



## 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 0.1.4

#### 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 3.0.2

#### 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 4.4.0

#### 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** 1.0.1

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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**AWS CloudTrail Not Enabled In All Regions** 3.0.2

**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** 3.0.2

**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** 3.0.2

**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 0.1.2

**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 3.0.2

**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 3.0.3

**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 3.0.2

**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** 0.2.0**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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**AWS Customer Managed Keys (CMKs) Without Rotation Enabled** 3.0.2**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** 5.0.2**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** 0.3.2**AWS Required Permissions:**

compute-optimizer:GetEC2InstanceRecommendations Read Only  
ec2:DescribeInstances Read Only  
ec2:DescribeRegions Read Only  
sts:GetCallerIdentity Read Only

**AWS Optional Permissions:**

ec2:ModifyInstanceStateAttribute 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 0.2.2

**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 4.3.3

**AWS Required Permissions:**

ec2:DescribeInstances Read Only

ec2:DescribeRegions Read Only

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## AWS EKS Clusters Without Spot Instances 0.1.2

**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 4.0.2

**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 3.0.1

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS Expiring Savings Plans 3.0.1

**AWS Required Permissions:**

savingsplans:DescribeSavingsPlans Read Only

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS GP3 Upgradeable Volumes 4.4.5

**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 3.0.3

**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 3.0.3

### 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 3.0.3

### 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 3.0.3

### 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 3.0.3

### 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 3.0.4

### 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** 3.0.3**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** 3.0.3**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** 3.0.3**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** 3.0.3**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 3.0.3

### 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 3.0.3

### 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 3.0.3

### 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 3.0.3

### 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 5.6.5

**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

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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**AWS Idle NAT Gateways 0.1.3****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 4.0.2****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 5.0.2****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 0.1.2

**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 5.1.2

**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 6.0.2

**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 0.2.2

**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 0.3.4

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS Object Storage Optimization 4.0.4

**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 8.4.4

**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** 3.1.2**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** 3.1.2**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 0.1.0

### 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 3.0.2

### 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 5.1.0

### 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 4.2.5

### 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 3.0.2

### 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 4.0.3

### 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 3.0.2

### 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 4.0.1

### 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 3.0.1

### AWS Required Permissions:

ce:GetReservationCoverage Read Only

### Flexera Required Permissions:

billing\_center\_viewer Read Only

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## AWS Reserved Instances Recommendations 3.6.3

### AWS Required Permissions:

ce:GetReservationPurchaseRecommendation Read Only

### Flexera Required Permissions:

billing\_center\_viewer Read Only

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## AWS Reserved Instances Utilization 3.0.1

### Flexera Required Permissions:

billing\_center\_viewer Read Only

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## AWS Resources Under Extended Support 0.2.3

### Flexera Required Permissions:

billing\_center\_viewer Read Only

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## AWS Rightsize EBS Volumes 0.3.4

### 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 Rightsizer EC2 Instances** 5.3.2**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 Rightsizer ElastiCache** 0.3.0**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 Rightsizer RDS Instances** 5.7.0

**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 0.1.3****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 3.0.0****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 3.0.2****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 3.0.2

**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 4.0.2

**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 0.1.1

**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 3.0.2

### 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 3.0.2

### 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 3.0.2

### 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 0.1.0

### 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** 0.1.0

**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** 3.3.3

**AWS Required Permissions:**

ce:GetSavingsPlansPurchaseRecommendation Read Only

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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**AWS Savings Plan Utilization** 4.0.2

**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** 4.0.1

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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**AWS Schedule Instance** 8.0.0

**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** 4.0.2**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** 6.3.6**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

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**AWS Superseded EC2 Instances** 2.4.0**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

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**AWS Tag Cardinality Report** 3.1.4

**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** 5.0.2

**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** 4.1.0

**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

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**AWS Untagged Resources** 5.3.2**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

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**AWS Unused Application Load Balancers** 0.2.3**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** 6.4.3**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** 4.0.2

**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

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**AWS Unused IAM Credentials** 3.0.3

**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** 9.2.3

**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 0.2.3

### 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 8.3.4

### 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 1.1.0

### Flexera Required Permissions:

billing\_center\_viewer Read Only

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## AWS Usage Forecast - Number of Instance Hours Used 3.3.5

### Flexera Required Permissions:

billing\_center\_viewer Read Only

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## AWS Usage Forecast - Number of Instance vCPUs Used 3.3.5

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS Usage Report - Instance Time Used 1.1.0

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS Usage Report - Number of Instance Hours Used 4.1.5

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS Usage Report - Number of Instance vCPUs Used 4.1.5

**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## AWS VPCs Without FlowLogs Enabled 4.0.2

**AWS Required Permissions:**

ec2:DescribeFlowLogs Read Only  
ec2:DescribeRegions Read Only  
ec2:DescribeVpcs Read Only  
sts:GetCallerIdentity Read Only

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**Flexera Required Permissions:**

billing\_center\_viewer Read Only

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## Common Bill Ingestion from AWS S3 Object Storage 0.1.1

**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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