

Multicloud Project Based Internship at IOC

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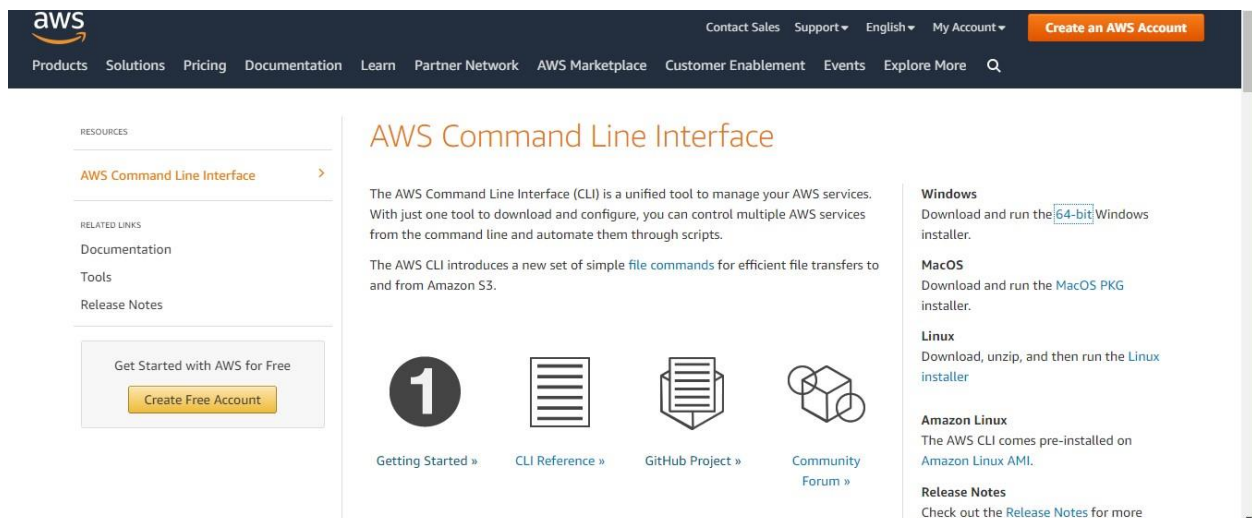
College Name: Deogiri Institute of Engineering and Management Studies.

TASK

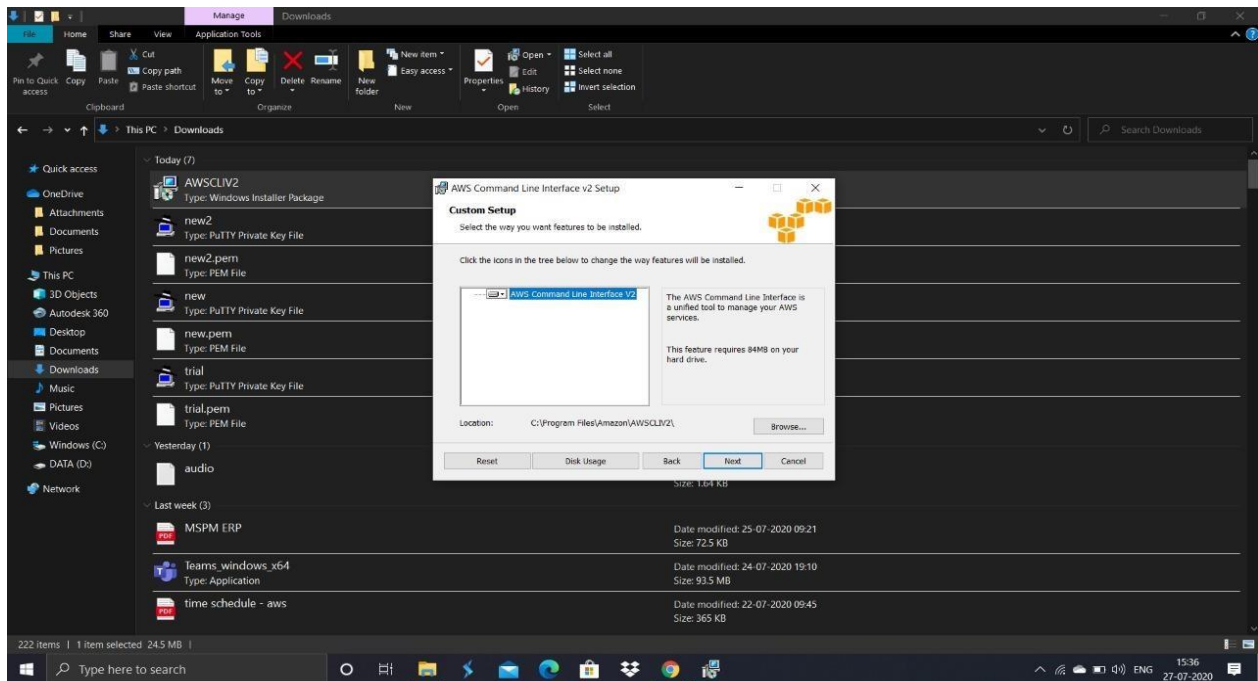
Access your AWS account from linux terminal or windows command prompt / power shell and perform following task. launch one instance with one free tier AMI on a free tier instance type and take its remote access (ssh/remote access).

The AWS Command Line Interface (AWS CLI) is an open source tool that enables you to interact with AWS services using commands in your command-line shell.

Firstly open your AWS Command Line Interface then download which you want to operating system click on.



Continue Installing process just click next then finally will be click finish .



You can check your installing are properly or not ,as open your command prompt and run as administrator then follow the command

```
Administrator: Command Prompt

Microsoft Windows [Version 10.0.18363.959]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>aws --version
aws-cli/1.18.109 Python/3.6.0 Windows/10 botocore/1.17.32

C:\WINDOWS\system32>
```

Sucessfully completed your Installation.

```
ec2-user@ip-172-31-49-168-
{"State": {
  "Code": 0,
  "Name": "pending"
},
"StateTransitionReason": "",
"SubnetId": "subnet-1a7a9d2f",
"VpcId": "vpc-31a4b2c",
"Architecture": "x86_64",
"BlockDeviceMappings": [],
"ClientToken": "d4ca318-cadd-4af5-8203-1e1c687b0157",
"EnisOptimized": false,
"Hypervisor": "xen",
"NetworkInterfaces": [
  {
    "Attachment": {
      "AttachTime": "2020-07-28T18:56:23+00:00",
      "AttachmentId": "eni-attach-04aaf3d3d41b7b5d",
      "DeleteOnTermination": true,
      "DeviceIndex": 0,
      "Status": "attaching"
    },
    "Description": "",
    "Groups": [
      {
        "GroupName": "awscli",
        "GroupId": "sg-0e85cebb0b474412ad"
      }
    ],
    "Ipv4Addresses": [],
    "MacAddress": "08:c9:f5:5d:89:15",
    "NetworkInterfaceId": "eni-8ad29b8c97ec4248",
    "OwnerId": "859778390670"
  }
]
}

PS C:\Users\VAANKSWA> aws ec2 describe-instances --query "Reservations[*].Instances[*]" --output table
-----
DescribeInstances
-----
| 0[1m] 34m1-09b33864c692a82f[0m | 0[1m] 34m2-micro[0m | 0[1m] 34mfirst[0m | 0[1m] 34mrunning[0m | 0[1m] 34mone[0m |
| 0[1m] 34m1-0e0ba18f52544f9a0[0m | 0[1m] 34m2-micro[0m | 0[1m] 34msecond[0m | 0[1m] 34mterminated[0m | 0[1m] 34mone[0m |
-----

PS C:\Users\VAANKSWA> ssh -i "first.pem" ec2-user@ec2-54-166-129-119.compute-1.amazonaws.com
The authenticity of host 'ec2-54-166-129-119.compute-1.amazonaws.com (54.166.129.119)' can't be established.
ECDSA key fingerprint is SHA256:77fMS1Q45m0tXjM1d1wJk80v8K1ZVkiPGWbWv.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ec2-54-166-129-119.compute-1.amazonaws.com,54.166.129.119' (ECDSA) to the list of known hosts.

  ____  _
 / ___|| | | |
| |___| | | |
 \___||_| |_|

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
14 package(s) needed for security, out of 31 available
Run 'sudo yum update' to apply all updates.
[ec2-user@ip-172-31-49-168 ~]$
```

```
Windows PowerShell
PS C:\Users\VAANKSWA> aws ec2 create-key-pair --key-name first --query "KeyMaterial" --output text | out-file -encoding ascii -filepath first.pem
PS C:\Users\VAANKSWA> aws ec2 describe-key-pairs
{
  "KeyPairs": [
    {
      "KeyPairId": "key-0a616fa19fac25ab",
      "KeyFingerprint": "06:0a:3b:e4:92:bd:ff:31:67:c5:e5:0b:f9:d4:7f:2f:59:cb:fe",
      "KeyName": "first",
      "Tags": []
    }
  ]
}

PS C:\Users\VAANKSWA> aws ec2 create-security-group --group-name awscli --description "allow all tcp protocols" --output table
-----
CreateSecurityGroup
-----
| 0[1m] 34m2micro[0m | 0[1m] 34m2-micro[0m | 0[1m] 34m2-micro[0m | 0[1m] 34m2-micro[0m |
-----

PS C:\Users\VAANKSWA> aws ec2 authorize-security-group-ingress --group-name awscli --protocol tcp --port 0-65535 --cidr 0.0.0.0/0
PS C:\Users\VAANKSWA> aws ec2 run-instances --image-id ami-08f3692de25590d4 --count 1 --instance-type t2.micro --key-name first --security-groups awscli
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-08f3692de25590d4",
      "InstanceId": "i-09b33864c692a82f",
      "InstanceType": "t2.micro",
      "KeyName": "first",
      "LaunchTime": "2020-07-28T18:56:23+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "us-east-1a",
        "GroupName": "",
        "Tenancy": "default"
      },
      "PrivateDnsName": "ip-172-31-49-168.ec2.internal",
      "PrivateIpAddress": "172.31.49.168",
      "ProductCodes": [],
      "PublicDnsName": "",
      "State": {
        "Code": 0,
        "Name": "pending"
      },
      "StateTransitionReason": "",
      "SubnetId": "subnet-1a7a9d2f",
      "VpcId": "vpc-31a4b2c",
      "Architecture": "x86_64",
      "BlockDeviceMappings": [],
      "ClientToken": "d4ca318-cadd-4af5-8203-1e1c687b0157",
      "EnisOptimized": false,

```

As shown you and follow these command lines.