



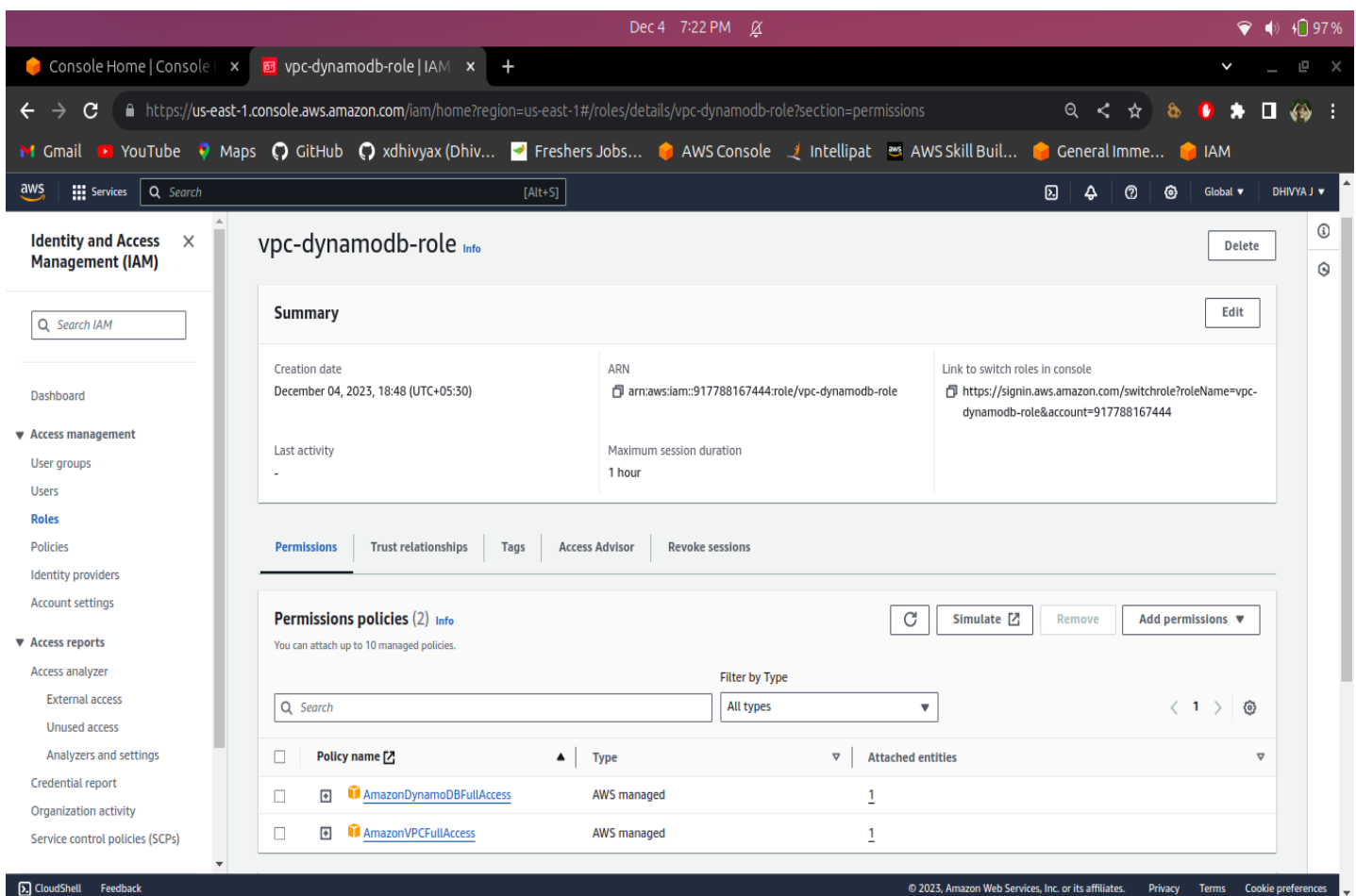
Module 3: IAM Roles Assignment

Problem Statement:

You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users.

Tasks To Be Performed:

1. Create a role which only lets user1 and user2 from task 1 to have complete access to VPCs and DynamoDB.
2. Login into user1 and shift to the role to test out the feature.



The screenshot displays the AWS IAM console interface for the 'vpc-dynamodb-role'. The left sidebar shows the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Roles, Policies, and Access reports. The main content area shows the role's summary, including its creation date (December 04, 2023, 18:48 UTC+05:30), ARN (arn:aws:iam::917788167444:role/vpc-dynamodb-role), and maximum session duration (1 hour). Below the summary, the 'Permissions policies' section shows two attached policies: 'AmazonDynamoDBFullAccess' and 'AmazonVPCFullAccess', both of which are AWS managed and have one attached entity.

| Policy name | Type | Attached entities |
|--------------------------|-------------|-------------------|
| AmazonDynamoDBFullAccess | AWS managed | 1 |
| AmazonVPCFullAccess | AWS managed | 1 |

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Console Home | Console | vpc-dynamodb-role | IAM | Dev-Team | IAM | Global | Download file | iLovePDF

https://us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/Dev-Team?section=users

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Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

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Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

External access

Unused access

Analyzers and settings

Credential report

Organization activity

Service control policies (SCPs)

IAM > User groups > Dev-Team

Dev-Team

Delete

Summary

Edit

User group name
Dev-Team

Creation time
December 04, 2023, 14:03 (UTC+05:30)

ARN
arn:aws:iam::917788167444:group/Dev-Team

Users (2) | Permissions | Access Advisor

Users in this group (2)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

< 1 >

| | User name | Groups | Last activity | Creation time |
|--------------------------|----------------------|--------|----------------|---------------|
| <input type="checkbox"/> | Dev1 | 2 | 32 minutes ago | 6 hours ago |
| <input type="checkbox"/> | Dev2 | 1 | None | 6 hours ago |

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Console Home | Console

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IAM > User groups > Dev-Team

Dev-Team

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Dev-Team

Creation time

December 04, 2023, 14:03 (UTC+05:30)

ARN

arn:aws:iam::917788167444:group/Dev-Team

Users (2)

Permissions

Access Advisor

Permissions policies (1)

Info

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Simulate

Remove

Add permissions

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Filter by Type

All types

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Policy name

▲

Type

▼

Attached entities

▼

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AssumeRolePolicy

Customer managed

1

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https://ap-southeast-2.signin.aws.amazon.com/oauth?client_id=arn%3Aaws%3Asignin%3A%3A%3Aconsole%2Fcanvas&code_challenge=Y_yCyNbe7imspQsL... ☆ Incognito

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Sign in as IAM user

Account ID (12 digits) or account alias

IAM user name

Password

☐ Remember this account

Sign in


[Sign in using root user email](#)

[Forgot password?](#)

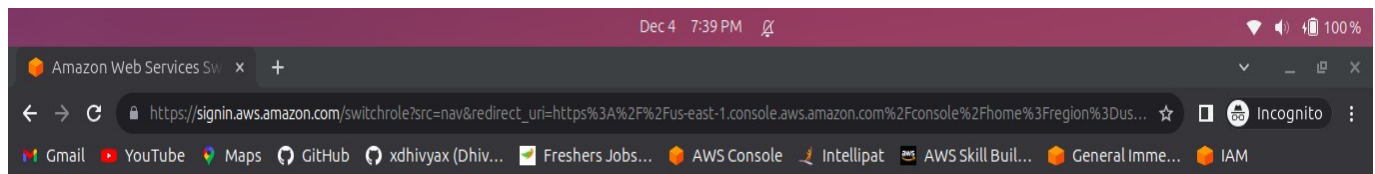
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English



Switch Role

Allows management of resources across Amazon Web Services accounts using a single user ID and password. You can switch roles after an Amazon Web Services administrator has configured a role and given you the account and role details. [Learn more.](#)

Account* ⓘ

Role* ⓘ

Display Name ⓘ

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*Required

[Cancel](#)

[Switch Role](#)

English ▼

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List tables | Amazon Dyn

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vpc-dynamodb-role @ 917788167444

DynamoDB

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Dashboard

Tables

Update settings

Explore Items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations New

Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

DynamoDB > Tables

Tables (1) Info

🔄

Actions ▼

Delete

Create table

🔍 Find tables by table name

Any tag key ▼

Any tag value ▼

< 1 >

⚙️

| <input type="checkbox"/> | Name ▲ | Status | Partition key | Sort key | Indexes | Deletion protection | Read capacity mode | Write capacity mo... | |
|--------------------------|----------------------------|-----------|---------------|----------|---------|---------------------|--------------------|----------------------|--|
| <input type="checkbox"/> | demo-table | ✔️ Active | Artist (S) | - | 0 | ⊖ Off | Provisioned (5) | Provisioned (5) | |

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vpcs | VPC Console

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N. Virginia vpc-dynamodb-role @ 917788167444

VPC dashboard
EC2 Global View
Filter by VPC:
Select a VPC

Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only Internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections

Security
CloudShell Feedback

Your VPCs (1/2) Info

Search

| Name | VPC ID | State | IPv4 CIDR | IPv6 CIDR | DHCP |
|--------------|-----------------------|-----------|---------------|-----------|-------|
| - | vpc-0e1d54cef9823402c | Available | 172.31.0.0/16 | - | dopt- |
| demo-vpc-vpc | vpc-07b83d13930031adc | Available | 10.0.0.0/16 | - | dopt- |

vpc-07b83d13930031adc / demo-vpc-vpc

Details Resource map New CIDRs Flow logs Tags Integrations

Details

| | | | |
|---|--|--------------------------|---------------------------------------|
| VPC ID vpc-07b83d13930031adc | State Available | DNS hostnames Enabled | DNS resolution Enabled |
| Tenancy Default | DHCP option set dopt-0af99f1ec27bc197e | Main route table - | Main network ACL - |
| Default VPC No | IPv4 CIDR 10.0.0.0/16 | IPv6 pool - | IPv6 CIDR (Network border group) - |
| Network Address Usage metrics Disabled | Route 53 Resolver DNS Firewall rule groups | Owner ID 917788167444 | |

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N. Virginia vpc-dynamodb-role @ 917788167444

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Security
Network ACLs
Security groups

Your VPCs (1/2)

demo-vpc-vpc

vpc-07b83d13930031adc / demo-vpc-vp

Details Resource map New CIDR

Details

VPC ID
vpc-07b83d13930031adc

Tenancy
Default

Default VPC
No

Network Address Usage metrics
Disabled

Delete VPC

Will be deleted

This VPC will be deleted permanently and cannot be recovered later:

Name demo-vpc-vpc VPC ID vpc-07b83d13930031adc State Available

Will also be deleted

The following 8 resources will also be deleted permanently and cannot be recovered later:

Find entries

| Name | Resource ID | State |
|------------------------------------|---------------------------|-----------|
| demo-vpc-igw | igw-08429404a3f245444 | Available |
| demo-vpc-rtb-private1-us-east-1a | rtb-04e097803e4cde125 | - |
| demo-vpc-rtb-private2-us-east-1b | rtb-033c3f13b7e811016 | - |
| demo-vpc-rtb-public | rtb-0b960041db2528e83 | - |
| demo-vpc-subnet-public2-us-east-1b | subnet-0c0db28f781057c854 | Available |

To confirm deletion, type delete in the field:

delete

Cancel Delete

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NAT gateways

Your VPCs Info

Search

demo-vpc-vpc X Clear filters

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| | Name | VPC ID | State | IPv4 CIDR | IPv6 CIDR |
|----------------------------|------|--------|-------|-----------|-----------|
| No matching resource found | | | | | |

vpc-07b83d13930031adc / demo-vpc-vpc

Details Resource map New CIDRs Flow logs Tags Integrations

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