



# 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 0.1.9

### **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 3.1.1

### **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 4.5.1

### **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:ModifyInstanceStateAttribute *Write*  
ec2:StartInstances *Write*  
ec2:StopInstances *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS Cheaper Regions** 1.0.5**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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**AWS CloudTrail Not Enabled In All Regions** 3.0.6**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** 3.0.6**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** 3.0.6**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 0.2.1

### 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 3.0.6

### 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 Log File Validation Enabled 3.0.7

### 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

3.0.6

### 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 0.2.4

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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

3.0.6

### 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 5.0.7

### 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 0.4.1

### 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 0.3.1

### 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 4.4.1

**AWS Required Permissions:**

ec2:DescribeInstances *Read Only*  
ec2:DescribeRegions *Read Only*

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## AWS EKS Clusters Without Spot Instances 0.2.2

**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 4.0.7

**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 3.1.1

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS Expiring Savings Plans 3.1.1

### AWS Required Permissions:

savingsplans:DescribeSavingsPlans *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS IAM Account Missing Support Role 3.0.7

### 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 3.0.7

### 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 3.0.7

### 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 3.0.7

### 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** 3.0.7**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** 3.0.10**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** 3.0.7**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** 3.0.7**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** 3.0.7**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 3.0.7

**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 3.0.7

**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 3.0.7

**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 3.0.7

**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 3.0.7

### 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 NAT Gateways 0.3.2

### 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 4.0.7

### 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 5.1.1

### 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** 0.2.1

#### **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** 5.2.1

#### **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** 6.1.1

#### **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 0.2.7

**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 0.4.1

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS Object Storage Optimization 4.0.10

**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 8.6.2

**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** 3.1.8

**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** 3.2.3

**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** 0.2.1

**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:ModifyInstanceStateAttribute *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 3.0.6

**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 5.1.5

**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 With Unapproved Backup Settings 3.1.1

**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 4.0.7

### 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 3.0.7

### 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 4.0.6

### 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 3.0.5

### AWS Required Permissions:

ce:GetReservationCoverage *Read Only*

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Reserved Instances Recommendations 3.7.1

### AWS Required Permissions:

ce:GetReservationPurchaseRecommendation *Read Only*

**Flexera Required Permissions:**billing\_center\_viewer *Read Only***AWS Reserved Instances Utilization** 3.1.1**Flexera Required Permissions:**billing\_center\_viewer *Read Only***AWS Resources Under Extended Support** 0.3.2**Flexera Required Permissions:**billing\_center\_viewer *Read Only***AWS Rightsize EBS Volumes** 0.5.2**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***AWS Rightsize EC2 Instances** 5.6.2**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:ModifyInstanceStateAttribute *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 0.5.2

### 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 5.10.2

### 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 0.2.1

### 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 3.1.1

### 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 3.0.8

### 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 3.0.7

### 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 4.2.2

### AWS Required Permissions:

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

**AWS Optional Permissions:**

s3:PutLifecycleConfiguration *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS S3 Buckets Without Lifecycle Configuration 0.2.1

**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 3.0.7

**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 3.0.7

**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 3.0.7

**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 0.2.1

**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 0.1.5

**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 3.4.3

**AWS Required Permissions:**

ce:GetSavingsPlansPurchaseRecommendation *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

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## AWS Savings Plan Utilization 4.1.1

**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 4.0.7

**Flexera Required Permissions:**  
billing\_center\_viewer *Read Only*

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## AWS Schedule Instance 8.0.7

**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*

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## AWS Scheduled EC2 Events 4.1.1

**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*

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## AWS Superseded EBS Volumes 6.5.2

**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** 3.2.2**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:ModifyInstanceStateAttribute *Write*

ec2:StartInstances *Write*

ec2:StopInstances *Write*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

---

**AWS Tag Cardinality Report** 3.2.1**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*

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**AWS Unencrypted EBS Volumes** 5.0.7**AWS Required Permissions:**

ec2:DescribeRegions *Read Only*

ec2:DescribeVolumes *Read Only*

sts:GetCallerIdentity *Read Only*

**Flexera Required Permissions:**

billing\_center\_viewer *Read Only*

---

**AWS Unencrypted RDS Instances** 4.1.5

**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** 5.5.1**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** 0.4.2**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*

---

**AWS Unused Classic Load Balancers** 6.5.1**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 4.2.2

**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*

---

## AWS Unused IAM Credentials 3.0.7

**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 9.4.2

**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*

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## AWS Unused Network Load Balancers 0.4.2

### 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 Usage Forecast - Instance Time Used 1.1.5

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS Usage Report - Instance Time Used 1.1.4

### Flexera Required Permissions:

billing\_center\_viewer *Read Only*

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## AWS VPCs Without FlowLogs Enabled 4.0.7

### 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 0.2.4

### AWS Optional Permissions:

s3:GetObject *Read Only*

**Flexera Required Permissions:**billing\_center\_viewer *Read Only*csm\_bill\_upload\_admin *Read Only***Common Bill Ingestion from AWS S3 Object Storage (Iterating)**

0.1.2

**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***Cost Reallocation - AWS Support**

0.1.1

**Flexera Required Permissions:**billing\_center\_viewer *Read Only***Flexera Optional Permissions:**org\_owner *Read Only*