



Policy Catalog Master Permissions List

This document contains a list of cloud provider permissions required by each 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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AKS Node Pools Without Autoscaling 3.0.2

Azure Resource Manager Required Permissions:

Microsoft.ContainerService/managedClusters/agentPools/read `Read Only`
Microsoft.ContainerService/managedClusters/read `Read Only`

Flexera Required Permissions:

billing_center_viewer `Read Only`

AKS Node Pools Without Zero Autoscaling 3.1.2

Azure Resource Manager Required Permissions:

Microsoft.ContainerService/managedClusters/agentPools/read `Read Only`
Microsoft.ContainerService/managedClusters/read `Read Only`

Flexera Required Permissions:

billing_center_viewer `Read Only`

AWS Account Credentials 0.1.4

AWS Required Permissions:

sts:GetCallerIdentity `Read Only`

Flexera Required Permissions:

billing_center_viewer `Read Only`

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

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

AWS Cheaper Regions 1.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

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

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

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

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

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

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

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

AWS Cost Report - EC2 Instance Cost Per Hour 0.2.0

Flexera Required Permissions:

billing_center_viewer Read Only

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

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

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

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:DescribeInstanceState Write
ec2:StopInstances Write
ec2:TerminateInstances Write

Flexera Required Permissions:

billing_center_viewer Read Only

AWS EC2 Instances not running FlexNet Inventory Agent 4.3.3

AWS Required Permissions:

ec2:DescribeInstances Read Only
ec2:DescribeRegions Read Only

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

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

AWS Expiring Reserved Instances 3.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Expiring Savings Plans 3.0.1

AWS Required Permissions:

savingsplans:DescribeSavingsPlans Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

AWS New Marketplace Products 0.3.4**Flexera Required Permissions:**

billing_center_viewer Read Only

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

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

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

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

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

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](#)

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](#)

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](#)

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](#)

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](#)

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](#)

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](#)

AWS Reserved Instances Coverage 3.0.1

AWS Required Permissions:

ce:GetReservationCoverage [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

AWS Reserved Instances Recommendations 3.6.3

AWS Required Permissions:

ce:GetReservationPurchaseRecommendation [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

AWS Reserved Instances Utilization 3.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Resources Under Extended Support 0.2.3

Flexera Required Permissions:

billing_center_viewer Read Only

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

AWS Rightsize 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

AWS Rightsize 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

AWS Rightsize 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

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

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

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

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

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

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

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

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

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

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

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

AWS Savings Plan Recommendations 3.3.3**AWS Required Permissions:**

ce:GetSavingsPlansPurchaseRecommendation Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

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

AWS Savings Realized From Rate Reduction Purchases 4.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

AWS Usage Forecast - Instance Time Used 1.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Usage Forecast - Number of Instance Hours Used 3.3.5

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Usage Forecast - Number of Instance vCPUs Used 3.3.5

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Usage Report - Instance Time Used 1.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Usage Report - Number of Instance Hours Used 4.1.5

Flexera Required Permissions:

billing_center_viewer Read Only

AWS Usage Report - Number of Instance vCPUs Used 4.1.5

Flexera Required Permissions:

billing_center_viewer Read Only

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

Flexera Required Permissions:

billing_center_viewer Read Only

Applied Policy Template Errors 4.0.1

Flexera Required Permissions:

policy_viewer Read Only

Azure AHUB Utilization with Manual Entry 4.0.2

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only
Microsoft.Compute/virtualMachines/vmSizes/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Advisor Carbon Reduction Recommendations 0.1.1

Azure Resource Manager Required Permissions:

Microsoft.Advisor/recommendations/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Advisor Compute Instances Recommendations 0.1.1

Azure Resource Manager Required Permissions:

Microsoft.Advisor/recommendations/read Read Only
Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Blob Storage Accounts Without Logging Enabled 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Storage/storageAccounts/read Read Only

Azure Storage Required Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/list Read Only

Microsoft.Storage/storageAccounts/blobServices/containers/properties/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Blob Storage Accounts Without Soft Delete Enabled 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Blob Storage Optimization 4.0.4**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Azure Storage Required Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/read Read Only

Microsoft.Storage/storageAccounts/blobServices/containers/list Read Only

Azure Storage Optional Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/delete Write

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Bring-Your-Own-License (BYOL) Report 0.3.2**Flexera Required Permissions:**

billing_center_viewer Read Only

Azure Cheaper Regions 1.0.1**Flexera Required Permissions:**

billing_center_viewer Read Only

Azure China Common Bill Ingestion 2.0.2

Azure China Enterprise Agreement Required Permissions:

Enterprise Agreement [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Compute Instances Time Powered Off Report 0.2.1

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read [Read Only](#)

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/delete [Write](#)

Microsoft.Compute/virtualMachines/powerOff/action [Write](#)

Microsoft.Compute/virtualMachines/write [Write](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Credential 0.1.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Data Lake Optimization 0.1.0

Azure Resource Manager Required Permissions:

Microsoft.Storage/storageAccounts/read [Read Only](#)

Azure Storage Required Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/read [Read Only](#)

Microsoft.Storage/storageAccounts/blobServices/containers/list [Read Only](#)

Azure Storage Optional Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/delete [Write](#)

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/write [Write](#)

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Databricks Rightsize Compute Instances 0.3.0

Azure Resource Manager Required Permissions:

Microsoft.Compute/skus/read Read Only

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Insights/metrics/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Disallowed Regions 4.1.2

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Expiring Certificates 4.0.2

Azure Resource Manager Required Permissions:

Microsoft.Web/certificates/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Web/certificates/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Expiring Reserved Instances 3.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Expiring Savings Plans 0.1.2

Azure Resource Manager Required Permissions:

Microsoft.Billing/billingAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Guest Users 3.0.2

Microsoft Graph Required Permissions:

Directory.Read.All Read Only

User.Read.All Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Hybrid Use Benefit for Linux Server 5.1.3

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Hybrid Use Benefit for SQL 4.2.1

Azure Resource Manager Required Permissions:

Microsoft.Sql/managedInstances/read Read Only

Microsoft.Sql/servers/read Read Only

Microsoft.SqlVirtualMachine/sqlVirtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Sql/managedInstances/write Write

Microsoft.Sql/servers/write Write

Microsoft.SqlVirtualMachine/sqlVirtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Hybrid Use Benefit for Windows Server 5.2.3

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Idle Compute Instances 5.5.4

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Insights/metrics/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Instances not running FlexNet Inventory Agent 4.2.1

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Long Running Instances 6.1.2

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Long Stopped Compute Instances 6.0.1

Azure Resource Manager Required Permissions:

Microsoft.Compute/disks/read Read Only

Microsoft.Compute/virtualMachines/instanceView/read Read Only

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Insights/eventtypes/management/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Missing Subscriptions 0.1.2

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure MySQL Flexible Servers Without Secure TLS 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.DBforMySQL/flexibleServers/configurations/read Read Only

Microsoft.DBforMySQL/flexibleServers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure MySQL Servers Without Enforced SSL 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.DBforMySQL/servers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Network Security Groups With Inbound RDP Open 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Network/networkSecurityGroups/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Network Security Groups With Inbound SSH Open 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Network/networkSecurityGroups/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure New Marketplace Products 0.5.0

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Old Snapshots 7.2.2

Azure Resource Manager Required Permissions:

Microsoft.Compute/snapshots/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/snapshots/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Overutilized Compute Instances 0.1.0

Azure Resource Manager Required Permissions:

Microsoft.Compute/locations/vmSizes/read Read Only

Microsoft.Compute/skus/read Read Only

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Insights/metrics/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Policy Audit 3.0.2

Azure Resource Manager Required Permissions:

Microsoft.Authorization/policyAssignments/read Read Only

Microsoft.Authorization/policyDefinitions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure PostgreSQL Servers With Bad Log Settings 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.DBForPostgreSQL/servers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure PostgreSQL Servers With Insufficient Log Retention 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.DBForPostgreSQL/servers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure PostgreSQL Servers Without Connection Throttling 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.DBForPostgreSQL/servers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure PostgreSQL Servers Without Infrastructure Encryption 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.DBForPostgreSQL/servers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Publicly-Accessible Blob Containers 3.0.2**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Azure Storage Required Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/list Read Only

Microsoft.Storage/storageAccounts/blobServices/containers/properties/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Publicly-Accessible SQL Managed Instances 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/managedInstances/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Sql/managedInstances/delete Write

Microsoft.Sql/managedInstances/update Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Queue Storage Accounts Without Logging Enabled 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Storage/storageAccounts/read Read Only

Azure Storage Required Permissions:

Storage Queue Data Reader Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Regulatory Compliance 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Security/regulatoryComplianceStandards/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Reserved Instances Recommendations 4.2.0

Azure Resource Manager Required Permissions:

Microsoft.Consumption/reservationRecommendations/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Billing/billingAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Reserved Instances Utilization 3.1.3

Azure Resource Manager Required Permissions:

Microsoft.Billing/billingAccounts/read Read Only

Microsoft.Consumption/reservationSummaries/read Read Only

Microsoft.Consumption/reservationTransactions/read Read Only

Azure Reserved Instances Utilization MCA 1.0.2

Azure Resource Manager Required Permissions:

Microsoft.Capacity/reservations/read Read Only

Azure Rightsize Compute Instances 6.1.3

Azure Resource Manager Required Permissions:

Microsoft.Compute/locations/vmSizes/read Read Only

Microsoft.Compute/skus/read Read Only

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Insights/metrics/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/delete Write

Microsoft.Compute/virtualMachines/powerOff/action Write

Microsoft.Compute/virtualMachines/start/action Write

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize Managed Disks 2.5.1

Azure Resource Manager Required Permissions:

Microsoft.Compute/disks/read Read Only

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Insights/metrics/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize MySQL Flexible Servers 0.2.2

Azure Resource Manager Required Permissions:

Microsoft.DBforMySQL/flexibleServers/read Read Only

Microsoft.Insights/metrics/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.DBforMySQL/flexibleServers/delete Write

Microsoft.DBforMySQL/flexibleServers/update Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize MySQL Single Servers 0.2.2

Azure Resource Manager Required Permissions:

Microsoft.DBforMySQL/servers/read Read Only

Microsoft.Insights/metrics/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.DBforMySQL/servers/delete Write

Microsoft.DBforMySQL/servers/update Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize NetApp Resources 2.0.5

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.NetApp/netAppAccounts/capacityPools/read Read Only

Microsoft.NetApp/netAppAccounts/capacityPools/volumes/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.NetApp/netAppAccounts/capacityPools/volumes/write Write

Microsoft.NetApp/netAppAccounts/capacityPools/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize SQL Database Storage 0.1.3

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.Sql/servers/databases/metrics/read Read Only

Microsoft.Sql/servers/databases/read Read Only

Microsoft.Sql/servers/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize SQL Databases 6.0.0

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.Sql/servers/databases/metrics/read Read Only

Microsoft.Sql/servers/databases/read Read Only

Microsoft.Sql/servers/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Sql/servers/databases/delete Write

Microsoft.Sql/servers/databases/update Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize SQL Managed Instance Storage 0.2.3

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.Sql/managedInstances/metrics/read Read Only

Microsoft.Sql/managedInstances/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Sql/managedInstances/update Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize SQL Managed Instances 0.3.2

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.Sql/managedInstances/metrics/read Read Only

Microsoft.Sql/managedInstances/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Sql/managedInstances/delete Write

Microsoft.Sql/managedInstances/update Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rightsize Synapse SQL Pools 0.1.2

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.Synapse/sqlPools/delete Read Only

Microsoft.Synapse/sqlPools/pause/action Read Only

Microsoft.Synapse/sqlPools/read Read Only

Microsoft.Synapse/sqlPools/resume/action Read Only

Microsoft.Synapse/sqlPools/write Read Only

Microsoft.Synapse/workspaces/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Rule-Based Dimension From Resource Group Tags 2.0.0

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/providers/read Read Only

Microsoft.Resources/subscriptions/resources/read Read Only

Microsoft.Resources/tags/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

observer Read Only

rule_based_dimensions_manager Read Only

Azure Rule-Based Dimension From Subscription Tags 2.0.0

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/providers/read Read Only

Microsoft.Resources/subscriptions/resources/read Read Only

Microsoft.Resources/tags/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

observer Read Only

rule_based_dimensions_manager Read Only

Azure SQL Databases Without Encryption 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/databases/read Read Only

Microsoft.Sql/servers/databases/transparentDataEncryption/read Read Only

Microsoft.Sql/servers/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Vulnerability Assessment Does Not Notify Admins 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Microsoft.Sql/servers/vulnerabilityAssessments/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Vulnerability Assessment Without Email Notifications 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Microsoft.Sql/servers/vulnerabilityAssessments/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Vulnerability Assessment Without Periodic Scans 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Microsoft.Sql/servers/vulnerabilityAssessments/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers With Insufficient Auditing Retention 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Without Active Directory Admin 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/administrators/read Read Only

Microsoft.Sql/servers/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Without Advanced Threat Protection (ATP) 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Microsoft.Sql/servers/securityAlertPolicies/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Without Auditing Enabled 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Without Elastic Pools 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Sql/servers/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure SQL Servers Without Vulnerability Assessment (VA) Enabled 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Sql/servers/read Read Only

Microsoft.Sql/servers/vulnerabilityAssessments/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Savings Plan Recommendations 3.1.2**Azure Resource Manager Required Permissions:**

Microsoft.CostManagement/benefitRecommendations/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Savings Plan Utilization 0.1.2**Azure Resource Manager Required Permissions:**

Microsoft.Billing/billingAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Savings Realized from Reservations 3.9.3**Flexera Required Permissions:**

billing_center_viewer Read Only

Azure Schedule Instance 7.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Compute/virtualMachines/deallocate/action Write

Microsoft.Compute/virtualMachines/delete Write

Microsoft.Compute/virtualMachines/read Read Only

Microsoft.Compute/virtualMachines/start/action Write

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Storage Accounts Allowing Default Network Access 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Storage Accounts Without Secure TLS 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Storage Accounts Without Secure Transfer 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Storage Accounts Without Trusted Microsoft Services Access 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Storage Accounts without Lifecycle Management Policies 4.0.2**Azure Resource Manager Required Permissions:**

Microsoft.Storage/storageAccounts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Subscriptions Without High Severity Alerts 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Security/securityContacts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Subscriptions Without Log Analytics Auto-Provisioning 3.0.2

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Security/autoProvisioningSettings/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Subscriptions Without Owner Security Alerts 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Security/securityContacts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Subscriptions Without Security Contact Email 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Security/securityContacts/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Superseded Compute Instances 2.1.3

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Table Storage Accounts Without Logging Enabled 3.0.1

Azure Resource Manager Required Permissions:

Microsoft.Storage/storageAccounts/read Read Only

Azure Storage Required Permissions:

Storage Table Data Reader Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Tag Cardinality Report 3.2.2

Azure Resource Manager Required Permissions:

Microsoft.Resources/resourceGroups/read Read Only

Microsoft.Resources/subscriptions/providers/read Read Only

Microsoft.Resources/subscriptions/read Read Only

Microsoft.Resources/subscriptions/resources/read Read Only

Microsoft.Resources/tags/read Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Untagged Resources 3.2.2

Azure Resource Manager Required Permissions:

Microsoft.Resources/subscriptions/providers/read Read Only

Microsoft.Resources/subscriptions/resources/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Resources/tags/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Untagged Virtual Machines 1.1.2

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/virtualMachines/write Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused App Service Plans 0.1.2

Azure Resource Manager Required Permissions:

Microsoft.Web/serverfarms/read Read Only

Microsoft.Web/sites/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Web/serverfarms/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused Firewalls 0.2.3

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only

Microsoft.Network/azureFirewalls/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Network/azureFirewalls/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused IP Addresses 7.3.2

Azure Resource Manager Required Permissions:

Microsoft.Insights/eventtypes/values/read Read Only

Microsoft.Network/publicIPAddresses/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Network/publicIPAddresses/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused Load Balancers 0.1.3

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only
Microsoft.Network/loadBalancers/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Network/loadBalancers/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused SQL Databases 5.4.4

Azure Resource Manager Required Permissions:

Microsoft.Insights/metrics/read Read Only
Microsoft.Sql/servers/databases/metrics/read Read Only
Microsoft.Sql/servers/databases/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Sql/servers/databases/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused Virtual Network Gateways 0.1.1

Azure Resource Manager Required Permissions:

Microsoft.Network/connections/read Read Only
Microsoft.Network/virtualNetworkGateways/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Network/virtualNetworkGateways/delete Write

Flexera Required Permissions:

billing_center_viewer Read Only

Azure Unused Volumes 8.2.3

Azure Resource Manager Required Permissions:

Microsoft.Compute/disks/read Read Only
Microsoft.Insights/metrics/read Read Only

Azure Resource Manager Optional Permissions:

Microsoft.Compute/disks/write [Write](#)
Microsoft.Compute/snapshots/write [Write](#)
Microsoft.Compute/virtualMachines/read [Write](#)
Microsoft.Compute/virtualMachines/write [Write](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Usage Report - Amount of Instance Memory Used 2.1.6

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Usage Report - Instance Time Used 1.0.4

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Usage Report - Number of Instance Hours Used 2.1.5

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Usage Report - Number of Instance vCPUs Used 2.1.6

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure VMs Not Using Managed Disks 4.0.1

Azure Resource Manager Required Permissions:

Microsoft.Compute/virtualMachines/read [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Web Apps With Unoptimized Scaling 0.2.1

Azure Resource Manager Required Permissions:

Microsoft.Insights/autoscalesettings/read [Read Only](#)

Microsoft.Web/sites/read [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Azure Web Apps Without Secure TLS 3.0.1**Azure Resource Manager Required Permissions:**

Microsoft.Web/sites/read [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Billing Center Access Report 3.1.2**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

enterprise_manager [Read Only](#)

Budget Alerts 3.4.0**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

Budget vs Actual Spend Report 2.5.3**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

budget_viewer [Read Only](#)

Cheaper Regions 2.4.3**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

policy_designer [Read Only](#)

policy_manager [Read Only](#)

policy_publisher [Read Only](#)

Cloud Bill Processing Error Notification 2.5.3**Flexera Required Permissions:**

ca_user [Read Only](#)

csm_bill_upload_admin [Read Only](#)

enterprise_manager [Read Only](#)
observer [Read Only](#)

Cloud Cost Anomaly Alerts 3.7.2

Flexera Required Permissions:

billing_center_viewer [Read Only](#)
policy_manager [Read Only](#)

Cloud Spend Forecast - Straight-Line 4.0.1

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Cloud Spend Moving Average Report 4.0.1

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

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](#)

Common Bill Ingestion from Azure Blob Storage 0.1.2

Azure Storage Required Permissions:

Microsoft.Storage/storageAccounts/blobServices/containers/blobs/read [Read Only](#)

Flexera Required Permissions:

billing_center_viewer [Read Only](#)
csm_bill_upload_admin [Read Only](#)

Currency Conversion 5.0.2

Flexera Required Permissions:

enterprise_manager [Read Only](#)

Email Cost Optimization Recommendations 0.6.1

Flexera Required Permissions:

billing_center_viewer Read Only

FinOps Dashboards 0.1.0

Flexera Required Permissions:

csm_dashboard_admin Read Only

Fixed Cost Common Bill Ingestion 0.2.1

Flexera Required Permissions:

billing_center_viewer Read Only

csm_bill_upload_admin Read Only

Flexera Automation Disallowed Credentials 0.1.0

Flexera Required Permissions:

credential_viewer Read Only

Flexera Optional Permissions:

iam_admin Write

Flexera Automation Expiring Credentials 0.1.0

Flexera Required Permissions:

credential_viewer Read Only

Flexera Optional Permissions:

iam_admin Write

Flexera Automation Outdated Applied Policies 0.2.3

Flexera Required Permissions:

policy_viewer Read Only

Flexera Optional Permissions:

policy_manager Write

Flexera Billing Centers from Dimension Values 0.1.1

Flexera Required Permissions:

billing_center_admin Read Only

Flexera CCO Delete All Billing Centers 1.1.1

Flexera Required Permissions:

billing_center_admin Read Only

policy_manager Read Only

Flexera FOCUS Report 0.1.3

Flexera Required Permissions:

billing_center_viewer Read Only

Flexera Onboarding 0.1.0

Flexera Required Permissions:

org_owner Read Only

Flexera One API Event Report 0.1.0

Flexera Required Permissions:

iam_admin Read Only

Flexera One User Access Report 0.1.1

Flexera Required Permissions:

iam_admin Read Only

Flexera Users With Explicit Roles 4.0.1

Flexera Required Permissions:

iam_admin Read Only

GitHub Available Seats 3.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

GitHub Required Permissions:

admin:org [Read Only](#)

GitHub Repositories Without Admin Team 3.0.1**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

GitHub Required Permissions:

admin:org [Read Only](#)

GitHub Repository Branches Without Protection 3.0.1**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

GitHub Required Permissions:

admin:org [Read Only](#)

GitHub Undersized Repositories 3.0.1**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

GitHub Required Permissions:

admin:org [Read Only](#)

GitHub Unpermitted Outside Collaborators 3.0.1**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

GitHub Required Permissions:

admin:org [Read Only](#)

GitHub Unpermitted Repository Names 3.0.1**Flexera Required Permissions:**

billing_center_viewer [Read Only](#)

GitHub Required Permissions:

admin:org [Read Only](#)

GitHub Unpermitted Top-Level Teams 3.0.1

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

GitHub Required Permissions:

admin:org [Read Only](#)

Google Cheaper Regions 1.0.1

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Google Cloud Run Anomaly Detection 0.2.0

Google Cloud Required Permissions:

compute.regions.list [Read Only](#)
monitoring.timeSeries.list [Read Only](#)
resourcemanager.projects.get [Read Only](#)
run.services.list [Read Only](#)

Google Cloud Storage Without Lifecycle Configuration 0.2.0

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Google Cloud Required Permissions:

resourcemanager.projects.get [Read Only](#)
storage.buckets.list [Read Only](#)

Google Committed Use Discount Recommender 4.3.0

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Google Cloud Required Permissions:

compute.regions.list [Read Only](#)
recommender.usageCommitmentRecommendations.list [Read Only](#)
resourcemanager.projects.get [Read Only](#)

Google Cloud Optional Permissions:

billing.accounts.getSpendingInformation [Read Only](#)

billing.resourceCosts.get Read Only

Google Committed Use Discount Report 3.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.commitments.get Read Only

resourcemanager.projects.get Read Only

Google Credential 0.1.1

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

resourcemanager.projects.get Read Only

Google Expiring Committed Use Discounts (CUD) 3.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.commitments.get Read Only

resourcemanager.projects.get Read Only

Google Idle Cloud SQL Instance Recommender 4.1.3

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

cloudsql.instances.list Read Only

recommender.cloudsqlIdleInstanceRecommendations.list Read Only

resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

cloudsql.instances.delete Write

cloudsql.instances.update Write

Google Idle IP Address Recommender 4.3.0

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Google Cloud Required Permissions:

compute.addresses.list [Read Only](#)

recommender.computeAddressIdleResourceRecommendations.list [Read Only](#)

resourcemanager.projects.get [Read Only](#)

Google Cloud Optional Permissions:

compute.addresses.delete [Write](#)

Google Idle Persistent Disk Recommender 4.3.0

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Google Cloud Required Permissions:

compute.disks.list [Read Only](#)

logging.logEntries.list [Read Only](#)

logging.privateLogEntries.list [Read Only](#)

logging.views.access [Read Only](#)

recommender.computeDiskIdleResourceRecommendations.list [Read Only](#)

resourcemanager.projects.get [Read Only](#)

Google Cloud Optional Permissions:

compute.disks.createSnapshot [Write](#)

compute.disks.delete [Write](#)

compute.globalOperations.get [Write](#)

compute.snapshots.create [Write](#)

compute.zoneOperations.get [Write](#)

Google Label Cardinality Report 0.2.0

Flexera Required Permissions:

billing_center_viewer [Read Only](#)

Google Cloud Required Permissions:

bigquery.datasets.get [Read Only](#)

bigquery.datasets.list [Read Only](#)

bigquery.tables.get [Read Only](#)

bigquery.tables.list [Read Only](#)

cloudsql.instances.get [Read Only](#)

cloudsql.instances.list [Read Only](#)

compute.addresses.get Read Only
compute.addresses.list Read Only
compute.disks.get Read Only
compute.disks.list Read Only
compute.images.get Read Only
compute.images.list Read Only
compute.instances.get Read Only
compute.instances.list Read Only
compute.snapshots.get Read Only
compute.snapshots.list Read Only
compute.storagePools.get Read Only
compute.storagePools.list Read Only
compute.vpnGateways.get Read Only
compute.vpnGateways.list Read Only
compute.vpnTunnels.get Read Only
compute.vpnTunnels.list Read Only
resourcemanager.projects.get Read Only
resourcemanager.projects.list Read Only
storage.buckets.get Read Only
storage.buckets.list Read Only

Google Long Stopped VM Instances 4.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.instances.get Read Only
compute.instances.list Read Only
monitoring.metricDescriptors.list Read Only
monitoring.timeSeries.list Read Only
resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

compute.instances.delete Write
compute.instances.stop Write

Google Missing Projects 0.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

resourcemanager.projects.get Read Only

Google Object Storage Optimization 3.0.4

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

resourcemanager.projects.get Read Only

storage.buckets.list Read Only

storage.objects.list Read Only

Google Cloud Optional Permissions:

storage.objects.create Write

storage.objects.delete Write

Google Old Snapshots 5.2.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

billing.accounts.get Read Only

compute.disks.list Read Only

compute.regions.list Read Only

compute.snapshots.get Read Only

compute.snapshots.list Read Only

compute.zones.list Read Only

resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

compute.snapshots.delete Write

Google Open Buckets 3.2.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

resourcemanager.projects.get Read Only

storage.buckets.get Read Only

storage.buckets.getIamPolicy Read Only

storage.buckets.list Read Only

Google Overutilized VM Instances 0.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.instances.get Read Only

compute.instances.list Read Only

compute.machineTypes.list Read Only

monitoring.metricDescriptors.list Read Only

monitoring.timeSeries.list Read Only

resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

compute.instances.setMachineType Write

compute.instances.start Write

compute.instances.stop Write

Google Recommenders 3.1.0**Flexera Required Permissions:**

billing_center_viewer Read Only

Google Cloud Required Permissions:

resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

recommender.cloudSecurityGeneralRecommendations.list Read Only

recommender.cloudsqlIdleInstanceRecommendations.list Read Only

recommender.cloudsqlInstanceOutOfDiskRecommendations.list Read Only

recommender.cloudsqlOverprovisionedInstanceRecommendations.list Read Only

recommender.computeAddressIdleResourceRecommendations.list Read Only

recommender.computeDiskIdleResourceRecommendations.list Read Only

recommender.computeImageIdleResourceRecommendations.list Read Only

recommender.computeInstanceGroupManagerMachineTypeRecommendations.list Read Only

recommender.computeInstanceIdleResourceRecommendations.list Read Only

recommender.computeInstanceMachineTypeRecommendations.list Read Only

recommender.containerDiagnosisRecommendations.list Read Only

recommender.iamPolicyRecommendations.list Read Only

recommender.loggingProductSuggestionContainerRecommendations.list Read Only

recommender.monitoringProductSuggestionComputeRecommendations.list Read Only

recommender.resourcemanagerProjectUtilizationRecommendations.list Read Only

recommender.runServiceSecurityRecommendations.list Read Only

recommender.usageCommitmentRecommendations.list Read Only

Google Rightsize Cloud SQL Recommender 0.2.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

cloudsql.instances.list Read Only

recommender.cloudsqlIdleInstanceRecommendations.list Read Only

recommender.cloudsqlOverprovisionedInstanceRecommendations.list Read Only

resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

cloudsql.instances.delete Write

cloudsql.instances.update Write

Google Rightsize VM Recommender 3.2.0**Flexera Required Permissions:**

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.instances.get Read Only

compute.instances.list Read Only

monitoring.metricDescriptors.list Read Only

monitoring.timeSeries.list Read Only

resourcemanager.projects.get Read Only

Google Cloud Optional Permissions:

compute.instances.delete Write

compute.instances.setMachineType Write

compute.instances.start Write

compute.instances.stop Write

recommender.computeInstanceIdleResourceRecommendations.list Read Only

recommender.computeInstanceMachineTypeRecommendations.list Read Only

Google Rule-Based Dimension From Project Labels 2.0.0**Flexera Required Permissions:**

billing_center_viewer Read Only

observer Read Only

rule_based_dimensions_manager Read Only

Google Cloud Required Permissions:

resourcemanager.projects.get Read Only

Google Schedule Instance 6.0.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.instances.delete Write

compute.instances.get Read Only

compute.instances.list Read Only

compute.instances.setLabels Write

compute.instances.start Write

compute.instances.stop Write

compute.zones.list Read Only

resourcemanager.projects.get Read Only

Google Unlabeled Resources 3.2.0

Flexera Required Permissions:

billing_center_viewer Read Only

Google Cloud Required Permissions:

compute.disks.list Read Only

compute.externalVpnGateways.list Read Only

compute.images.list Read Only

compute.instances.list Read Only

compute.snapshots.list Read Only

compute.vpnGateways.list Read Only

resourcemanager.projects.get Read Only

storage.buckets.list Read Only

Google Cloud Optional Permissions:

compute.disks.setLabels Write

compute.externalVpnGateways.setLabels Write

compute.images.setLabels Write

compute.instances.setLabels Write

compute.snapshots.setLabels Write

compute.vpnGateways.setLabels Write

resourcemanager.projects.update Write

storage.buckets.update Write

Hidden Policy Templates 0.1.1

Flexera Required Permissions:

policy_designer Read Only

policy_manager Read Only

ITAM Asset Report 0.1.0

Flexera Required Permissions:

di_viewer Read Only

policy_viewer Read Only

ITAM Expiring Licenses 2.4.3

Flexera Required Permissions:

fnms_user Read Only

ITAM Ignored Recent Inventory Dates 2.4.2

Flexera Required Permissions:

fnms_user Read Only

ITAM Installed Application Report 0.1.0

Flexera Required Permissions:

di_viewer Read Only

policy_viewer Read Only

ITAM License Report 0.1.0

Flexera Required Permissions:

di_viewer Read Only

policy_viewer Read Only

ITAM Missing Active Machines 2.4.2

Flexera Required Permissions:

fnms_user Read Only

ITAM Overused Licenses 2.4.3

Flexera Required Permissions:

fnms_user Read Only

ITAM VMs Missing Host ID 2.4.2

Flexera Required Permissions:fnms_user Read Only**Kubecost Cluster Rightsizing Recommendation** 0.4.0**Flexera Required Permissions:**billing_center_viewer Read Only**Kubecost Container Request Rightsizing Recommendations** 0.4.2**Flexera Required Permissions:**billing_center_viewer Read Only**Kubernetes - Rightsizing Recommendations** 0.1.0**Flexera Required Permissions:**policy_viewer Read Only**Low Usage Report** 3.1.1**Flexera Required Permissions:**billing_center_viewer Read Only**Master Org Cost Policy** 2.0.2**Flexera Required Permissions:**billing_center_viewer Read Only**Master Org Cost Policy with Currency Conversion** 2.0.2**Flexera Required Permissions:**billing_center_viewer Read Only**New Usage** 3.0.3**Flexera Required Permissions:**billing_center_viewer Read Only**Office 365 Security Alerts** 3.0.1

Microsoft Graph Required Permissions:

SecurityEvents.Read.All Read Only

Flexera Required Permissions:

billing_center_viewer Read Only

Okta Inactive Users 3.0.1**Flexera Required Permissions:**

billing_center_viewer Read Only

Okta Required Permissions:

READ_ONLY_ADMIN Read Only

Orgs and Clouds Vendor Accounts 2.0.1**Flexera Required Permissions:**

enterprise_manager Read Only

Policy Template Synchronization 3.0.1**Flexera Required Permissions:**

policy_designer Read Only

policy_manager Read Only

Rule-Based Dimension From Custom Tags 0.1.0**Flexera Required Permissions:**

billing_center_viewer Read Only

observer Read Only

rule_based_dimensions_manager Read Only

SaaS Manager - Deactivated Users 3.1.2**Flexera Required Permissions:**

SaaS Manager: Viewer Read Only

SaaS Manager - Deactivated Users for Integrated Applications 3.1.2**Flexera Required Permissions:**

SaaS Manager: Viewer Read Only

SaaS Manager - Duplicate User Accounts 3.1.2

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

SaaS Manager - Redundant Apps 3.1.2

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

SaaS Manager - Renewal Reminder 3.2.2

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

SaaS Manager - SaaS App User Report by Category 3.0.1

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

SaaS Manager - Suspicious Users 3.1.2

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

SaaS Manager - Unsanctioned Applications with Existing Contract 3.2.2

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

SaaS Manager - Unsanctioned Spend 3.1.2

Flexera Required Permissions:

SaaS Manager: Viewer [Read Only](#)

Schedule ITAM Report 0.2.0

Flexera Required Permissions:

fnms_user [Read Only](#)

Scheduled Report 4.0.0

Flexera Required Permissions:

billing_center_viewer Read Only

Scheduled Report for Unallocated Costs 0.3.1

Flexera Required Permissions:

billing_center_viewer Read Only

Scheduled Report with Markups and Markdowns 2.0.0

Flexera Required Permissions:

billing_center_viewer Read Only

ServiceNow Inactive Approvers 3.0.1

Flexera Required Permissions:

billing_center_viewer Read Only

ServiceNow Required Permissions:

user_admin Read Only

Spot Ocean - Common Bill Ingest 0.1.0

Flexera Required Permissions:

billing_center_viewer Read Only

csm_bill_upload_admin Read Only

Spot Security - Compliance Report 0.1.0

Flexera Required Permissions:

policy_viewer Read Only

Vendor Spend Commitment Forecast 4.0.2

Flexera Required Permissions:

billing_center_viewer Read Only
