

GLIM 2.4



AWS AMI Installation Guide

The official release build of GLIM is: **2.4.1309**

Date **5th Dec 2023**

How to get access to the Linux AMI for provisioning in AWS EC2.

Glim is now available on Linux for customers that wish to use GLIM on AWS EC2 compute. Running on Linux gives considerable cost savings to customers, reducing compute costs by up to 40%.

If you require access to the GLIM 2.4 AMI, please get in touch with your Telestream account manager and we will provide you access to the AMI. We will need to know your AWS Account Number and in which region you wish to run the Ec2 instance.

Note: The GLIM AMI has been configured to run on Port 80, instead of the default port 5000 in the windows installer. This can be changed if required.

Suggested Compute Platforms

The type of compute required is dependent on many factors, including Source type and encode settings used in GLIM. Users need to be mindful of the compute performance required and the network performance requirement to transit media from Storage to the EC2 Compute Instance.

It is highly recommended that the compute is provisioned as close to the content as possible, so we suggest provisioning the EC2 compute in the same AWS Data Centre to where the media resides.

GLIM 2.4 Provisioning a GLIM AMI

Please see below the recommended instance types.

NO. OF GLIM SESSION	INSTANCE TYPE	VCPUS	MEMORY (GIB)	NETWORK PERFORMANCE	ON-DEMAND LINUX PRICING	ON-DEMAND WINDOWS PRICING
1-2 SESSIONS	c6i.2xlarge	8	16	Up to 12.5 Gigabit	0.404 USD per Hour	0.772 USD per Hour
5 SESSION (LOW BITRATE SOURCE)	c6i.4xlarge	16	32	Up to 12.5 Gigabit	0.808 USD per Hour	1.544 USD per Hour
5 SESSION (HIGH BITRATE SOURCE)	c6i.8xlarge	32	64	12.5 Gigabit	1.616 USD per Hour	3.088 USD per Hour

All prices are based on AWS on-demand pricing as of 21st Sept 2022

Please note that GPU acceleration in Linux is not currently supported

Getting Access to the Glim 2.4 AMI.

To get access to the GLIM Linux AMI for AWS Ec2, please contact Telestream support and provide the following information: -

Company Name	
Contact Name	
Contact Email	
Contact Phone Number	
GLIM license ID	
Target AWS Account Number	
Target AWS Region	

Once Telestream has this information we will share the GLIM AMI as a Private image to your AWS Account.

The Name of the AMI will be "Glim_2.4_1319_Linux_Release"

Provisioning a GLIM EC2 Instance from the Shared AMI

Once you have received the AMI into your account you will need to create an EC2 instance from the AMI. To do this, please login to your account on the AWS console and Navigate to EC2.

1. Select AMI's
2. Navigate to Private Images
3. Search for the GLIM AMI, this can be done via name or the AMI ID that will be sent to you by the engineer sharing the AMI with you. The AMI Name will be "GLIM- 2.4.1309 Linux-Release"

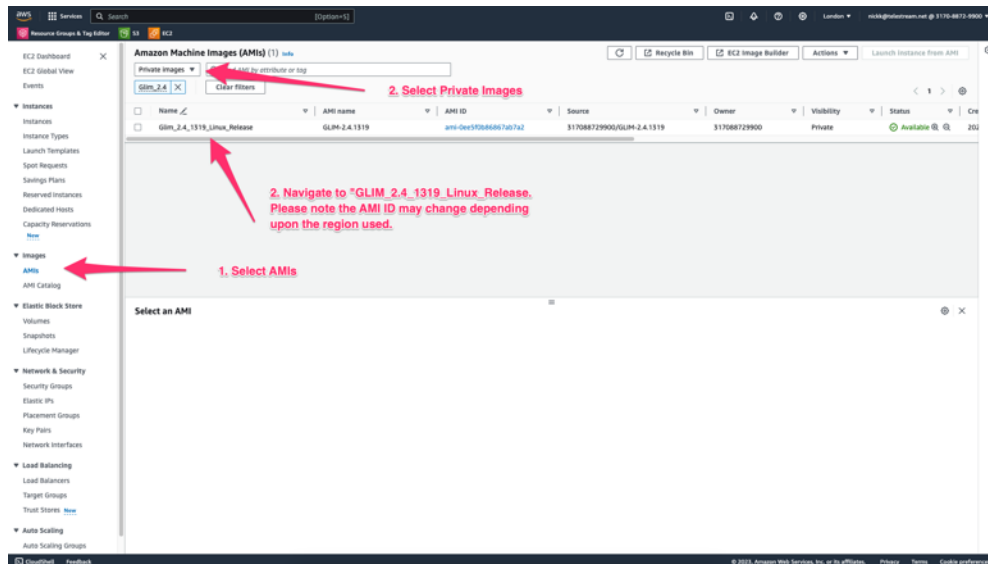


Fig 1 AWS Console window for EC2

4. Once you have found the shared AMI, right click on the AMI and choose Launch.

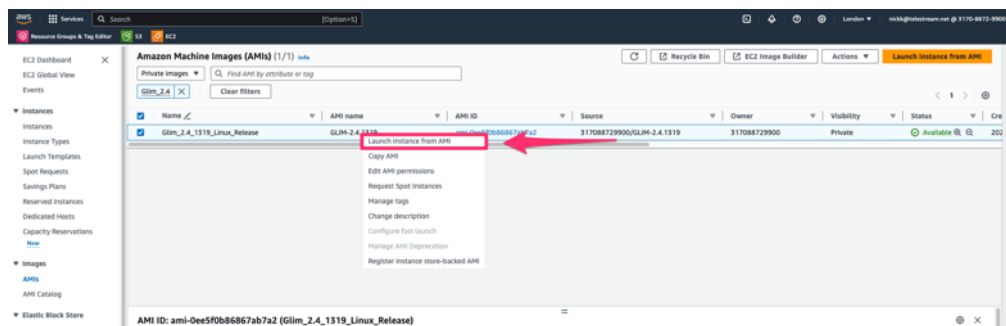


Fig 2 AWS Console window for AMI – Launching and EC2 instance from an AMI

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5. The following dialogue box will appear.
 - a. Name the AMI
 - b. Choose the instance type (see table for recommended instance types on page 1)
 - c. Create a Key pair and save the .pem in a safe place as this may be used if you need to access the Linux AMI via SSH. Please see details in Fig 4

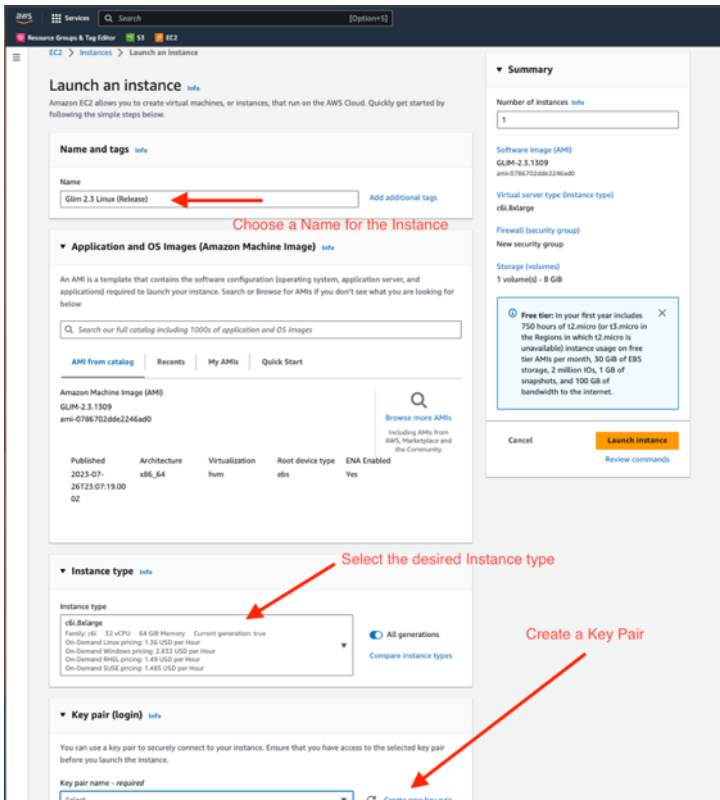


Fig 3 AWS Console window for EC2 – Launch instance window

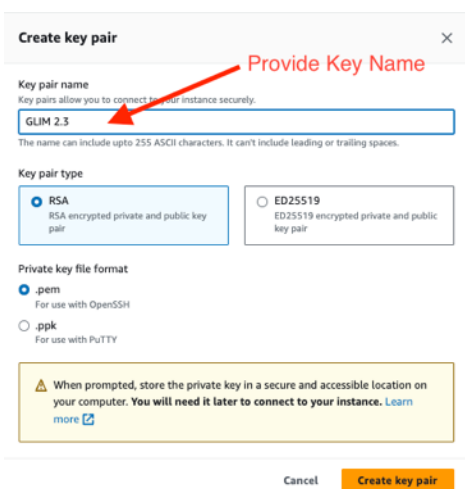


Fig 4 AWS Console window for EC2 – Creating a Key pair.

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- Please navigate further down the Launch an instance Window and find “Networking”. You need to enable access to the instance via http (Port 80) and https (port 443)

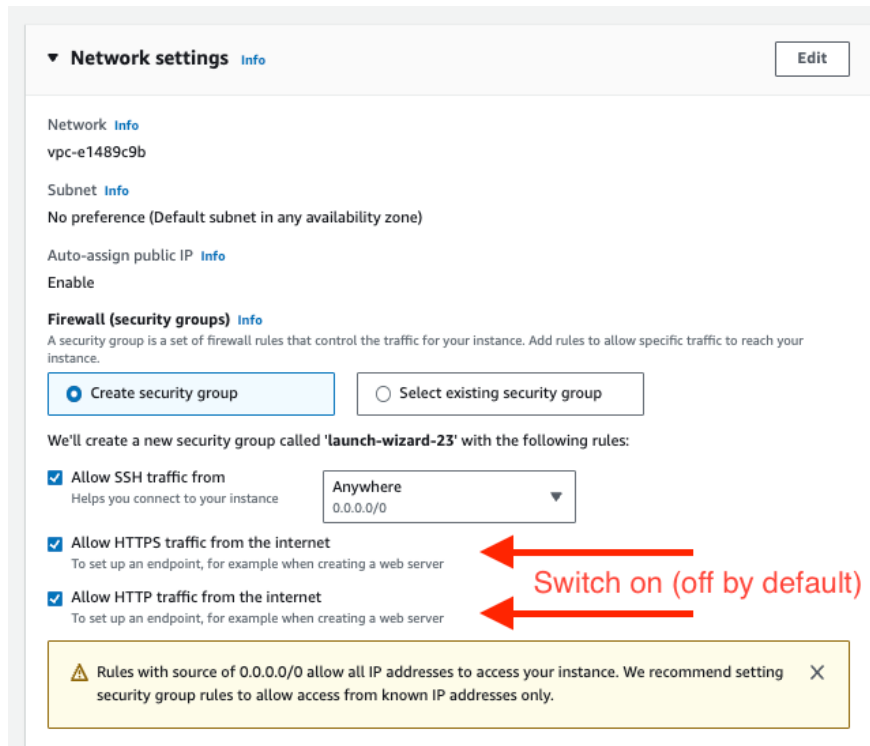


Fig 5 AWS Console window for EC2 – Network Settings

- Select Launch Instance. Launch Instance
- A window will now appear giving you the Launched instance ID.
- Select the instance ID and this? will Navigate the Provisioned EC2 Instance
 - You will notice it is in initializing state (this will be in this state for a few mins) and will then go to “running”
 - Navigate to the Networking section and copy the IP or DNS name of the instance. (in the example below 35.87.196.104)

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Fig 6 AWS Console window for EC2 – Instance Status and Network / IP details

1. Go to your Chrome web browser and Navigate to the GLIM page using the IP address found in the AWS Console
2. The default user name and password are as follows
 - a. User = admin
 - b. Password = admin

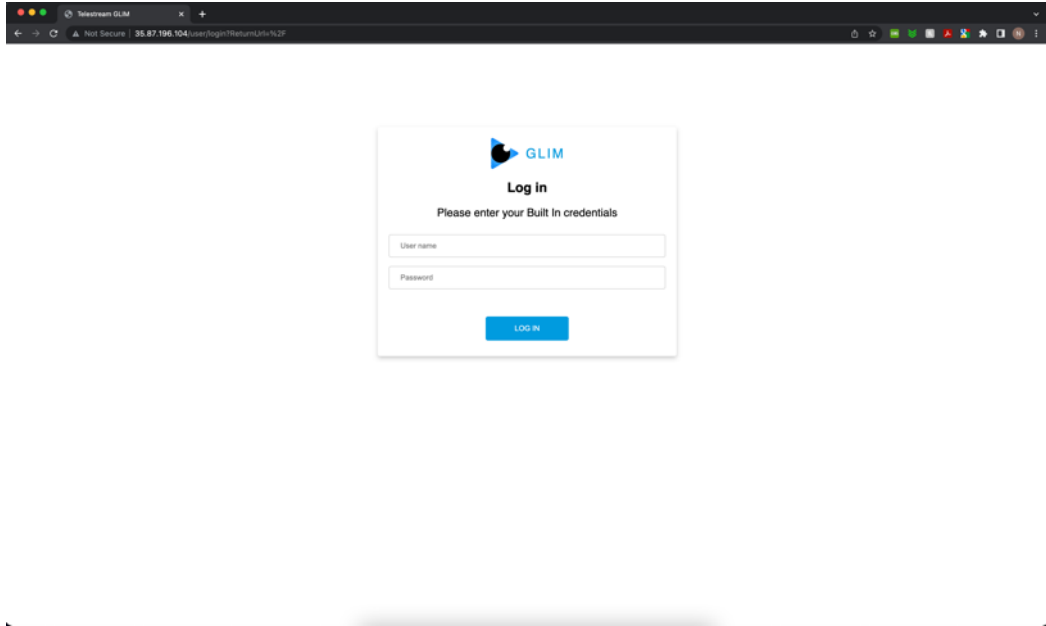
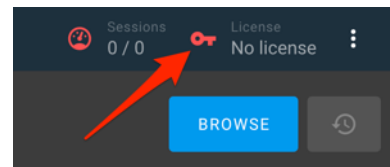


Fig 7 GLIM Login page

Note: Please change the default password in the GLIM settings to suit your IT policies needs

3. Once logged into GLIM you will need to license the instance. Please Navigate to the top right of the screen and select the red Key
 - a. Enter you licence ID and activate.



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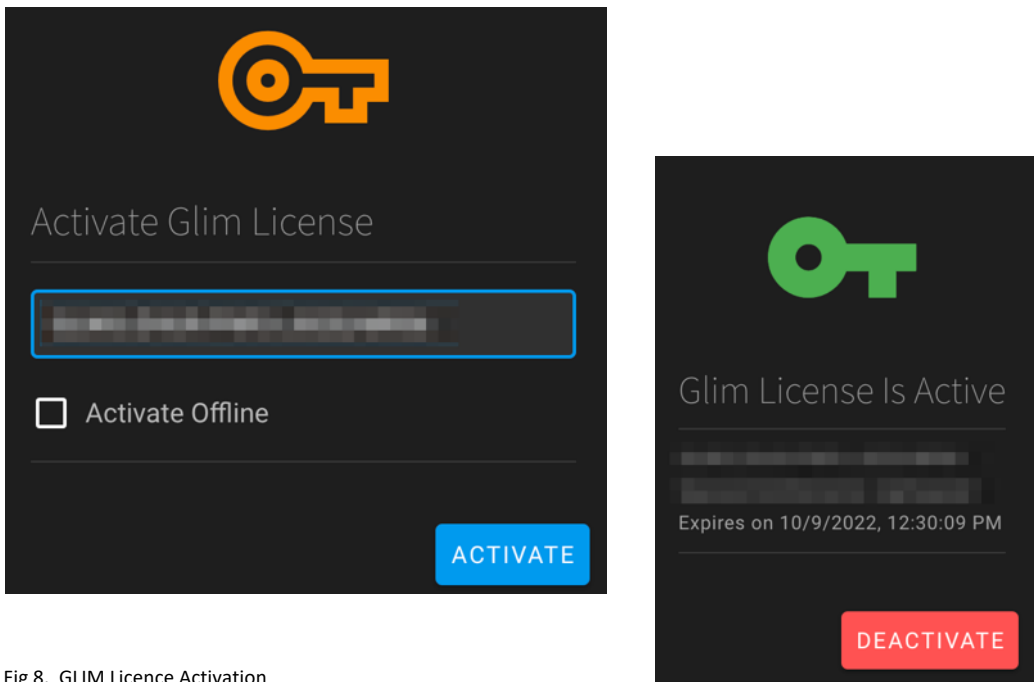


Fig 8. GLIM Licence Activation

Access your S3 Storage Bucket.

Now that you have setup GLIM and AWS EC2, you will need to get access to your S3 Storage Bucket. It is recommended that you reference your storage in the same datacentre as where you provisioned the Ec2 instance. By doing this you are optimizing network performance and reducing egress costs. To Access your S3 bucket, please do the following.

1. Go to setting in GLIM (accessible from the 3 dots at the top right of the page)

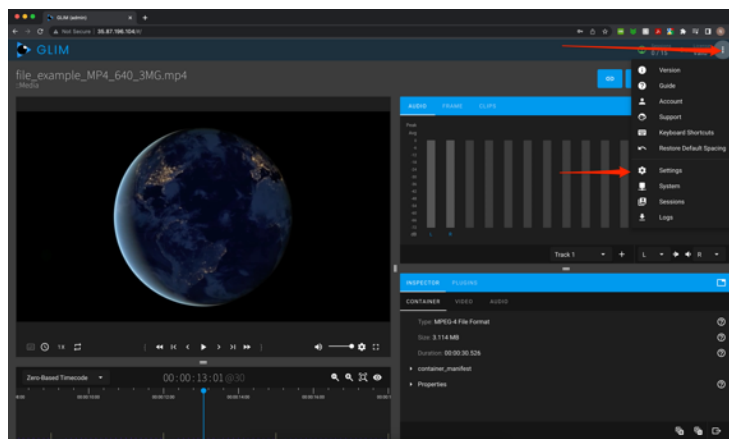


Fig 9. GLIM Access to settings

2. Enter Setting and Navigate to "Location Aliases"
 - a. Add Location Alias
 - b. Create a New Location Alias.

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- c. When creating a S3 Location Alias you will need to access to the Access Key and Secret Key which can be created in “Security Credentials” in the AWS Console.
- d. Select Test connection, to make sure all settings are correct
- e. Select Add Location
- f. You are ready to go.

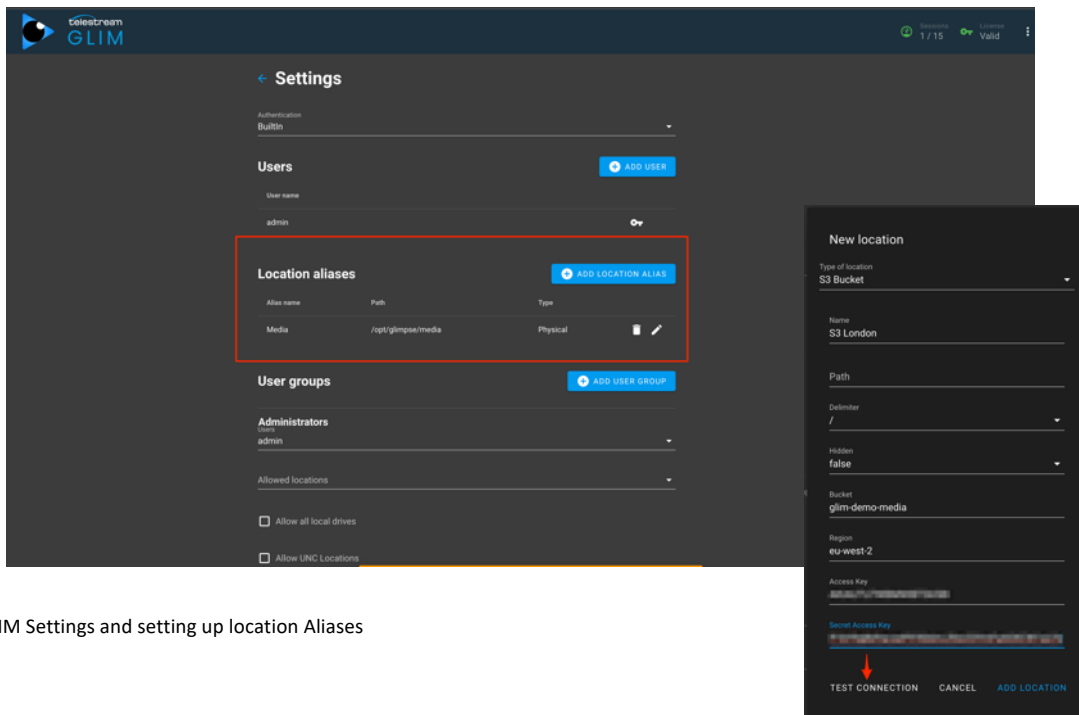


Fig 8. GLIM Settings and setting up location Aliases

How to Create Access Keys for your S3 Storage.

Glim connects to AWS S3 via its API and need Security credentials to get access. To get the Access Key and Security Keys you need to setup your Access key in “Identity and Access Management (IAM)”

1. The easiest way to create a new Access key is to go to the AWS Console, select the arrow next to your user credentials and Select Security Credentials

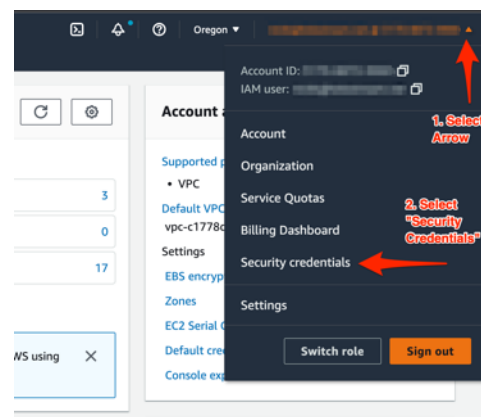


Fig 11. AWS Security Credentials

2. This takes you to the AWS IAM where you can create an Access Key. AWS allow up to 2 Access Keys per account. If an account already has access keys setup, please contact your AWS Administrator for Access. If you need to generate a new Access Key, then select the “Create Access Key” button as shown below.

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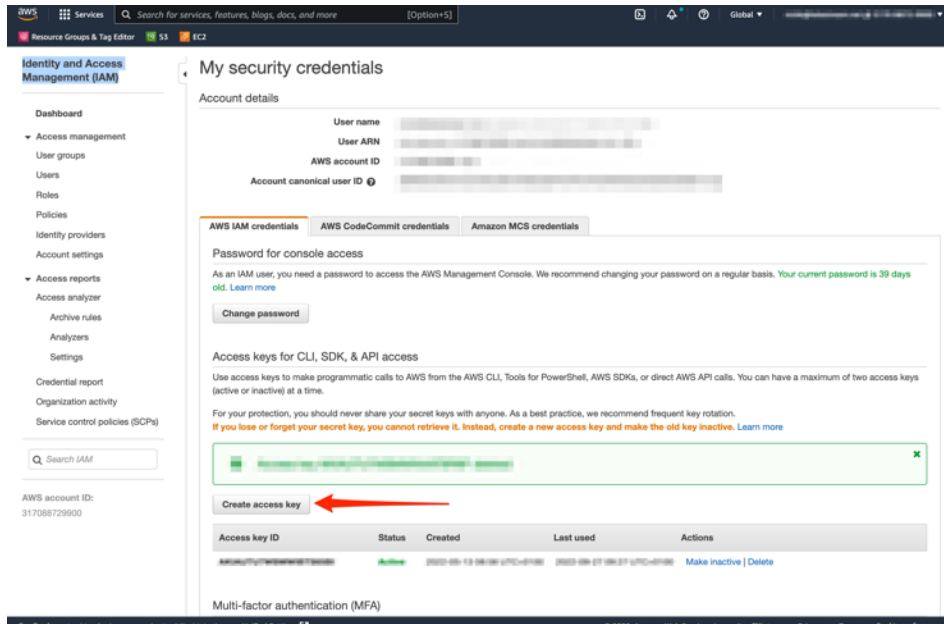


Fig 12. AWS Console, Creating Access Keys

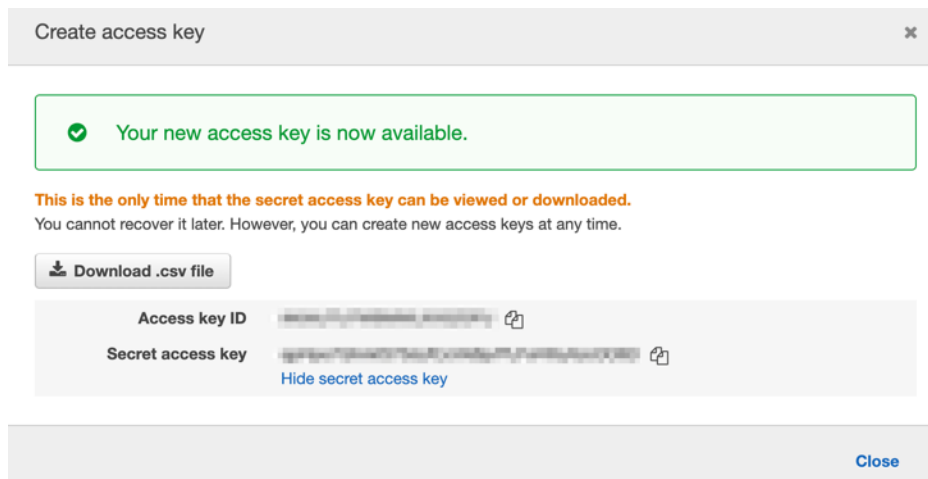


Fig 13. AWS Console, Creating Access Keys

3. The Access Keys are then created and can be used to populate the GLIM Location Alias. It is highly recommended that you download the .csv using the button above, so you have a record of your Access key.

A note on AWS expenses

Please note that once Telestream share the GLIM AMI to a User's account, all incurred costs for EC2 Instances and any associated Egress costs are the responsibility of the customer.