

## HOW TO CONFIGURE AWS CLI/TERRAFORM TO WORK WITH EPAM AWS ACCOUNT

<https://aws.amazon.com/premiumsupport/knowledge-center/authenticate-mfa-cli/>

Please note that **owner** tag for instances and volumes are mandatory.

### Assign MFA device

- Go to AWS web console
- Go to IAM service -> Users -> Find your account -> Security credentials tab -> Sign-in credentials -> Assigned MFA device -> Manage

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_mfa\\_enable\\_virtual.html#enable-virt-mfa-for-iam-user](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_mfa_enable_virtual.html#enable-virt-mfa-for-iam-user)

### Create Access keys

You will use those Access keys to generate access token

- Go to AWS web console
- Go to IAM service -> Users -> Find your account -> Security credentials tab -> Access keys -> Create access keys

### Get access token

- Export AWS region, Access key and Secret key to Environment variables. For example:

```
Export AWS_ACCESS_KEY_ID="AKIXXXXXX"
```

```
Export AWS_SECRET_ACCESS_KEY="XXXXXXXXXXXXXXXXXXXX"
```

```
Export AWS_DEFAULT_REGION="eu-central-1"
```

- Run the following AWS CLI command:

```
aws sts get-session-token --serial-number MFA_DEVICE_ARN --token-code MFA_CODE
```

For example:

```
aws sts get-session-token --serial-number  
arn:aws:iam::156001095759:mfa/egor_smirnov@epam.com --token-code 111222
```

You will get new access keys and session token:

```
"AccessKeyId": "ASIAYYYYYYYYYYYYYYYYYYYY",
"SecretAccessKey": "YYYYYYYYYYYYYYYYYYYYYYYY",
"SessionToken":
"YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY.....YYYYYY"
```

## Export new AWS Access key, Secret key and session token to Environment variables

For example:

```
Export AWS_ACCESS_KEY_ID=" ASIAYYYYYYYYYYYYYYYYYYY "
Export AWS_SECRET_ACCESS_KEY=" YYYYYYYYYYYYYYYYYYYYYYYY"
Export AWS_SESSION_TOKEN="
YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY.....YYYYYY "
```

## Verify

Run the following AWS CLI command to verify access:

```
aws s3 ls
```

You should see output like the following:

```
2021-06-15 17:30:29 bananbanan321bann
2021-07-21 18:31:10 cf-templates-11lr588aao0ct-eu-central-1
2021-05-12 18:08:40 config-bucket-156001095759-eu-central-1
2022-01-02 17:22:39 lisnvn-s3bucket-4r09e1
2021-12-19 12:29:52 tf-iashin-tfstate
2021-12-17 19:42:32 tf-stream-22-tfstate
```