



# Policy Catalog AWS Permissions List

This document contains a list of cloud provider permissions required by each AWS policy template in the Flexera Cloud Cost Optimization Policy Catalog.

- Required permissions may change as policy templates in the catalog are updated. An up-to-date version of this PDF file is [available in the Flexera Policy Template Github Repository](#).
- *Required* permissions are required for the policy template in question to work correctly; *optional* permissions enable additional functionality.
- Permissions with a green *Read Only* label are read-only, while those with a red *Write* label can potentially make changes to your cloud environment.

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## AWS Account Credentials 0.1.8

### AWS Required Permissions:

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Accounts Missing Service Control Policies 3.0.5

### AWS Required Permissions:

organizations:ListAccounts *Read Only*

organizations:ListPolicies *Read Only*

organizations:ListPoliciesForTarget *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Burstable EC2 Instances 4.4.5

### AWS Required Permissions:

cloudwatch:GetMetricData *Read Only*

cloudwatch:ListMetrics *Read Only*  
ec2:DescribeInstances *Read Only*  
ec2:DescribeRegions *Read Only*  
ec2:DescribeTags *Read Only*  
sts:GetCallerIdentity *Read Only*

**AWS Optional Permissions:**

ec2:DescribeInstanceStatus *Write*  
ec2:ModifyInstanceAttribute *Write*  
ec2:StartInstances *Write*  
ec2:StopInstances *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Cheaper Regions** 1.0.4

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS CloudTrail Not Enabled In All Regions** 3.0.5

**AWS Required Permissions:**

cloudtrail:DescribeTrails *Read Only*  
cloudtrail:GetEventSelectors *Read Only*  
cloudtrail:GetTrailStatus *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS CloudTrail S3 Buckets Without Access Logging** 3.0.5

**AWS Required Permissions:**

cloudtrail:DescribeTrails *Read Only*  
s3:GetBucketLocation *Read Only*  
s3:GetBucketLogging *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS CloudTrails Not Integrated With CloudWatch 3.0.5

### AWS Required Permissions:

cloudtrail:DescribeTrails *Read Only*

cloudtrail:GetTrailStatus *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS CloudTrails With Read Logging Enabled 0.1.6

### AWS Required Permissions:

cloudtrail:DescribeTrails *Read Only*

cloudtrail:GetEventSelectors *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

cloudtrail:PutEventSelectors *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS CloudTrails Without Encrypted Logs 3.0.5

### AWS Required Permissions:

cloudtrail:DescribeTrails *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS CloudTrails Without Log File Validation Enabled 3.0.6

### AWS Required Permissions:

cloudtrail:DescribeTrails *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS CloudTrails Without Object-level Events Logging Enabled 3.0.5

### AWS Required Permissions:

cloudtrail:DescribeTrails *Read Only*

cloudtrail:GetEventSelectors *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Cost Report - EC2 Instance Cost Per Hour 0.2.3

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Customer Managed Keys (CMKs) Without Rotation Enabled 3.0.5

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*

kms:GetKeyRotationStatus *Read Only*

kms:ListKeys *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Disallowed Regions 5.0.6

### AWS Required Permissions:

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:StopInstances *Write*

ec2:TerminateInstances *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS EC2 Compute Optimizer Recommendations 0.3.6

### AWS Required Permissions:

compute-optimizer:GetEC2InstanceRecommendations *Read Only*

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:ModifyInstanceAttribute *Write*

ec2:StartInstances *Write*

ec2:StopInstances *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS EC2 Instances Time Stopped Report 0.2.6

### AWS Required Permissions:

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:DescribeInstanceStatus *Write*

ec2:StopInstances *Write*

ec2:TerminateInstances *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS EC2 Instances not running FlexNet Inventory Agent 4.3.6

### AWS Required Permissions:

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

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## AWS EKS Clusters Without Spot Instances 0.1.6

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*

eks:DescribeCluster *Read Only*  
eks:DescribeNodegroup *Read Only*  
eks:ListClusters *Read Only*  
eks:ListNodegroups *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Elastic Load Balancers With Unencrypted Listeners 4.0.6**

**AWS Required Permissions:**

ec2:DescribeRegions *Read Only*  
elasticloadbalancing:DescribeListeners *Read Only*  
elasticloadbalancing:DescribeLoadBalancers *Read Only*  
elasticloadbalancing:DescribeTags *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Expiring Reserved Instances 3.0.4**

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Expiring Savings Plans 3.0.4**

**AWS Required Permissions:**

savingsplans:DescribeSavingsPlans *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS GP3 Upgradeable Volumes 4.4.8**

**AWS Required Permissions:**

ec2:DescribeRegions *Read Only*  
ec2:DescribeVolumes *Read Only*  
pricing:GetProducts *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS IAM Account Missing Support Role 3.0.6****AWS Required Permissions:**

iam:ListEntitiesForPolicy *Read Only*

iam:ListPolicies *Read Only*

sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS IAM Attached Admin Policies 3.0.6****AWS Required Permissions:**

iam:GetPolicyVersion *Read Only*

iam:ListPolicies *Read Only*

sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS IAM Expired SSL/TLS Certificates 3.0.6****AWS Required Permissions:**

iam:ListServerCertificates *Read Only*

sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS IAM Insufficient Required Password Length 3.0.6****AWS Required Permissions:**

iam:GetAccountPasswordPolicy *Read Only*

sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS IAM Password Policy Not Restricting Password Reuse 3.0.6

### AWS Required Permissions:

iam:GetAccountPasswordPolicy *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS IAM Role Audit 3.0.8

### AWS Required Permissions:

iam:ListRoleTags *Read Only*

iam:ListRoles *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS IAM Root Account Access Keys 3.0.6

### AWS Required Permissions:

iam:GetAccountSummary *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS IAM Root User Account Without Hardware MFA 3.0.6

### AWS Required Permissions:

iam:GetAccountSummary *Read Only*

iam:ListVirtualMFADevices *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS IAM Root User Account Without MFA 3.0.6

### AWS Required Permissions:



iam:GetAccountSummary *Read Only*  
iam:ListVirtualMFADevices *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS IAM Root User Doing Everyday Tasks 3.0.6

**AWS Required Permissions:**

iam:GenerateCredentialReport *Read Only*  
iam:GetCredentialReport *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS IAM User Accounts Without MFA 3.0.6

**AWS Required Permissions:**

iam:GenerateCredentialReport *Read Only*  
iam:GetCredentialReport *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS IAM Users With Directly-Attached Policies 3.0.6

**AWS Required Permissions:**

iam:ListAttachedUserPolicies *Read Only*  
iam:ListUserPolicies *Read Only*  
iam:ListUsers *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS IAM Users With Multiple Active Access Keys 3.0.6

**AWS Required Permissions:**

iam:ListAccessKeys *Read Only*  
iam:ListUsers *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS IAM Users With Old Access Keys** 3.0.6

**AWS Required Permissions:**

iam:GenerateCredentialReport *Read Only*  
iam:GetCredentialReport *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Idle Compute Instances** 5.6.8

**AWS Required Permissions:**

cloudwatch:GetMetricData *Read Only*  
cloudwatch:GetMetricStatistics *Read Only*  
cloudwatch:ListMetrics *Read Only*  
ec2:DescribeInstances *Read Only*  
ec2:DescribeRegions *Read Only*  
ec2:DescribeTags *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Idle NAT Gateways** 0.1.7

**AWS Required Permissions:**

ec2:DescribeNatGateways *Read Only*  
ec2:DescribeRegions *Read Only*  
sts:GetCallerIdentity *Read Only*

**AWS Optional Permissions:**

ec2:DeleteNatGateway *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS Internet-Accessible Elastic Load Balancers 4.0.6

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
elasticloadbalancing:DescribeListeners *Read Only*  
elasticloadbalancing:DescribeLoadBalancers *Read Only*  
elasticloadbalancing:DescribeTags *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

elasticloadbalancing:DeleteLoadBalancer *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Lambda Functions With High Error Rate 5.0.6

### AWS Required Permissions:

cloudwatch:GetMetricData *Read Only*  
cloudwatch:ListMetrics *Read Only*  
ec2:DescribeRegions *Read Only*  
lambda:ListFunctions *Read Only*  
lambda:ListTags *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Lambda Functions Without Provisioned Concurrency 0.1.6

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
lambda:ListFunctions *Read Only*  
lambda:ListProvisionedConcurrencyConfigs *Read Only*  
lambda:ListTags *Read Only*  
lambda:ListVersionsByFunction *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Long Running Instances 5.1.6

### AWS Required Permissions:

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:DescribeInstanceStatus *Write*

ec2:StopInstances *Write*

ec2:TerminateInstances *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Long Stopped EC2 Instances 6.0.7

### AWS Required Permissions:

cloudwatch:GetMetricData *Read Only*

cloudwatch:GetMetricStatistics *Read Only*

cloudwatch:ListMetrics *Read Only*

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:DescribeInstanceStatus *Write*

ec2:TerminateInstances *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Missing Regions 0.2.6

### AWS Required Permissions:

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS New Marketplace Products 0.3.7

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Object Storage Optimization 4.0.8

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*

s3:GetObject *Read Only*

s3:GetObjectTagging *Read Only*

s3:ListAllMyBuckets *Read Only*

s3:ListBucket *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

s3:DeleteObject *Write*

s3:PutObject *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Old Snapshots 8.4.9

### AWS Required Permissions:

cloudtrail:LookupEvents *Read Only*

ec2:DescribeImages *Read Only*

ec2:DescribeRegions *Read Only*

ec2:DescribeSnapshots *Read Only*

rds:DescribeDBClusterSnapshots *Read Only*

rds:DescribeDBClusters *Read Only*

rds:DescribeDBInstances *Read Only*

rds:DescribeDBSnapshots *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:DeleteSnapshot *Write*

ec2:DeregisterImage *Write*

rds:DeleteDBClusterSnapshot *Write*

rds:DeleteDBSnapshot *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Open S3 Buckets 3.1.6

### AWS Required Permissions:

s3:GetBucketAcl *Read Only*

s3:GetBucketLocation *Read Only*

s3:ListAllMyBuckets *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Oversized S3 Buckets 3.1.7

### AWS Required Permissions:

cloudwatch:GetMetricData *Read Only*

cloudwatch:ListMetrics *Read Only*

s3:GetBucketLocation *Read Only*

s3:GetBucketTagging *Read Only*

s3:ListAllMyBuckets *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Overutilized EC2 Instances 0.1.5

### AWS Required Permissions:

cloudwatch:GetMetricData *Read Only*

cloudwatch:GetMetricStatistics *Read Only*

cloudwatch:ListMetrics *Read Only*

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

ec2:DescribeTags *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:DescribeInstanceStatus *Write*

ec2:ModifyInstanceAttribute *Write*

ec2:StartInstances *Write*

ec2:StopInstances *Write*

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Publicly Accessible CloudTrail S3 Buckets 3.0.5**

### **AWS Required Permissions:**

cloudtrail:DescribeTrails *Read Only*

s3:GetBucketAcl *Read Only*

s3:GetBucketLocation *Read Only*

s3:GetBucketPolicy *Read Only*

sts:GetCallerIdentity *Read Only*

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Publicly Accessible RDS Instances 5.1.4**

### **AWS Required Permissions:**

ec2:DescribeRegions *Read Only*

rds:DescribeDBInstances *Read Only*

rds:ListTagsForResource *Read Only*

sts:GetCallerIdentity *Read Only*

### **AWS Optional Permissions:**

rds:DeleteDBInstance *Write*

rds:ModifyDBInstance *Write*

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS RDS Instances 4.2.8**

### **AWS Required Permissions:**

ec2:DescribeRegions *Read Only*

rds:DescribeDBInstances *Read Only*

sts:GetCallerIdentity *Read Only*

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS RDS Instances With Unapproved Backup Settings 3.0.6

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
rds:DescribeDBInstances *Read Only*  
rds:ListTagsForResource *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Regions Without Access Analyzer Enabled 4.0.6

### AWS Required Permissions:

access-analyzer:ListAnalyzers *Read Only*  
ec2:DescribeRegions *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Regions Without Config Fully Enabled 3.0.6

### AWS Required Permissions:

config:DescribeConfigurationRecorderStatus *Read Only*  
ec2:DescribeRegions *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Regions Without Default EBS Encryption 4.0.5

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
ec2:GetEbsEncryptionByDefault *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Reserved Instances Coverage 3.0.4

### AWS Required Permissions:

ce:GetReservationCoverage *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Reserved Instances Recommendations 3.6.6

### AWS Required Permissions:

ce:GetReservationPurchaseRecommendation *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Reserved Instances Utilization 3.0.4

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Resources Under Extended Support 0.2.6

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Rightsize EBS Volumes 0.3.9

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*

ec2:DescribeVolumes *Read Only*

pricing:GetProducts *Read Only*

### AWS Optional Permissions:

ec2:ModifyVolume *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Rightsize EC2 Instances 5.4.5

### **AWS Required Permissions:**

cloudwatch:GetMetricData *Read Only*  
cloudwatch:GetMetricStatistics *Read Only*  
cloudwatch:ListMetrics *Read Only*  
ec2:DescribeInstances *Read Only*  
ec2:DescribeRegions *Read Only*  
ec2:DescribeTags *Read Only*  
sts:GetCallerIdentity *Read Only*

### **AWS Optional Permissions:**

ec2:DescribeInstanceStatus *Write*  
ec2:ModifyInstanceAttribute *Write*  
ec2:StartInstances *Write*  
ec2:StopInstances *Write*  
ec2:TerminateInstances *Write*

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Rightsize ElastiCache 0.3.5**

### **AWS Required Permissions:**

cloudwatch:GetMetricData *Read Only*  
ec2:DescribeRegions *Read Only*  
elasticache:DescribeCacheClusters *Read Only*  
elasticache:ListTagsForResource *Read Only*  
sts:GetCallerIdentity *Read Only*

### **AWS Optional Permissions:**

elasticache:ModifyCacheCluster *Write*

### **Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## **AWS Rightsize RDS Instances 5.8.6**

### **AWS Required Permissions:**

cloudwatch:GetMetricData *Read Only*  
cloudwatch:GetMetricStatistics *Read Only*  
ec2:DescribeRegions *Read Only*  
rds:DescribeDBInstances *Read Only*  
rds:DescribeOrderableDBInstanceOptions *Read Only*

rds:ListTagsForResource *Read Only*  
sts:GetCallerIdentity *Read Only*

**AWS Optional Permissions:**

rds>DeleteDBInstance *Write*  
rds:ModifyDBInstance *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Rightsize Redshift** 0.1.8

**AWS Required Permissions:**

cloudwatch:GetMetricData *Read Only*  
ec2:DescribeRegions *Read Only*  
redshift:DescribeClusters *Read Only*  
sts:GetCallerIdentity *Read Only*

**AWS Optional Permissions:**

redshift:ModifyCluster *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Rule-Based Dimension From Account Tags** 3.1.0

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*  
observer *Read Only*  
rule\_based\_dimensions\_manager *Read Only*

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**AWS S3 Buckets Accepting HTTP Requests** 3.0.7

**AWS Required Permissions:**

s3:GetBucketLocation *Read Only*  
s3:GetBucketPolicy *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without Default Encryption Configuration 3.0.6

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:GetEncryptionConfiguration *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

s3:DeleteBucket *Write*  
s3:PutEncryptionConfiguration *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without Intelligent Tiering 4.0.6

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:GetIntelligentTieringConfiguration *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without Lifecycle Configuration 0.1.5

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:GetLifecycleConfiguration *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without MFA Delete Enabled 3.0.6

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:GetBucketVersioning *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without Public Access Blocked 3.0.6

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*  
s3:GetBucketPublicAccessBlock *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without Server Access Logging 3.0.6

### AWS Required Permissions:

s3:GetBucketLocation *Read Only*  
s3:GetBucketLogging *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:ListAllMyBuckets *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

s3:PutBucketLogging *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS S3 Incomplete Multi-Part Uploads 0.1.4

**AWS Required Permissions:**

s3:GetBucketLocation *Read Only*  
s3:GetBucketTagging *Read Only*  
s3:ListAllMyBuckets *Read Only*  
s3:ListBucketMultipartUploads *Read Only*  
s3:ListMultipartUploadParts *Read Only*  
sts:GetCallerIdentity *Read Only*

**AWS Optional Permissions:**

s3:AbortMultipartUpload *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS S3 Usage Type Rule-Based Dimension 0.1.4****Flexera Required Permissions:**

billing\_center\_viewer *Read Only*  
observer *Read Only*  
rule\_based\_dimensions\_manager *Read Only*

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**AWS Savings Plan Recommendations 3.3.7****AWS Required Permissions:**

ce:GetSavingsPlansPurchaseRecommendation *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Savings Plan Utilization 4.0.5****AWS Required Permissions:**

ce:GetSavingsPlansUtilization *Read Only*  
savingsplans:DescribeSavingsPlans *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Savings Realized From Rate Reduction Purchases 4.0.4****Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS Schedule Instance 8.0.5

### AWS Required Permissions:

ec2:CreateTags *Write*  
ec2:DeleteTags *Write*  
ec2:DescribeInstances *Read Only*  
ec2:DescribeRegions *Read Only*  
ec2:StartInstances *Write*  
ec2:StopInstances *Write*  
ec2:TerminateInstances *Write*  
kms:CreateGrant *Write*  
kms:Decrypt *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Scheduled EC2 Events 4.0.6

### AWS Required Permissions:

ec2:DescribeInstanceStatus *Read Only*  
ec2:DescribeInstances *Read Only*  
ec2:DescribeRegions *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Superseded EBS Volumes 6.3.10

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
ec2:DescribeVolumes *Read Only*  
pricing:GetProducts *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:ModifyVolume *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Superseded EC2 Instances 3.0.1

### AWS Required Permissions:

ec2:DescribeInstances *Read Only*

ec2:DescribeRegions *Read Only*

ec2:DescribeTags *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:DescribeInstanceStatus *Write*

ec2:ModifyInstanceAttribute *Write*

ec2:StartInstances *Write*

ec2:StopInstances *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Tag Cardinality Report 3.1.7

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*

organizations:ListAccounts *Read Only*

organizations:ListTagsForResource *Read Only*

tag:GetResources *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Unencrypted EBS Volumes 5.0.6

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*

ec2:DescribeVolumes *Read Only*

sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Unencrypted RDS Instances 4.1.4

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
rds:DescribeDBInstances *Read Only*  
rds:ListTagsForResource *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

rds>DeleteDBInstance *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Untagged Resources 5.4.4

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
sts:GetCallerIdentity *Read Only*  
tag:GetResources *Read Only*

### AWS Optional Permissions:

organizations:TagResource *Write*  
tag:TagResources *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Unused Application Load Balancers 0.2.7

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
elasticloadbalancing:DescribeListeners *Read Only*  
elasticloadbalancing:DescribeLoadBalancers *Read Only*  
elasticloadbalancing:DescribeTags *Read Only*  
elasticloadbalancing:DescribeTargetGroups *Read Only*  
elasticloadbalancing:DescribeTargetHealth *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

elasticloadbalancing>DeleteLoadBalancer *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Unused Classic Load Balancers 6.4.7

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
elasticloadbalancing:DescribeInstanceHealth *Read Only*  
elasticloadbalancing:DescribeLoadBalancers *Read Only*  
elasticloadbalancing:DescribeTags *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

elasticloadbalancing:DeleteLoadBalancer *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Unused ECS Clusters 4.0.6

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*  
ecs:DescribeClusters *Read Only*  
ecs:ListClusters *Read Only*  
sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ecs>DeleteCluster *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Unused IAM Credentials 3.0.6

### AWS Required Permissions:

iam:GenerateCredentialReport *Read Only*  
iam:GetCredentialReport *Read Only*  
sts:GetCallerIdentity *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Unused IP Addresses 9.2.8

### AWS Required Permissions:

cloudtrail:LookupEvents *Read Only*

ec2:DescribeAddresses *Read Only*

ec2:DescribeRegions *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

ec2:ReleaseAddress *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

---

## AWS Unused Network Load Balancers 0.2.7

### AWS Required Permissions:

ec2:DescribeRegions *Read Only*

elasticloadbalancing:DescribeListeners *Read Only*

elasticloadbalancing:DescribeLoadBalancers *Read Only*

elasticloadbalancing:DescribeTags *Read Only*

elasticloadbalancing:DescribeTargetGroups *Read Only*

elasticloadbalancing:DescribeTargetHealth *Read Only*

sts:GetCallerIdentity *Read Only*

### AWS Optional Permissions:

elasticloadbalancing:DeleteLoadBalancer *Write*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Unused Volumes 8.3.8

### AWS Required Permissions:

cloudwatch:GetMetricData *Read Only*

cloudwatch:GetMetricStatistics *Read Only*

ec2:DescribeRegions *Read Only*

ec2:DescribeSnapshots *Read Only*

ec2:DescribeVolumes *Read Only*

### AWS Optional Permissions:

ec2:CreateSnapshot *Write*

ec2:CreateTags *Write*  
ec2:DeleteVolume *Write*  
ec2:DetachVolume *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Usage Forecast - Instance Time Used** 1.1.3

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Usage Forecast - Number of Instance Hours Used** 3.3.8

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Usage Forecast - Number of Instance vCPUs Used** 3.3.8

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Usage Report - Instance Time Used** 1.1.3

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

---

**AWS Usage Report - Number of Instance Hours Used** 4.1.7

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

---

**AWS Usage Report - Number of Instance vCPUs Used** 4.1.7

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS VPCs Without FlowLogs Enabled** 4.0.6

**AWS Required Permissions:**

ec2:DescribeFlowLogs *Read Only*

ec2:DescribeRegions *Read Only*

ec2:DescribeVpcs *Read Only*

sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**Common Bill Ingestion from AWS S3 Object Storage 0.2.3****AWS Optional Permissions:**

s3:GetObject *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

csm\_bill\_upload\_admin *Read Only*

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**Common Bill Ingestion from AWS S3 Object Storage (Iterating) 0.1.1****AWS Optional Permissions:**

s3:GetObject *Read Only*

s3:ListBucket *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

csm\_bill\_upload\_admin *Read Only*

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