AWS Hands On Part 02

(USE AWS CLI)

Create 6 IAM Users:

1. Alice 2. Bob 3. Charles

4. David 5. Edward 6. Fred

Ans.

root@DESKTOP-1RT156R:~# aws iam create-user --user-name Alice

{

"User": {

"Path": "/",

"UserName": "Alice",

"UserId": "AIDARSWTRM2O3SP3FE7TP",

"Arn": "arn:aws:iam::108891563677:user/Alice",

"CreateDate": "2024-01-16T11:15:59Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-user --user-name Bob

{

"User": {

"Path": "/",

"UserName": "Bob",

"UserId": "AIDARSWTRM2OW6FRYHEXU",

"Arn": "arn:aws:iam::108891563677:user/Bob",

"CreateDate": "2024-01-16T11:16:13Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-user --user-name Charles

{

"User": {

"Path": "/",

"UserName": "Charles",

"UserId": "AIDARSWTRM2O2SAFUBOCZ",

"Arn": "arn:aws:iam::108891563677:user/Charles",

"CreateDate": "2024-01-16T11:16:20Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-user --user-name David

{

"User": {

"Path": "/",

"UserName": "David",

"UserId": "AIDARSWTRM2OYZCMSIISC",

"Arn": "arn:aws:iam::108891563677:user/David",

"CreateDate": "2024-01-16T11:16:27Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-user --user-name Edward

{

"User": {

"Path": "/",

"UserName": "Edward",

"UserId": "AIDARSWTRM2O5CKVIJJ7Q",

"Arn": "arn:aws:iam::108891563677:user/Edward",

"CreateDate": "2024-01-16T11:16:35Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-user --user-name Fred

{

"User": {

"Path": "/",

"UserName": "Fred",

"UserId": "AIDARSWTRM2OZIJWZUUOG",

"Arn": "arn:aws:iam::108891563677:user/Fred",

"CreateDate": "2024-01-16T11:16:41Z"

}

}

Create 3 groups:

1. Developers 2. Operations 3. Audit-Team

Ans.

root@DESKTOP-1RT156R:~# aws iam create-group --group-name Developers

{

"Group": {

"Path": "/",

"GroupName": "Developers",

"GroupId": "AGPARSWTRM2OZSJF23HVD",

"Arn": "arn:aws:iam::108891563677:group/Developers",

"CreateDate": "2024-01-16T11:17:02Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-group --group-name Operations

{

"Group": {

"Path": "/",

"GroupName": "Operations",

"GroupId": "AGPARSWTRM2OYIBEAYTDU",

"Arn": "arn:aws:iam::108891563677:group/Operations",

"CreateDate": "2024-01-16T11:17:14Z"

}

}

root@DESKTOP-1RT156R:~# aws iam create-group --group-name Audit-team

{

"Group": {

"Path": "/",

"GroupName": "Audit-team",

"GroupId": "AGPARSWTRM2OTZNMIQQ4E",

"Arn": "arn:aws:iam::108891563677:group/Audit-team",

"CreateDate": "2024-01-16T11:17:24Z"

}

}

Assign the "IAMReadOnlyAccess" policy to the Developers group.

Assign the "IAMReadOnlyAccess" policy to the Operations group.

Assign the "IAMFullAccess" policy to the Audit-Team group.

Ans.

root@DESKTOP-1RT156R:~# aws iam attach-group-policy --group-name Developers --policy-arn arn:aws:iam::aws:policy/IAMReadOnlyAccess

root@DESKTOP-1RT156R:~# aws iam list-attached-group-policies --group-name Developers

{

"AttachedPolicies": [

{

"PolicyName": "IAMReadOnlyAccess",

"PolicyArn": "arn:aws:iam::aws:policy/IAMReadOnlyAccess"

}

]

}

root@DESKTOP-1RT156R:~# aws iam attach-group-policy --group-name Operations --policy-arn arn:aws:iam::aws:policy/IAMReadOnlyAccess

root@DESKTOP-1RT156R:~# aws iam list-attached-group-policies --group-name Operations

{

"AttachedPolicies": [

{

"PolicyName": "IAMReadOnlyAccess",

"PolicyArn": "arn:aws:iam::aws:policy/IAMReadOnlyAccess"

}

]

}

root@DESKTOP-1RT156R:~# aws iam attach-group-policy --group-name Audit-team --policy-arn arn:aws:iam::aws:policy/IAMFullAccess

root@DESKTOP-1RT156R:~# aws iam list-attached-group-policies --group-name Audit-team

{

"AttachedPolicies": [

{

"PolicyName": "IAMFullAccess",

"PolicyArn": "arn:aws:iam::aws:policy/IAMFullAccess"

}

]

}

Add Alice, Bob, and Charles to the Developers group.

Add David and Edward to the Operations group.

Add Charles and David to the Audit-Team group.

Assign an inline policy to Fred.

Ans.

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Developers --user-name Alice

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name Alice

{

"Groups": [

{

"Path": "/",

"GroupName": "Developers",

"GroupId": "AGPARSWTRM2OZSJF23HVD",

"Arn": "arn:aws:iam::108891563677:group/Developers",

"CreateDate": "2024-01-16T11:17:02Z"

}

]

}

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Developers --user-name Bob

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name Bob

{

"Groups": [

{

"Path": "/",

"GroupName": "Developers",

"GroupId": "AGPARSWTRM2OZSJF23HVD",

"Arn": "arn:aws:iam::108891563677:group/Developers",

"CreateDate": "2024-01-16T11:17:02Z"

}

]

}

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Developers --user-name Charles

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name Charles

{

"Groups": [

{

"Path": "/",

"GroupName": "Developers",

"GroupId": "AGPARSWTRM2OZSJF23HVD",

"Arn": "arn:aws:iam::108891563677:group/Developers",

"CreateDate": "2024-01-16T11:17:02Z"

}

]

}

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Operations --user-name David

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name David

{

"Groups": [

{

"Path": "/",

"GroupName": "Operations",

"GroupId": "AGPARSWTRM2OYIBEAYTDU",

"Arn": "arn:aws:iam::108891563677:group/Operations",

"CreateDate": "2024-01-16T11:17:14Z"

}

]

}

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Operations --user-name Edward

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name Edward

{

"Groups": [

{

"Path": "/",

"GroupName": "Operations",

"GroupId": "AGPARSWTRM2OYIBEAYTDU",

"Arn": "arn:aws:iam::108891563677:group/Operations",

"CreateDate": "2024-01-16T11:17:14Z"

}

]

}

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Audit-team --user-name Charles

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name Charles

{

"Groups": [

{

"Path": "/",

"GroupName": "Audit-team",

"GroupId": "AGPARSWTRM2OTZNMIQQ4E",

"Arn": "arn:aws:iam::108891563677:group/Audit-team",

"CreateDate": "2024-01-16T11:17:24Z"

},

{

"Path": "/",

"GroupName": "Developers",

"GroupId": "AGPARSWTRM2OZSJF23HVD",

"Arn": "arn:aws:iam::108891563677:group/Developers",

"CreateDate": "2024-01-16T11:17:02Z"

}

]

}

root@DESKTOP-1RT156R:~# aws iam add-user-to-group --group-name Audit-team --user-name David

root@DESKTOP-1RT156R:~# aws iam list-groups-for-user --user-name David

{

"Groups": [

{

"Path": "/",

"GroupName": "Audit-team",

"GroupId": "AGPARSWTRM2OTZNMIQQ4E",

"Arn": "arn:aws:iam::108891563677:group/Audit-team",

"CreateDate": "2024-01-16T11:17:24Z"

},

{

"Path": "/",

"GroupName": "Operations",

"GroupId": "AGPARSWTRM2OYIBEAYTDU",

"Arn": "arn:aws:iam::108891563677:group/Operations",

"CreateDate": "2024-01-16T11:17:14Z"

}

]

}

root@DESKTOP-1RT156R:~# # aws iam put-user-policy --user-name Fred --policy-name MyInlinePolicy --policy-document file:///root/mypolicy.json

root@DESKTOP-1RT156R:~# aws iam list-attached-user-policies --user-name Fred

{

"AttachedPolicies": []

}

Log into the AWS account as an IAM user,

and list IAM user actions in terminal

Ans.

root@DESKTOP-1RT156R:~# aws configure

AWS Access Key ID [\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BW6K]: AKIARSWTRM2OREQUHJBH

AWS Secret Access Key [\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*YAiN]: 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

Default region name [ap-south-1]:

Default output format [json]:

root@DESKTOP-1RT156R:~# aws iam list-users

{

"Users": [

{

"Path": "/",

"UserName": "Alice",

"UserId": "AIDARSWTRM2O3SP3FE7TP",

"Arn": "arn:aws:iam::108891563677:user/Alice",

"CreateDate": "2024-01-16T11:15:59Z"

},

{

"Path": "/",

"UserName": "Bob",

"UserId": "AIDARSWTRM2OW6FRYHEXU",

"Arn": "arn:aws:iam::108891563677:user/Bob",

"CreateDate": "2024-01-16T11:16:13Z"

},

{

"Path": "/",

"UserName": "Charles",

"UserId": "AIDARSWTRM2O2SAFUBOCZ",

"Arn": "arn:aws:iam::108891563677:user/Charles",

"CreateDate": "2024-01-16T11:16:20Z"

},

{

"Path": "/",

"UserName": "David",

"UserId": "AIDARSWTRM2OYZCMSIISC",

"Arn": "arn:aws:iam::108891563677:user/David",

"CreateDate": "2024-01-16T11:16:27Z"

},

{

"Path": "/",

"UserName": "Edward",

"UserId": "AIDARSWTRM2O5CKVIJJ7Q",

"Arn": "arn:aws:iam::108891563677:user/Edward",

"CreateDate": "2024-01-16T11:16:35Z"

},

{

"Path": "/",

"UserName": "Fred",

"UserId": "AIDARSWTRM2OZIJWZUUOG",

"Arn": "arn:aws:iam::108891563677:user/Fred",

"CreateDate": "2024-01-16T11:16:41Z"

}

]

}