Activity 1: Install and Configure the AWS CLI

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IFT562: Cloud Security & Operations for IT

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Figure 1

Console output from Steps 20-22


```
~/Desktop/Cloud SysOps — ec2-user@ip-10-200-0-60:~ — ssh -i labsuser.pem ec2-user@3.237.96.32

(base) spurthy@Spurthys-MBP Cloud SysOps % chmod 400 labsuser.pem
(base) spurthy@Spurthys-MBP Cloud SysOps % ssh -i labsuser.pem ec2-user@3.237.96.32

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-200-0-60 ~]$ python3 --version
Python 3.7.16
[ec2-user@ip-10-200-0-60 ~]$ sudo yum install -y unzip
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                      | 3.7 kB     00:00
Package unzip-6.0-57.amzn2.0.1.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-10-200-0-60 ~]$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 55.7M  100 55.7M    0     0   118M      0 --:--:-- --:--:-- --:--:--  119M
[ec2-user@ip-10-200-0-60 ~]$ unzip awscliv2.zip
Archive:  awscliv2.zip
   creating: aws/
   creating: aws/dist/
  inflating: aws/THIRD_PARTY_LICENSES
  inflating: aws/install
  inflating: aws/README.md
   creating: aws/dist/awscli/
   creating: aws/dist/cryptography/
   creating: aws/dist/docutils/
   creating: aws/dist/lib-dynload/
  inflating: aws/dist/aws
  inflating: aws/dist/aws_completer
  inflating: aws/dist/libpython3.11.so.1.0
  inflating: aws/dist/_awscrt.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/_cffi_backend.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/_ruamel_yaml.cpython-311-x86_64-linux-gnu.so
  inflating: aws/dist/libz.so.1
  inflating: aws/dist/liblzma.so.0
```

Figure 2

Screenshot of Step 22 and 23

```
  inflating: aws/dist/docutils/parsers/rst/include/xhtml1-lat1.txt
  inflating: aws/dist/docutils/parsers/rst/include/isomopf-wide.txt
  inflating: aws/dist/docutils/parsers/rst/include/s5defs.txt
  inflating: aws/dist/docutils/parsers/rst/include/isogrk2.txt
  inflating: aws/dist/docutils/parsers/rst/include/xhtml1-symbol.txt
  inflating: aws/dist/docutils/parsers/rst/include/isomfrk-wide.txt
  inflating: aws/dist/docutils/parsers/rst/include/isotech.txt
  inflating: aws/dist/docutils/parsers/rst/include/isogrk1.txt
  inflating: aws/dist/docutils/parsers/rst/include/isolat1.txt
  inflating: aws/dist/docutils/parsers/rst/include/isodia.txt
  inflating: aws/dist/docutils/parsers/rst/include/mmlextra-wide.txt
  inflating: aws/dist/docutils/parsers/rst/include/isogrk4-wide.txt
[[ec2-user@ip-10-200-0-60 ~]$ sudo ./aws/install
 You can now run: /usr/local/bin/aws --version
 [ec2-user@ip-10-200-0-60 ~]$ aws help
[[ec2-user@ip-10-200-0-60 ~]$ aws help
 [ec2-user@ip-10-200-0-60 ~]$ Spurthy Mutturaj 3.237.96.32
```

Note. Step 20-23 could not be capture in one screenshot.
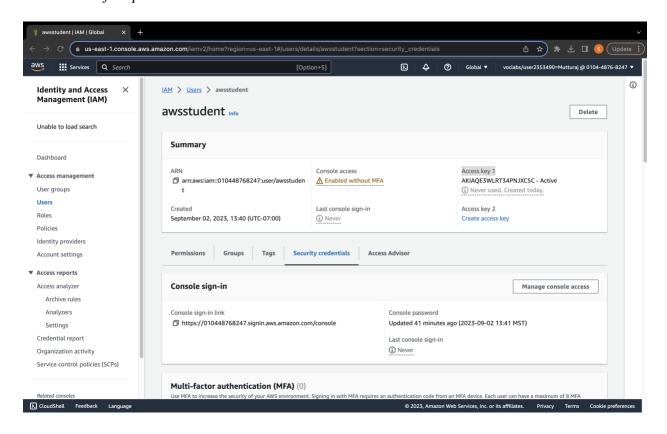
Figure 3

Screenshot of Step 28

Figure 4

Screenshot of Step 31

```
[Default output format [None]: json
[ec2-user@ip-10-200-0-60 ~]$ aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "awsstudent",
            "UserId": "AIDAQE3WLRT35NUHF2NC3",
            "Arn": "arn:aws:iam::010448768247:user/awsstudent",
            "CreateDate": "2023-09-02T20:40:28+00:00"
        }
    ]
}
[ec2-user@ip-10-200-0-60 ~]$
```

Figure 5

Screenshot of console output from the vi lab_policy