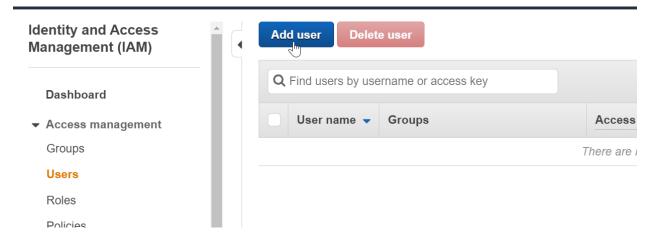
Identity Access Management (IAM) Lab

**Recommended – Add Multi factor authentication to your account before starting **

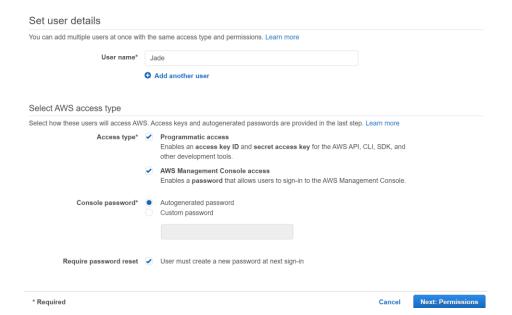
Step 1: Creating User Accounts

1.) Go to the IAM Dashboard

2.) Click: Users3.) Click: Add user

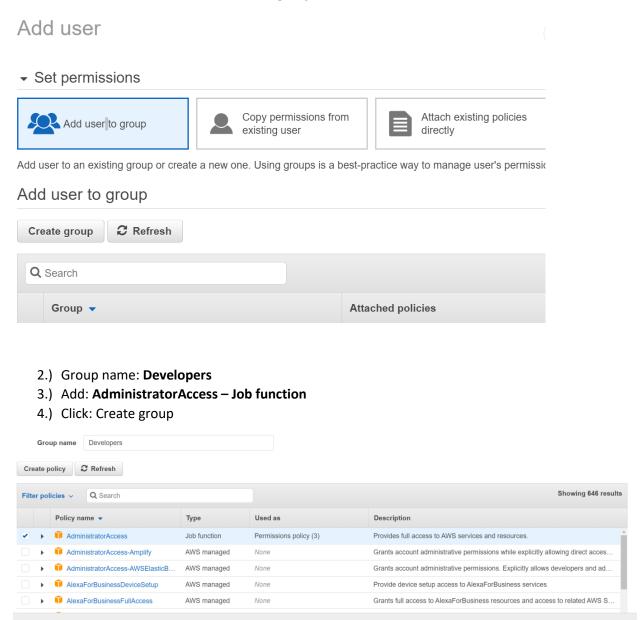


- 4.) User name: Jade (or any name you want)
- 5.) Check: Programmatic access
- 6.) Check: AWS Management Console access
- 7.) Console password: Autogenerated Password
- 8.) Required password reset: User must create a new password at next sign-in



Step 2: Creating groups

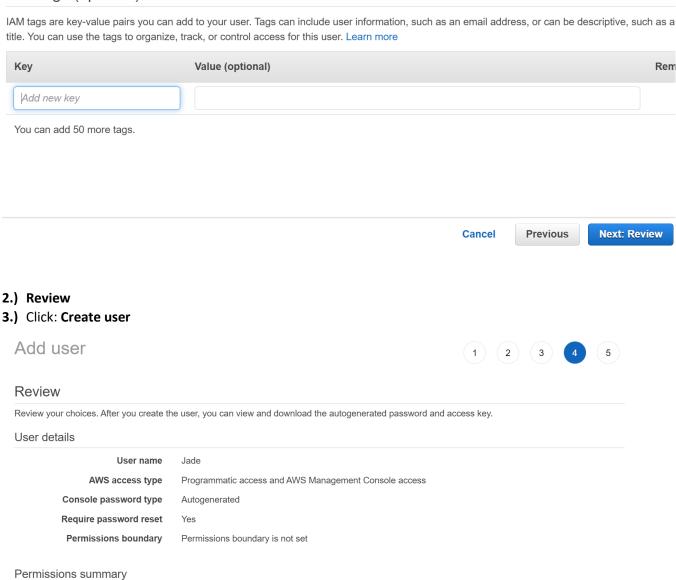
1.) In the add user section click: Create group



Step 3: Creating user account (Cont.)

1.) Add Tags: Do not add

Add tags (optional)



Create user

Cancel

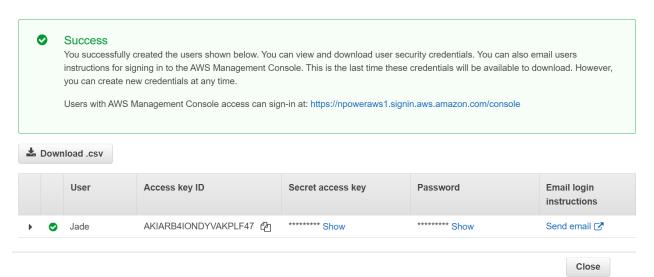
Previous

*WARNING - Never allow anyone access to use/see your Access key ID and Secret Access key ID *

Step 4: Programmatic and Secret access keys

1.) Click: Download .csv

- a. Downloading the .csv file saves the below information in a spreadsheet
- b. Click the Show button to show the Secret access key and password.
- c. Access key id username to programatically access the aws console
- d. secret access key programatically access the AWS infrastructure)
- e. Send e-mail sends the users the information to log into the console.



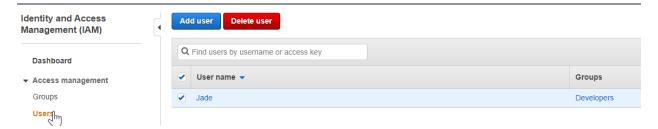
2.) Open the CSV file and you should see your users information.

	Ţ [*] B	C		D	Į l	E
ser name	Password	Access key ID	Secret access key	/	Console login link	
ide	9kX{F8'f5}8X+6E	AKIARB4IONDYVAKPLF47	PhsCcrLMFDt18jl	NA8zLrAf4FSD2EZoUv0R4gWg4	https://npoweraws1.signin.	aws.amazon.com/consol
3)	Click: Close	ρ				
٠.,	Circit. Cios	_				
≛ Do	wnload .csv					
≛ Do	wnload .csv					
♣ Do	wnload .csv User	Access kev ID		Secret access key	Password	Email login
≛ Do		Access key ID		Secret access key	Password	Email login
≛ Do		Access key ID		Secret access key	Password	Email login instructions
≛ Do		Access key ID AKIARB4IONDYV	/AKPLF47 <i>6</i> 9	Secret access key	Password ******** Show	

Close

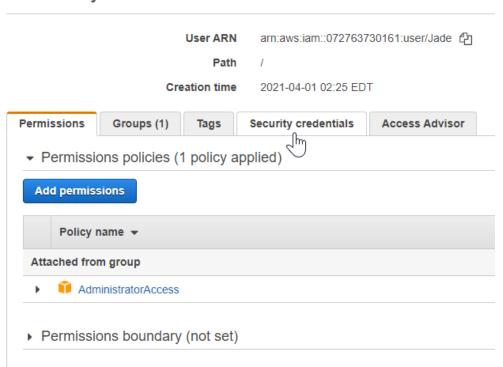
Step 5: If the user information is lost

In IAM: Click users
 Click: the user (Jade)

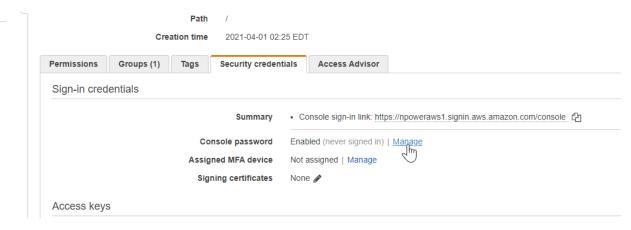


3.) Click: Security Credentials tab

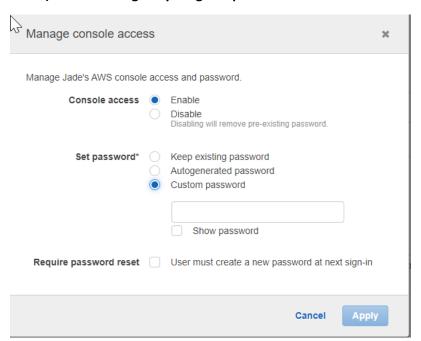
Summary



4.) Console password: Manage

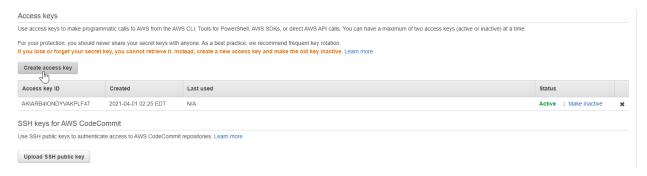


- 5.) You can change the users set password or console access
- 6.) Do not change anything and press cancel



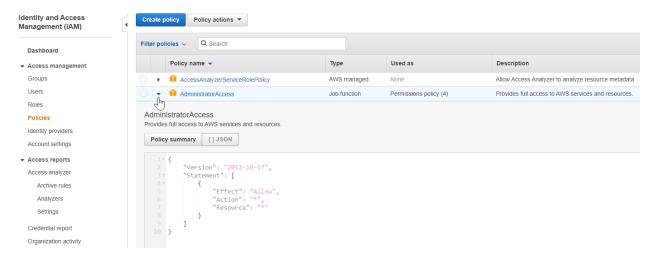
7.) Access keys

- a. Anyone that has the access key and secret access key Id, could use your aws account
- b. You can choose to make an access key inactive as well
- c. Change nothing



Step 6: Understanding JSON

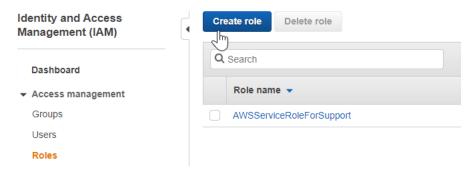
- 1.) From IAM Dashboard: Click Policies
- 2.) Click: AdministratorAccess arrow
 - a. Look at the javascript object notation (JSON)
 - b. Policies are written in JSON
 - c. Effects: allow
 - Action *
 - Resource *,
 - *(Star) is a wildcard allowing anything to do to do anything with any resources in aws.



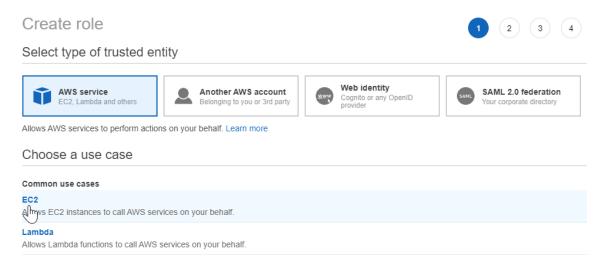
Step 7: Creating Roles

1.) From IAM Dashboard Click: Roles

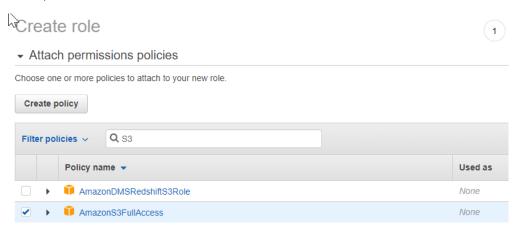
2.) Click: Create role



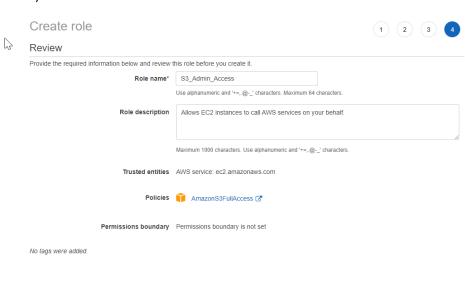
3.) Click: EC2



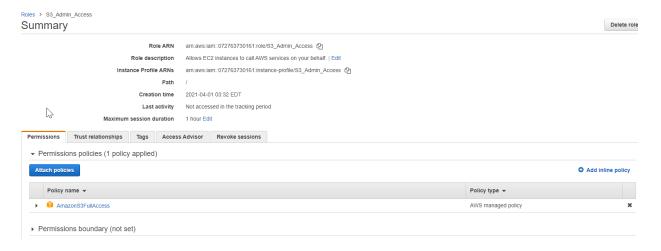
4.) Click: AmazonS3FullAccess



- 5.) Tags: Leave Empty
- 6.) Review Role name: S3_Admin_Access
- 7.) Click: Create Role



8.) Now our EC2 has full access to S3 resources.



Congratulations on completing the LAB!!