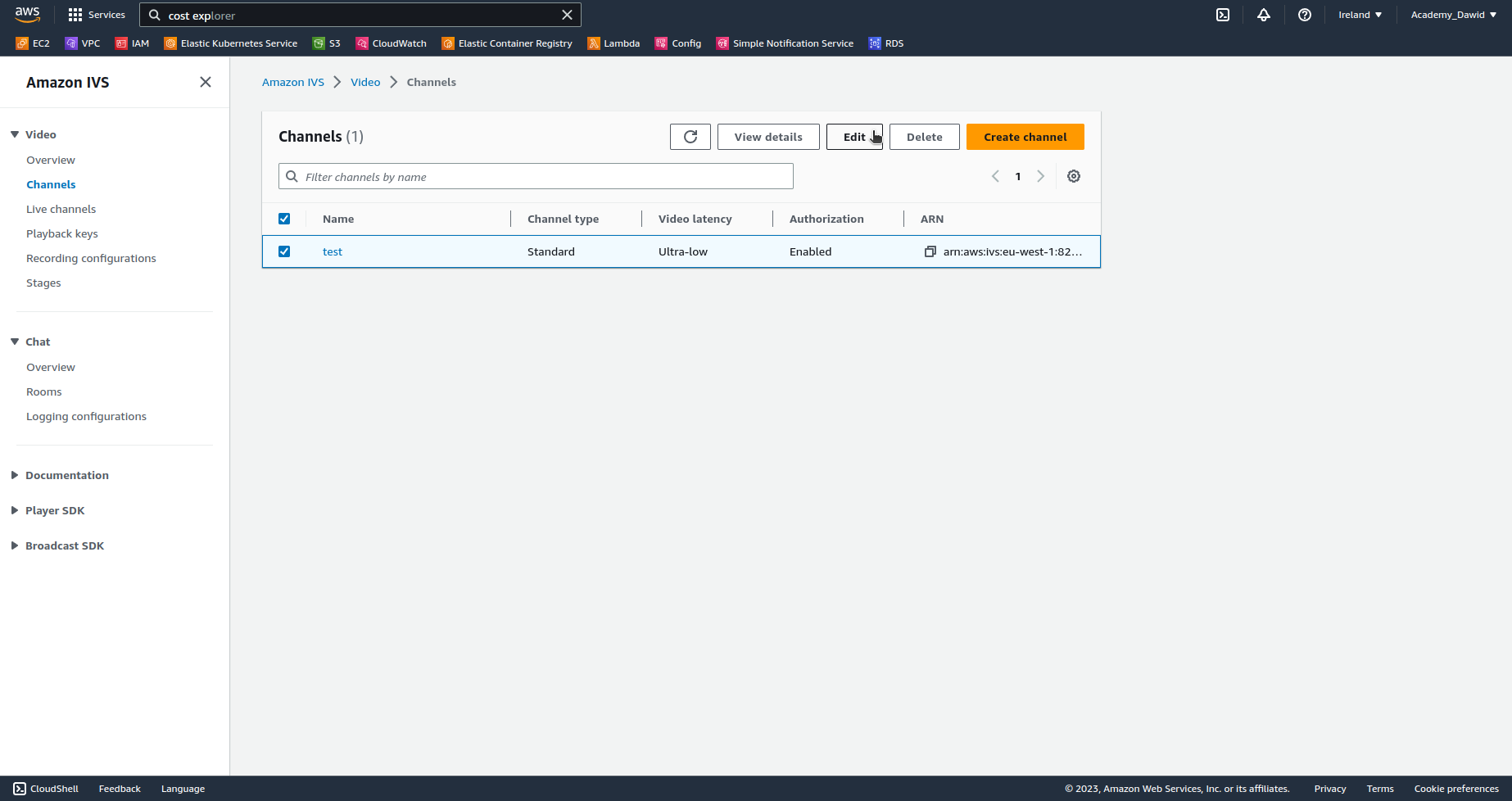
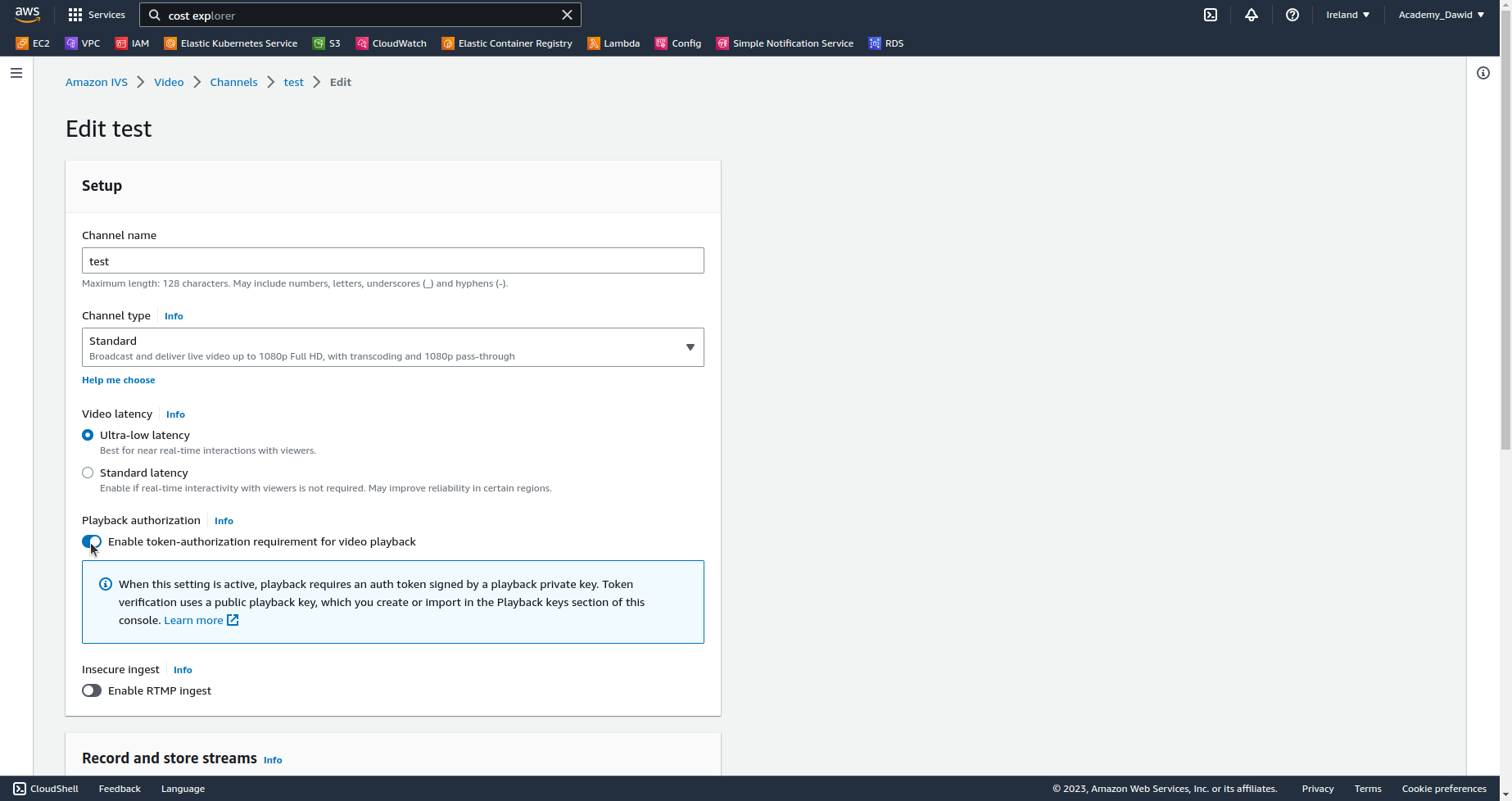
**How to set up Private Channel on AWS IVS**

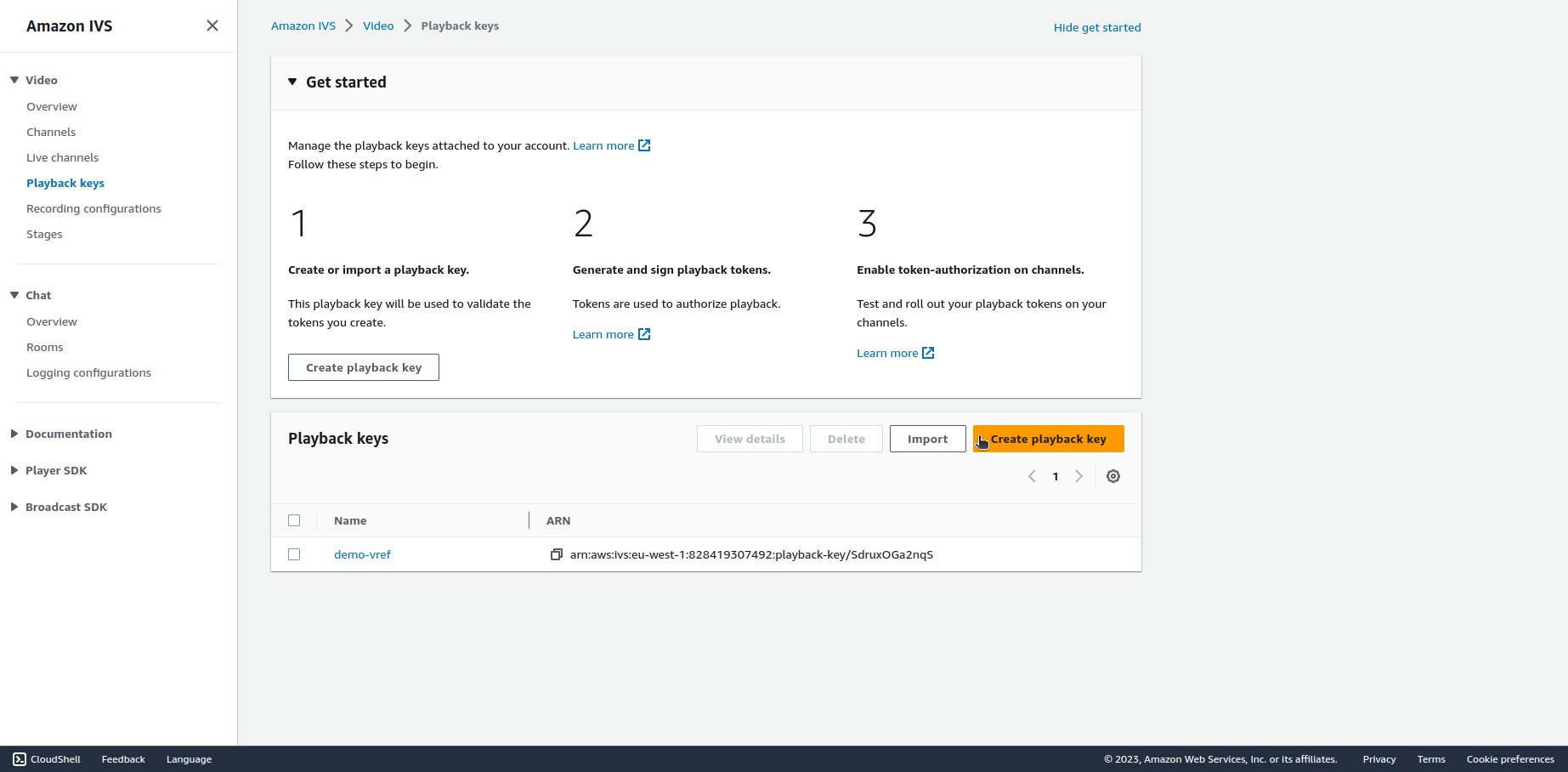
1. Sign in to the AWS console, navigate to ***IVS*** service, next go to ***Channels*** on the left pane, choose Your channel and click on ***Edit***.



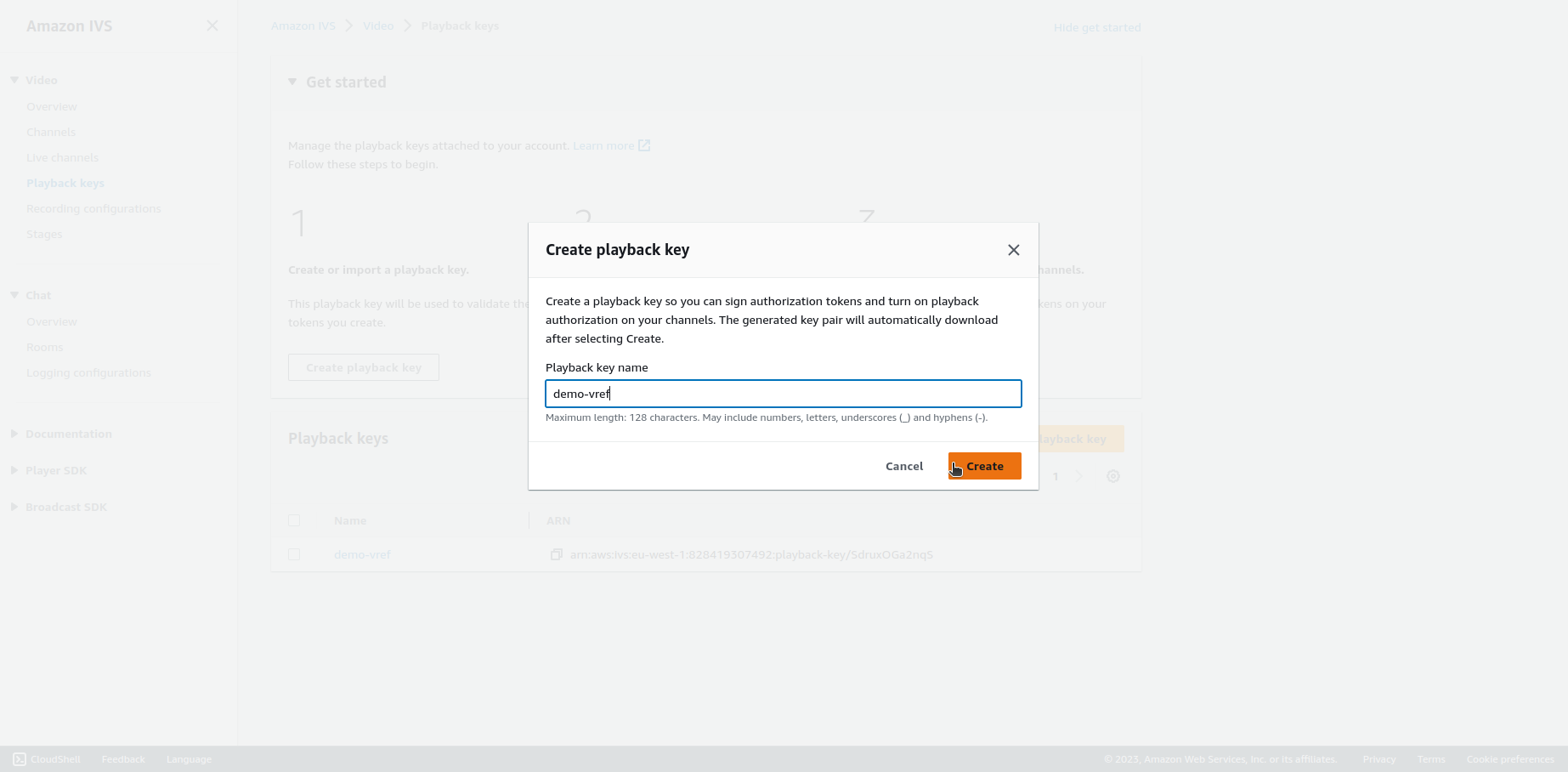
2. In the ***Setup*** section enable ***Playback authorization*** and click on ***Save changes*** at the bottom of the site.



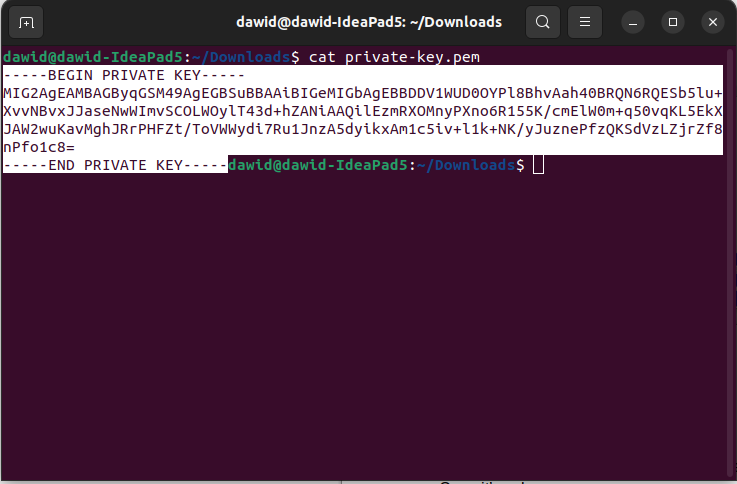
3. Next choose ***Playback keys*** on the left pane and click on ***Create playback key***.



4. Give Your key an unique name and click on ***Create***.



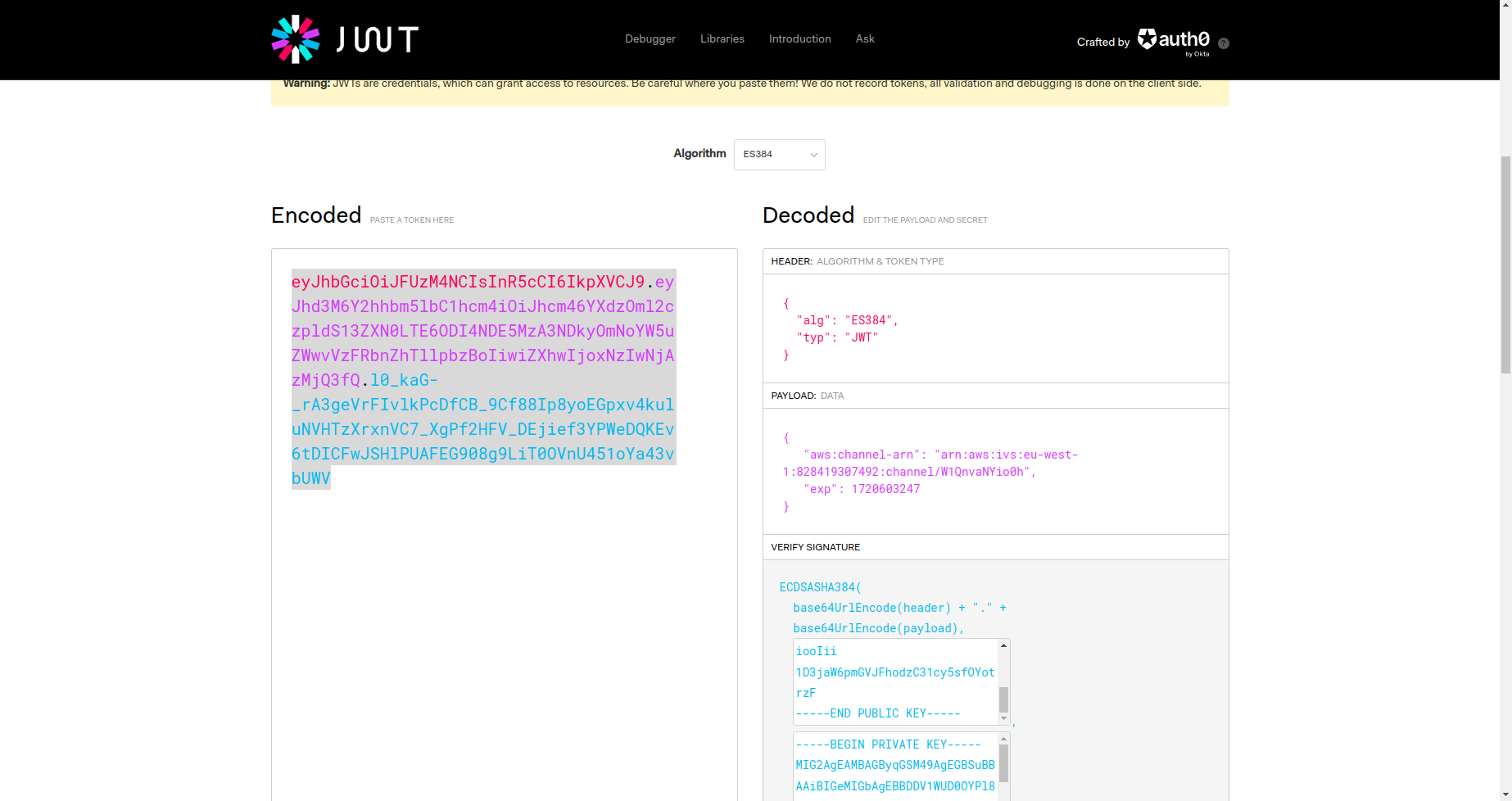
3. The ***private-key.pem*** file with private key will be downloaded on Your computer. Copy it’s value.



4. Go to [JWT website](https://jwt.io/), choose the ***ES384*** algorithm at the top, paste the private key value to the ***Private key*** field in the ***Verify signature*** section. Leave the public key as it is.

5.In the ***Payload*** section add ***"aws:channel-arn"*** field with Your IVS channel ARN as value, and ***"exp"*** field with Unix timestamp for token expiration date as value. You can create the timestamp on [this website](https://www.unixtimestamp.com/). Leave the ***Header*** section as it is.

6. Copy the signed token.



7. Append the signed token to Your channels playback URL as a query parameter:

https://b37c565f6d790a14a0e78afaa6808a80.us-west-2.playback.live-video.net/

api/video/v1/aws.ivs.us-west-2.123456789.

channel.fbc789c1-2c56-4ce6-a30a-d99275dc4481.m3u8**?token=***eyJhbGciOiJFUzM4NCIsInR5cCI6IkpXVCJ9.eyJhd3M6Y2hhbm5lbC1hcm4iOiJhcm46YXdzOml2czpldS13ZXN0LTE6ODI4NDE5MzA3NDkyOmNoYW5uZWwvVzFRbnZhTllpbzBoIiwiZXhwIjoxNzIwNjAzMjQ3fQ.l0\_kaG-\_rA3geVrFIvlkPcDfCB\_9Cf88Ip8yoEGpxv4kuluNVHTzXrxnVC7\_XgPf2HFV\_DEjief3YPWeDQKEv6tDICFwJSHlPUAFEG908g9LiT0OVnU451oYa43vbUWV*

Now Your channel will be only accesible through the playback URL with the appended signed token – without it the access will be blocked.

There are JWT libraries for different programming languages SDKs available on [this website](https://jwt.io/libraries). Most of them have functions to create Unix timestamp as well.