

```

{
  "AWSTemplateFormatVersion": "2010-09-09",
  "Description": "This template creates necessary resources to grant access to Cloud Conformity",
  "Parameters": {
    "AccountId": {
      "Type": "String",
      "Description": "Cloud Conformity AWS Account ID"
    },
    "ExternalId": {
      "Type": "String",
      "Description": "The primary function of the External ID is to address and prevent the 'confused deputy' problem"
    }
  },
  "Resources": {
    "CloudConformityCustomPolicyPart1": {
      "Type": "AWS::IAM::ManagedPolicy",
      "Properties": {
        "ManagedPolicyName": "CloudConformityPart1",
        "Description": "Cloud Conformity Custom Policy Part 1",
        "PolicyDocument": {
          "Version": "2012-10-17",
          "Statement": [
            {
              "Effect": "Allow",
              "Action": [
                "acm:DescribeCertificate",
                "acm:ListCertificates",
                "acm:ListTagsForCertificate",
                "apigateway:GET",
                "autoscaling:DescribeAccountLimits",

```

"autoscaling:DescribeAutoScalingGroups",  
"autoscaling:DescribeAutoScalingInstances",  
"autoscaling:DescribeLaunchConfigurations",  
"autoscaling:DescribeLoadBalancerTargetGroups",  
"autoscaling:DescribeLoadBalancers",  
"autoscaling:DescribeNotificationConfigurations",  
"autoscaling:DescribeTags",  
"cloudformation:DescribeAccountLimits",  
"cloudformation:DescribeStackDriftDetectionStatus",  
"cloudformation:DescribeStacks",  
"cloudformation:DetectStackDrift",  
"cloudformation:GetStackPolicy",  
"cloudformation:ListStacks",  
"cloudfront:GetDistribution",  
"cloudfront:ListDistributions",  
"cloudfront:ListTagsForResource",  
"cloudtrail:DescribeTrails",  
"cloudtrail:GetTrailStatus",  
"cloudtrail:GetEventSelectors",  
"cloudtrail:ListTags",  
"cloudwatch:DescribeAlarms",  
"cloudwatch:DescribeAlarmsForMetric",  
"cloudwatch:GetMetricStatistics",  
"cloudwatch:ListMetrics",  
"config:DescribeComplianceByConfigRule",  
"config:DescribeConfigRules",  
"config:DescribeConfigurationRecorderStatus",  
"config:DescribeConfigurationRecorders",  
"config:DescribeDeliveryChannelStatus",  
"config:DescribeDeliveryChannels",  
"config:GetComplianceDetailsByConfigRule",

"config:GetResourceConfigHistory",  
"config:SelectResourceConfig",  
"dynamodb:DescribeContinuousBackups",  
"dynamodb:DescribeLimits",  
"dynamodb:DescribeTable",  
"dynamodb:ListBackups",  
"dynamodb:ListTables",  
"dynamodb:ListTagsOfResource",  
"ec2:DescribeAccountAttributes",  
"ec2:DescribeAddresses",  
"ec2:DescribeEgressOnlyInternetGateways",  
"ec2:DescribeFlowLogs",  
"ec2:DescribeImages",  
"ec2:DescribeInstanceAttribute",  
"ec2:DescribeInstanceStatus",  
"ec2:DescribeInstances",  
"ec2:DescribeInternetGateways",  
"ec2:DescribeKeyPairs",  
"ec2:DescribeNatGateways",  
"ec2:DescribeNetworkAcls",  
"ec2:DescribeNetworkInterfaces",  
"ec2:DescribeReservedInstances",  
"ec2:DescribeRouteTables",  
"ec2:DescribeSecurityGroupReferences",  
"ec2:DescribeSecurityGroups",  
"ec2:DescribeSnapshots",  
"ec2:DescribeSnapshotAttribute",  
"ec2:DescribeSubnets",  
"ec2:DescribeTags",  
"ec2:DescribeVolumes",  
"ec2:DescribeVpcAttribute",

"ec2:DescribeVpcEndpoints",  
"ec2:DescribeVpcPeeringConnections",  
"ec2:DescribeVpcs",  
"ec2:DescribeVpnConnections",  
"ec2:DescribeVpnGateways",  
"ec2:GetEbsEncryptionByDefault",  
"elasticfilesystem:DescribeFileSystems",  
"elasticfilesystem:DescribeTags",  
"elasticmapreduce:DescribeCluster",  
"elasticmapreduce:ListClusters",  
"elasticmapreduce:ListInstances",  
"es:DescribeElasticsearchDomain",  
"es:DescribeElasticsearchDomainConfig",  
"es:DescribeElasticsearchDomains",  
"es:DescribeElasticsearchInstanceTypeLimits",  
"es:DescribeReservedElasticsearchInstanceOfferings",  
"es:DescribeReservedElasticsearchInstances",  
"es:ListDomainNames",  
"es:ListElasticsearchInstanceTypes",  
"es:ListElasticsearchVersions",  
"es:ListTags",  
"elasticache:DescribeCacheClusters",  
"elasticache:DescribeReplicationGroups",  
"elasticache:DescribeReservedCacheNodes",  
"elasticache:ListTagsForResource",  
"elasticloadbalancing:DescribeListeners",  
"elasticloadbalancing:DescribeLoadBalancerAttributes",  
"elasticloadbalancing:DescribeLoadBalancerPolicies",  
"elasticloadbalancing:DescribeLoadBalancers",  
"elasticloadbalancing:DescribeTags",  
"elasticloadbalancing:DescribeTargetGroups",

"elasticloadbalancing:DescribeTargetHealth",  
"elasticloadbalancing:DescribeRules",  
"iam:GenerateCredentialReport",  
"iam:GetAccessKeyLastUsed",  
"iam:GetAccountAuthorizationDetails",  
"iam:GetAccountPasswordPolicy",  
"iam:GetAccountSummary",  
"iam:GetCredentialReport",  
"iam:GetGroup",  
"iam:GetGroupPolicy",  
"iam:GetLoginProfile",  
"iam:GetOpenIDConnectProvider",  
"iam:GetPolicy",  
"iam:GetPolicyVersion",  
"iam:GetRole",  
"iam:GetRolePolicy",  
"iam:GetSAMLProvider",  
"iam:GetServerCertificate",  
"iam:GetUser",  
"iam:GetUserPolicy",  
"iam:ListAccessKeys",  
"iam:ListAccountAliases",  
"iam:ListAttachedGroupPolicies",  
"iam:ListAttachedRolePolicies",  
"iam:ListAttachedUserPolicies",  
"iam:ListEntitiesForPolicy",  
"iam:ListGroupPolicies",  
"iam:ListGroups",  
"iam:ListInstanceProfiles",  
"iam:ListInstanceProfilesForRole",  
"iam:ListMFADevices",

"iam:ListOpenIDConnectProviders",  
"iam:ListPolicies",  
"iam:ListPolicyTags",  
"iam:ListPolicyVersions",  
"iam:ListRolePolicies",  
"iam:ListRoleTags",  
"iam:ListRoles",  
"iam:ListSAMLProviders",  
"iam:ListSSHPublicKeys",  
"iam:ListServerCertificates",  
"iam:ListUserPolicies",  
"iam:ListUserTags",  
"iam:ListUsers",  
"iam:ListVirtualMFADevices",  
"kms:DescribeKey",  
"kms:GetKeyPolicy",  
"kms:GetKeyRotationStatus",  
"kms:ListAliases",  
"kms:ListGrants",  
"kms:ListKeyPolicies",  
"kms:ListKeys",  
"kms:ListResourceTags",  
"lambda:GetAccountSettings",  
"lambda:GetFunctionConfiguration",  
"lambda:GetPolicy",  
"lambda:ListEventSourceMappings",  
"lambda:ListFunctions",  
"lambda:ListTags",  
"lambda:ListFunctionUrlConfigs",  
"lambda:ListLayers",  
"logs:DescribeLogGroups",

"logs:DescribeMetricFilters",  
"rds:DescribeAccountAttributes",  
"rds:DescribeDBClusters",  
"rds:DescribeDBInstances",  
"rds:DescribeDBSecurityGroups",  
"rds:DescribeDBSnapshotAttributes",  
"rds:DescribeDBSnapshots",  
"rds:DescribeDBParameters",  
"rds:DescribeDBParameterGroups",  
"rds:DescribeEvents",  
"rds:DescribeEventSubscriptions",  
"rds:DescribeReservedDBInstances",  
"rds:ListTagsForResource",  
"redshift:DescribeClusterParameterGroups",  
"redshift:DescribeClusterParameters",  
"redshift:DescribeClusters",  
"redshift:DescribeLoggingStatus",  
"redshift:DescribeReservedNodes",  
"redshift:DescribeTags",  
"route53:GetDNSSEC",  
"route53:GetGeoLocation",  
"route53:ListHostedZones",  
"route53:ListResourceRecordSets",  
"route53:ListTagsForResource",  
"route53domains:ListDomains",  
"route53domains:ListTagsForDomain",  
"ses:GetIdentityDkimAttributes",  
"ses:GetIdentityPolicies",  
"ses:GetIdentityVerificationAttributes",  
"ses:ListIdentities",  
"ses:ListIdentityPolicies",





"access-analyzer:ListFindings",  
"application-autoscaling:DescribeScalableTargets",  
"application-autoscaling:DescribeScalingActivities",  
"application-autoscaling:DescribeScalingPolicies",  
"application-autoscaling:DescribeScheduledActions",  
"athena:GetQueryExecution",  
"athena:ListQueryExecutions",  
"athena:ListTagsForResource",  
"backup:DescribeBackupVault",  
"backup:ListBackupVaults",  
"backup:ListRecoveryPointsByResource",  
"backup:GetBackupVaultAccessPolicy",  
"ce:GetAnomalies",  
"ce:GetAnomalyMonitors",  
"cloudwatch:GetMetricData",  
"dax:DescribeClusters",  
"dax:ListTags",  
"dms:DescribeReplicationInstances",  
"dms:ListTagsForResource",  
"ds:DescribeDirectories",  
"ds:ListTagsForResource",  
"ec2:DescribeTransitGatewayPeeringAttachments",  
"ec2:SearchTransitGatewayRoutes",  
"ec2:DescribeTransitGatewayRouteTables",  
"ec2:DescribeTransitGateways",  
"ec2:DescribeTransitGatewayAttachments",  
"elasticbeanstalk:DescribeConfigurationSettings",  
"elasticbeanstalk:DescribeEnvironments",  
"ecr:DescribeRepositories",  
"ecr:GetRepositoryPolicy",  
"ecr:GetLifecyclePolicy",

"ecr:DescribeImages",  
"eks:DescribeCluster",  
"eks:ListClusters",  
"events:DescribeEventBus",  
"events:ListRules",  
"firehose:DescribeDeliveryStream",  
"firehose:ListDeliveryStreams",  
"firehose:ListTagsForDeliveryStream",  
"kafka:DescribeCluster",  
"kafka:ListClusters",  
"kafka:ListNodes",  
"mq:DescribeBroker",  
"mq:ListBrokers",  
"glue:GetDataCatalogEncryptionSettings",  
"glue:GetSecurityConfiguration",  
"glue:GetSecurityConfigurations",  
"glue:GetDatabases",  
"guardduty:GetDetector",  
"guardduty:GetFindings",  
"guardduty:ListDetectors",  
"guardduty:ListFindings",  
"health:DescribeAffectedEntities",  
"health:DescribeEventDetails",  
"health:DescribeEvents",  
"inspector:DescribeAssessmentRuns",  
"inspector:DescribeAssessmentTargets",  
"inspector:DescribeAssessmentTemplates",  
"inspector:DescribeExclusions",  
"inspector:DescribeFindings",  
"inspector:DescribeResourceGroups",  
"inspector:ListAssessmentRuns",

"inspector:ListAssessmentTargets",  
"inspector:ListAssessmentTemplates",  
"inspector:ListExclusions",  
"inspector:ListFindings",  
"inspector:PreviewAgents",  
"kinesis:ListStreams",  
"kinesis:DescribeStream",  
"kinesis:ListTagsForStream",  
"macie2:GetClassificationExportConfiguration",  
"macie2:GetFindingStatistics",  
"macie2:ListClassificationJobs",  
"organizations:DescribeAccount",  
"organizations:DescribeCreateAccountStatus",  
"organizations:DescribeHandshake",  
"organizations:DescribeOrganization",  
"organizations:DescribeOrganizationalUnit",  
"organizations:DescribePolicy",  
"organizations:ListAWSServiceAccessForOrganization",  
"organizations:ListAccounts",  
"organizations:ListAccountsForParent",  
"organizations:ListChildren",  
"organizations:ListCreateAccountStatus",  
"organizations:ListHandshakesForAccount",  
"organizations:ListHandshakesForOrganization",  
"organizations:ListOrganizationalUnitsForParent",  
"organizations:ListParents",  
"organizations:ListPolicies",  
"organizations:ListPoliciesForTarget",  
"organizations:ListRoots",  
"organizations:ListTargetsForPolicy",  
"rds:DescribeDBClusterParameters",

"rds:DescribeDBClusterParameterGroups",  
"route53domains:GetDomainDetail",  
"s3:GetAccelerateConfiguration",  
"s3:GetAccountPublicAccessBlock",  
"s3:GetBucketAcl",  
"s3:GetBucketLocation",  
"s3:GetBucketLogging",  
"s3:GetBucketObjectLockConfiguration",  
"s3:GetBucketPolicy",  
"s3:GetBucketPolicyStatus",  
"s3:GetBucketPublicAccessBlock",  
"s3:GetBucketTagging",  
"s3:GetBucketVersioning",  
"s3:GetBucketWebsite",  
"s3:GetEncryptionConfiguration",  
"s3:GetLifecycleConfiguration",  
"s3:ListBucket",  
"s3:ListAllMyBuckets",  
"securityhub:DescribeHub",  
"securityhub:GetEnabledStandards",  
"securityhub:GetFindings",  
"securityhub:GetInsightResults",  
"securityhub:GetInsights",  
"securityhub:GetMasterAccount",  
"securityhub:GetMembers",  
"securityhub:ListEnabledProductsForImport",  
"securityhub:ListInvitations",  
"securityhub:ListMembers",  
"servicequotas:ListServiceQuotas",  
"sagemaker:DescribeNotebookInstance",  
"sagemaker:ListNotebookInstances",

"sagemaker:ListTags",  
"secretsmanager:DescribeSecret",  
"secretsmanager:ListSecrets",  
"shield:DescribeSubscription",  
"ssm:DescribeParameters",  
"ssm:DescribeSessions",  
"ssm:DescribeInstanceInformation",  
"storagegateway:DescribeNFSFileShares",  
"storagegateway:DescribeSMBFileShares",  
"storagegateway:DescribeTapes",  
"storagegateway:ListFileShares",  
"storagegateway:ListTagsForResource",  
"storagegateway:ListTapes",  
"transfer:DescribeServer",  
"transfer:ListServers",  
"xray:GetEncryptionConfig",  
"waf:GetWebACL",  
"waf:ListWebACLs",  
"wafv2:ListWebACLs",  
"workspaces:DescribeTags",  
"workspaces:DescribeWorkspaces",  
"workspaces:DescribeWorkspacesConnectionStatus",  
"support:DescribeSeverityLevels",  
"support:DescribeTrustedAdvisorChecks",  
"support:DescribeTrustedAdvisorCheckResult",  
"support:DescribeTrustedAdvisorCheckRefreshStatuses",  
"support:RefreshTrustedAdvisorCheck",  
"comprehend:ListKeyPhrasesDetectionJobs",  
"comprehend:ListSentimentDetectionJobs",  
"comprehend:ListTopicsDetectionJobs",  
"comprehend:ListEntitiesDetectionJobs",

```

    "comprehend:ListDocumentClassificationJobs",
    "comprehend:ListDominantLanguageDetectionJobs",
    "wellarchitected:ListWorkloads",
    "wellarchitected:GetWorkload",
    "ecs:DescribeTaskDefinition",
    "ecs:ListTaskDefinitions",
    "compute-optimizer:GetAutoScalingGroupRecommendations",
    "compute-optimizer:GetEC2InstanceRecommendations",
    "ecs:ListClusters",
    "ecs:ListServices",
    "ecs:DescribeServices",
    "ecs:ListContainerInstances",
    "ecs:DescribeContainerInstances",
    "ecs:DescribeClusters",
    "ecs:ListTagsForResource",
    "appflow:DescribeFlow",
    "appflow:ListFlows"
  ],
  "Resource": [
    "*"
  ]
},
{
  "Effect": "Allow",
  "Action": [
    "s3:Get*",
    "s3:List*"
  ],
  "Resource": "arn:aws:s3:::elasticbeanstalk*"
}
]

```

```

    }
  }
},
"CloudConformityRole": {
  "Type": "AWS::IAM::Role",
  "Properties": {
    "RoleName": "CloudConformity",
    "AssumeRolePolicyDocument": {
      "Version": "2012-10-17",
      "Statement": [
        {
          "Effect": "Allow",
          "Principal": {
            "AWS": {
              "Fn::Join": [
                "",
                [
                  "arn:aws:iam::",
                  {
                    "Ref": "AccountId"
                  },
                  ":root"
                ]
              ]
            }
          },
          "Action": "sts:AssumeRole",
          "Condition": {
            "StringEquals": {
              "sts:ExternalId": {
                "Ref": "ExternalId"
              }
            }
          }
        }
      ]
    }
  }
}

```

```
    }
  }
}
}
]
},
"ManagedPolicyArns": [
  {
    "Ref": "CloudConformityCustomPolicyPart1"
  },
  {
    "Ref": "CloudConformityCustomPolicyPart2"
  }
]
}
}
},
"Outputs": {
  "CloudConformityRoleArn": {
    "Value": {
      "Fn::GetAtt": [
        "CloudConformityRole",
        "Arn"
      ]
    }
  },
  "Version": {
    "Value": "1.48"
  }
}
}
```