

Zesty Disk

Install Collector

PERMISSION			WHAT IT DOES	WHY ZESTY USES IT	MANDATORY	
Install Collector			Collects the following metrics: <ul style="list-style-type: none"> Free space Total space Read IOPS Write IOPS Read Throughput Write Throughput 	Used to monitor filesystem's current state in real time	✓	
EC2	EC2	List	ec2:List*	Used to fetch a list of EC2 instances, EBS Volumes and IP addresses across all regions	Allow 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	✓
	EC2 Auto Scaling	Read	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	✓
			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	✓
			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	✓
	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/Savings Plans savings sharing	✓
		Read	organizations:Describe*	Returns a description of the accounts - account name, creation date	Provides meaningful account names	✓
		List	cloudwatch:List*	Returns a list of available metrics	Used to identify available monitoring metrics provided by default CloudWatch	✗
	Cloudwatch	Read	cloudwatch:Describe*	Returns a description account 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 a full list of Savings Plans purchased within the account	Used to identify Savings Plans commitments already in place	✓
		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	✓
		Read	ce:Get*	Queries a specific cost metric	Used to load historical cost metrics	✓

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Zesty Disk	EC2	Write	ec2:EnableVolumeIO	Enables I/O operations for a volume that had I/O operations disabled because the data on the volume was potentially inconsistent	Used for EBS Volume troubleshooting	✓
			ec2:ModifyVolumeAttribute	Modifies a volume attribute	Used to assign attributes, like Delete on Termination	✓
			ec2:ModifyInstanceAttribute	Modifies the specified attribute of the specified instance	Used to modify attributes, like Delete on Termination	✓
			ec2:ModifyVolume	Allows modification of several parameters of existing EBS volumes, including volume size, volume type, and IOPS capacity	Used as part of the Zesty Disk service to modify provisioned volumes managed by Zesty	✓
			ec2:CreateVolume	Creates an EBS volume that can be attached to an instance in the same Availability Zone	Used as part of the Zesty Disk service to provision new volumes to extend filesystems managed by Zesty	✓
			ec2>DeleteVolume	Deletes the specified EBS volume	Used as part of the Zesty Disk service to delete over-provisioned capacity of the managed filesystems by Zesty Disk	✓
			ec2:AttachVolume	Attaches an EBS volume to a running or stopped instance and exposes it to the instance with the specified device name	Used as part of the Zesty Disk service to attach new or migrated volumes to instances leveraging the Zesty Disk solution	✓
			ec2:DetachVolume	Detaches an EBS volume from an instance	Used as part of the Zesty Disk service to detach existing over-provisioned capacity which is no longer needed as determined by the Zesty AI	✓
			ec2:CreateSnapshot	Creates a snapshot of an EBS volume and stores it in Amazon S3	Used as part of the Zesty Disk service to maintain backups	✓
			ec2:CreateSnapshots	Creates crash-consistent snapshots of multiple EBS volumes and stores the data in S3	Used as part of the Zesty Disk service to maintain backups	✓
			ec2>DeleteSnapshot	Deletes the specified snapshot	Used for backup retention policies	✓
			ec2:CreateTags	Adds or overwrites only the specified tags for the specified Amazon EC2 resource or resources	Used to preserve user defined tags on all Zesty Disk volumes	✓
			kms:Decrypt	Decrypts ciphertext that was encrypted by a AWS KMS customer master key (CMK)	Used to decrypt the EBS volume, once attached to an instance	✗
			kms:Encrypt	Encrypts plaintext into ciphertext by using a customer master key (CMK)	Used to encrypt the EBS volume	✗
			kms:GenerateDataKey WithoutPlaintext	Generates a unique symmetric data key	Used to encrypt the EBS volume	✗
			kms:DescribeKey	Provides detailed information about a customer master key (CMK)	Leverage existing KMS keys for ongoing management of EBS volumes	✗
			kms:GenerateDataKey PairWithoutPlaintext	Generates a unique asymmetric data key pair	Used to encrypt the EBS volume	✗
			kms>CreateGrant	Adds a grant to a customer master key (CMK)	Used as a policy instrument that allows AWS to use the KMS service to encrypt/decrypt volumes	✗
			autoscaling:CreateLaunch Configuration	Creates launch configurations	Used to create a new Launch Configuration in order update the Auto Scaling Groups	✗
			autoscaling:CreateOrUpdateTags	Creates or updates tags for the specified Auto Scaling group	Used to tag Auto Scaling Groups with a tag signifying Zesty is managing the volumes	✗
			autoscaling>DeleteLaunch Configuration	Deletes the specified launch configuration	Used to delete Launch Configuration upon user request from the Zesty UI	✗
			autoscaling:StartInstanceRefresh	Starts a new instance refresh operation	Used for rolling updates for Auto Scaling Groups	✗
			autoscaling:TerminateInstance InAutoScalingGroup	Terminates the specified instance and optionally adjusts the desired group size	Used to change the Auto Scaling Groups instances desired capacity and terminate instance in the Auto Scaling Groups from within the Zesty UI	✗
			autoscaling:Update AutoScalingGroup	Updates the configuration for the specified Auto Scaling group	Updates the configuration based on the user's choices within the Zesty UI	✗
			ec2:CreateLaunchTemplate	Creates a launch template	Creates a new launch template based on the user's selections within the Zesty UI	✗
			ec2:CreateLaunch TemplateVersion	Creates a new version for a launch template	Creates a new version of an existing Launch template within the Zesty UI	✗
			ec2:ModifyLaunchTemplate	Modifies a launch template	Updates an existing launch template based on the user's selections within the Zesty UI	✗