Commitment Manager

Used to purchase or renew Coverage commitments.

			Permission	Description	Why Zesty uses it	Savings Report	Managed: Mandatory
EC2	EC2	List	ec2:List*	Used to fetch a list of EC2 instances, EBS Volumes and IP addresses across all regions	Allows the platform to discover and identify resources inventory	✔	✔
			tag:GetResources	Returns all the tagged or previously tagged resources that are located in the specified AWS Region for the account	Provides meaningful names and tags associated with resources	✔	✔
			tag:GetTagKeys	Returns all tag keys currently in use in the specified AWS Region for the calling account	Provides meaningful names and tags associated with resources	✔	✔
			tag:GetTagValues	Returns all tag values for the specified key that are used in the specified AWS Region for the calling account	Provides meaningful names and tags associated with resources	✔	✔
			elasticloadbalancing:Describe*	Returns a full list of Load Balancers within the account	Used to identify idle/unused Load Balancers that don't have a target to route traffic to	✔	✔
		Read	ec2:Describe*	Returns a full description of EC2 Instances, Reserved Instances, EBS Volumes and their specifications	Allow the platform to identify resources specifications and properties	✔	✔
	EC2 Autoscaling	Read	autoscaling:Describe*	Returns a list of auto-scaling groups and a list of EC2 Instances that belongs to this group	Used to fetch minimum and maximum thresholds of the scaling groups	✔	✔

Permission				Description	Why Zesty uses it	Savings Report	Managed: Mandatory
EC2	Organizations	List	organizations:List*	Returns a list of accounts within the organization	Used to verify that all sub-accounts belong to the same organization. Important for RI/Saving Plans savings sharing	✔	✔
		Read	organizations:Describe*	Returns a description of the accounts - account name, creation date	Provides meaningful account names	✔	✔
	Cloudwatch	List	cloudwatch:List*	Returns the historical metrics	Used to identify available monitoring metrics provided by default CloudWatch	✔	✔
		Read	cloudwatch:Describe*	Returns a description about available metrics	Used to fetch a description of the monitoring metric	✔	✔
			cloudwatch:GetMetricStatistics	Returns the historical metrics	Used to fetch utilization metrics	✔	✔
	Savings Plans	List	savingsplans:List*	Returns list of available Savings Plans	Allows the platform to discover and identify available Saving Plans	✔	✔
		Read	savingsplans:Describe*	Returns a full description per Savings Plan offering purchased - Duration, Payment term, Expiration Date etc.	Used to monitor dollar value of Savings Plans in place and their expiration dates	✔	✔
	Cost Explorer	List	ce:List*	Returns historical cost and usage data	Used to collect historical usage trends and prices to calculate the potential savings and ongoing monitoring	✔	✔
		Read	ce:Describe*	Returns a description of cost and usage metrics available	Used to discover cost and usage metric descriptions	✔	✔
			ce:Get*	Queries a specific cost metric	Used to load historical cost metrics	✔	✔
EC2	Cost and Usage Report	Read	cur:DescribeReportDefinitions	Lists the AWS Cost and Usage reports available to this account	Used to verify the existing CUR report configurations	✔	✔

Permission				Description	Why Zesty uses it	Savings Report	Managed: Mandatory
EC2 Reserved Instances	EC2	List	servicequotas:ListServiceQuotas	Lists the applied quota values for the specified AWS service	Used to find the Quota Code for purchasing new RIs	X	✔
		Read	servicequotas:GetServiceQuota	Retrieves the applied quota value for the specified quota	Used to find the amount of new RIs that are able to be purchased per month	X	✔
			servicequotas:GetRequestedServiceQuotaChange	Retrieves information about the specified quota increase request	Used to check that the quota request has been completed successfully	X	✔
		Write	ec2:CreateReservedInstances Listing	Creates a listing for Amazon EC2 Standard Reserved Instances to be sold in the Reserved Instance Marketplace	Used to sell RI's on the marketplace	X	✔
			ec2:PurchaseReservedInstances Offering	Purchases a Reserved Instance for use with your account	Used to buy RI's	X	✔
			ec2:PurchaseHostReservation	Purchases a reservation with configurations that match those of your Dedicated Host	Used to purchase RI's for Dedicated Hosts	X	✔
			ec2:GetReservedInstances ExchangeQuote	Returns a quote and exchange information for exchanging one or more specified Convertible Reserved Instances for a new Convertible Reserved Instance	Used to manage convertible RI's offering	X	✔
			ec2:AcceptReservedInstances ExchangeQuote	Accepts the Convertible Reserved Instance exchange quote described in the GetReservedInstancesExchangeQuote call	Used to exchange RI's types between families	X	✔
EC2 Reserved Instances	EC2	Write	ec2:CancelReservedInstances Listing	Cancels the specified Reserved Instance listing in the Reserved Instance Marketplace	Cancel RI listing on the marketplace	X	✔

Permission				Description	Why Zesty uses it	Savings Report	Managed: Mandatory
Database			ec2:ModifyReservedInstances	Modifies the Availability Zone, instance count, instance type, or network platform (EC2-Classic or EC2-VPC) of your Reserved Instances	Used to modify RI scope from zonal to regional	X	✔
			servicequotas:RequestServiceQuotaIncrease	Submits a quota increase request for the specified quota	Used to create the Quota increase request	X	✔
	RDS	List	rds:List*	Lists all Amazon RDS Resources	Used to get a list of RDS instances	X	X
		List	rds:ListTagsForResource	Lists all tags on an Amazon RDS Resource	Provides meaningful names and tags associated with database resources	X	X
		Read	rds:Describe*	Returns a description of RDS instance and usage metrics available	Allows the platform to identify database resources specifications and properties	X	X
	elasticache	List	elasticache:List*	Lists all Amazon ElastiCache Resources	Allows the platform to discover and identify database resources inventory	X	X
		Read	elasticache:Describe*	Returns a description of ElastiCache instance and usage metrics available	Allows the platform to identify database resources specifications and properties	X	X
	redshift	Read	redshift:Describe*	Returns a description of RedShift instance and usage metrics available	Allows the platform to identify database resources specifications and properties	X	X
Database	elasticsearch	List	es:List*	Lists all Amazon ElasticSearch Resources	Allows the platform to discover and identify database resources inventory	X	X
		Read	es:Describe*	Returns a description of ElasticSearch instance and usage metrics available	Allows the platform to identify database resources specifications and properties	X	X

Permission			Description	Why Zesty uses it	Savings Report	Managed: Mandatory
S3	S3		es:GetCompatibleElastic search Versions	Returns a list of upgrade compatible Elasticsearch versions	Used to provide upgrade insights and recommendations	X	X
		List	s3:HeadBucket	This action is useful to determine if a bucket exists and you have permission to access it	Allows the platform to assess bucket permissions	X	X
			s3:ListAllMyBuckets	Returns a list of all buckets owned by the sender of the request	Allows the platform to discover and identify S3 bucket inventory	X	X
			s3:ListBucket	Returns a list of all buckets owned by the authenticated sender of the request	Lists files inside the bucket	X	X
		Read	s3:GetBucketAcl	This implementation of the "get" action uses the ACL subresource to return the access control list (ACL) of a bucket	Allows the platform to assess users access list	X	X
			s3:GetBucketCORS	Returns the Cross-Origin Resource Sharing (CORS) configuration information set for the bucket	Allows the platform to assess CORS configuration of website hosting buckets	X	X
			s3:GetBucketLocation	Returns the Region the bucket resides in	Used to aggregate bucket size per region to know what region this bucket is located in	X	X

Permission				Description	Why Zesty uses it	Savings Report	Managed: Mandatory
S3	S3	Read	s3:GetBucketLogging	Returns the logging status of a bucket and the permissions users have to view and modify that status	Allows the platform to assess buckets logging status	X	X
			s3:GetBucketPolicy	Returns the policy of a specified bucket	Allows the platform to assess the access policy of a bucket	X	X
			s3:GetBucketRequestPayment	Returns the request payment configuration of a bucket	Allows the platform to assess who bucket access charges would be billed to	X	X
			s3:GetBucketTagging	Returns the tag set associated with the bucket	Provides meaningful names and tags associated with S3 buckets	X	X
			s3:GetBucketVersioning	Returns the versioning state of a bucket	Allows the platform to assess if object versioning is enabled	X	X
			s3:GetBucketWebsite	Returns the website configuration for a bucket	Allows the platform to identify buckets that are configured as website hosting	X	X
			s3:GetEncryptionConfiguration	Returns the default encryption configuration for an Amazon S3 bucket	Allows the platform to assess if bucket encryption is enabled	X	X
			s3:GetLifecycleConfiguration	Returns the lifecycle configuration information set on the bucket	Identifies object's lifecycle configuration policies	X	X
			s3:GetMetricsConfiguration	Gets a metrics configuration (specified by the metrics configuration ID) from the bucket	Allows the platform to provide bucket size and the total amount of object metrics	X	X
			s3:GetReplicationConfiguration	Retrieves the application replication configuration associated with the specified application.	Identifies if a replication configuration is enabled	X	X
Kubernetes	EKS	List	eks:ListClusters	Lists the Amazon EKS clusters	Discovers and identifies existing EKS clusters and their configuration	X	X

Permission				Description	Why Zesty uses it	Savings Report	Managed: Mandatory
			eks:ListNodegroups	Lists the Amazon EKS node groups attached to given cluster	Discovers and identifies existing EKS node groups and their configuration	X	X
			eks:ListUpdates	Lists the updates for a given Amazon EKS cluster/nodegroup/add-on	Discovers and identifies updates to existing EKS clusters/node groups/add-ons	X	X
			eks:ListAddons	Lists the Amazon EKS add-ons for a given cluster	Discovers and identifies existing EKS add-ons and their configuration	X	X
			eks:ListIdentityProvider Configs	Lists the IDP configurations associated with a given cluster	Used to ensure that Zesty can access the EKS Cluster, and to display the current access permissions	X	X
		Read	eks:AccessKubernetesApi	View Kubernetes objects via AWS EKS console	Used to provide meaning and context to the information associated with EKS resources from the AWS dashboard	X	X
			eks:DescribeCluster	Retrieves descriptive information about an Amazon EKS cluster	Identifies EKS cluster resource specifications and properties	X	X
			eks:DescribeUpdate	Retrieves a given update for a given Amazon EKS cluster/nodegroup/add-on	Identifies updates to existing EKS clusters/node groups/add-ons with their specifications and properties	X	X
			eks:DescribeAddon	Retrieve descriptive information about an Amazon EKS add-on	Identifies existing EKS add-ons with their specifications and properties	X	X
			eks:DescribeNodegroup	Retrieves descriptive information about an Amazon EKS NodeGroup	Identifies existing EKS NodeGroup with their specifications and properties	X	X
			eks:DescribeAddonConf iguration	Retrieves configuration options about an Amazon EKS add-on	Identifies existing EKS add-on configuration options with their specifications and properties	X	X

Permission				Description	Why Zesty uses it	Savings Report	Managed: Mandatory
			eks:DescribeAddonVersions	Retrieves descriptive version information about the add-ons that Amazon EKS Add-ons supports	Identifies existing EKS add-on versions with their specifications and properties	X	X
			eks:DescribeIdentityProviderConfig	Retrieves descriptive information about an IDP configuration associated with a cluster	Identifies existing access permissions to an EKS cluster with their specifications and properties.	X	X
			eks:ListTagsForResource	Lists tags for the specified resource	Provides meaningful names and tags associated with EKS resources	X	X
	Write		eks:UpdateAddon	Updates Amazon EKS add-on configurations	Used as part of Zesty service to modify EKS add-ons	X	X
			eks:UpdateNodegroupConfig	Updates Amazon EKS nodegroup configurations	Used to modify EKS NodeGroup configurations (eg: min/max/desired capacity or labels)	X	X
			eks:CreateNodegroup	Grants permission to create an Amazon EKS Nodegroup	Used to provision new EKS NodeGroups in order to scale up the EKS cluster	X	X
			eks:DeleteNodegroup	Grants permission to delete an Amazon EKS Nodegroup	Used to delete EKS NodeGroups in order to scale down the EKS cluster	X	X
			eks:TagResource	Grants permission to tag the specified resource	Used to tag EKS Resources which are managed by Zesty	X	X
			eks:UntagResource	Grants permission to untag the specified resource	Used to remove tags from EKS Resources which are no longer managed by Zesty	X	X