snapshot storage), Provisioning IOPS per volume (gp3) (3000), General Purpose SSD (gp3) – Throughput (125 MBps)
Seguros Patria > Web Perifericos	US East (N. Virginia)	Sistema Operativo	Amazon Elastic Block Store (EBS)	0	20	240	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amount per volume (250 GB), Snapshot Frequency (No snapshot storage), Provisioning IOPS per volume (gp3) (3000), General Purpose SSD (gp3) – Throughput (125 MBps)
Seguros Patria > Web Perifericos	US East (N. Virginia)	IIS SIS10	Amazon EC2	0	1033.68	12404.16	USD	Tenancy (Shared Instances), Operating system (Windows Server), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month), Workload (Consistent, Number of instances: 1), Advance EC2 instance (c6i.4xlarge), Pricing strategy (), Enable monitoring (disabled), Snapshot Frequency (No snapshot storage)
		Precio público estimado AWS		USD	5462.72			
		Precio local RD		USD	5606.85			

Acknowledgement
* AWS Pricing Calculator provides only an estimate of your AWS fees and doesn't include any taxes that might apply. Your actual fees depend on a variety of factors including your actual usage of AWS services.

The estimation is made with the on-demand cost model to later be able to monitor the use of the different components, execute optimization and evaluate the acquisition of Saving s Plan or reserves for cost savings.