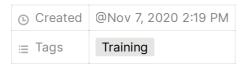
# **AWS CLI**



How-to set up a basic configuration for aws-cli to ease basic operations for training courses



### **Install AWSCLI**



#### Rule of thumb:

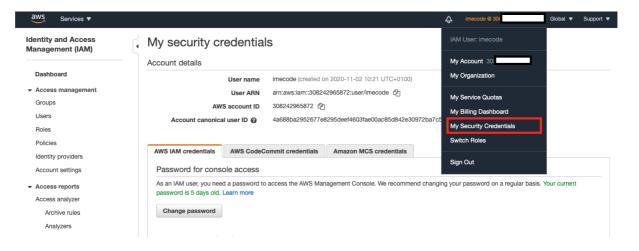
- · If you can install local software, install it locally
- · If you can't and have docker, go for docker



Trick for docker installations → Make an alias for the docker run command alias awsdocker=`docker run --rm -it -v ~/.aws:/root/.aws amazon/aws-cli`

# **Configure AWSCLI**

Log in the AWS console and go to "My Security Credentials" section and create a Acces Key. You can download the configuration as a CSV file (this file should be stored securely).



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AWSCLI works with profiles, to use different configurations, to avoid clashing with other configurations this manual will create a profile called sre

```
$ aws configure --profile sre
AWS Access Key ID [None]: # Access Key ID
AWS Secret Access Key [None] # Access Secret Key
Default region name [None]: eu-west-3
Default output format [None]: json
```

### **Handling Key Pairs**

We need a Key-Pair to access any EC2 instance. To create one

```
$ aws ec2 create-key-pair --profile sre --key-name sre-kp
{
    "KeyFingerprint": "62:65:83:13:d9:2b:bc:47:49:a9:dd:98:38:d5:bc:38:38:6a:9f:fc",
    "KeyMaterial": "----BEGIN RSA PRIVATE KEY-----\nMIIEow...vu/93cvy0lYG3g\n-----END RSA PRIVATE KEY-----",
    "KeyName": "sre",
    "KeyPairId": "key-00e5efc6ae267d763"
}

# To create directly a PEM file
$ aws ec2 create-key-pair --profile sre \
    --key-name sre-kp \
    --query "KeyMaterial" \
    --output text > sre-kp.pem

# Even a KeyPair has no cost, to delete it
$ aws ec2 delete-key-pair --profile sre --key-name sre-kp
```

## Launching EC2 instances

First we need to find the base image to launch, to find by name:

With that ID to launch an instance:

AWS CLI 2

### To delete an instance

```
$ aws ec2 terminate-instances --profile sre \
--instance-ids i-013b7622be52e823f
```

### To check if we have any instance running

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